

ACCESSORIES



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SENSORS

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SENSORS

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Banner Bracket Selection Chart

SENSORS

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SENSORS

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Banner Bracket Selection Chart

VISION								
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PresencePLUS® P4 page 354		SMBP4RAB page xxx	SMBP4RAS page xxx	SMBP4SRAF page xxx				
Ring Lights page 366		SMBPMPRHI page xxx	SMBPPRHI page xxx					
Area Lights page 378		SMBABM page xxx	SMBACM page xxx	SMBAMS70A page xxx	SMBAMS70AS page xxx	SMBASCM page xx	SMBP42ASM page xxx	SMBP4ASM page xx
		SMBAMS30PL52	SMBVLA62X62RA page xxx					
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Linear Array Backlights page 371		SMBLAXRA page xxx	SMBLAXU page xxx					
Linear Array page 372		SMBLASRA page xxx	SMBLAXRA page xxx	SMBLAXU page xxx				
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Banner Bracket Selection Chart

LIGHTING & INDICATORS

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		SMB30S	SMB30SM					
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		SMBAMS30PL52R	SMBAMS30PL52	SMBAMS30RA page 873	SMBAMS30RLJ page 887	SMBAMS30RLS page 888	SMB30C	SA-K50A18 page 888
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K30 Housing page 434		SMB22A	SMBAMS22RA	SMBAMS22P	SMB22FVK	SMB30RAVK		
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Banner Bracket Selection Chart

LIGHTING & INDICATORS

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		SMBAMS30RA page 873	SMBAMS30RLJ page 887	SMBAMS30RLS page 888	SMBAMS30PL52	SMBAMS30PL52R	K50-SA-K50	SMB30C
		SMB30S	SMB30SM	SMBFVR				
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		SMBPVA9 page 890	SMBPVA..A page 889	SMBPVA..AB page 889				
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Banner Bracket Selection Chart

SAFETY

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EZ-SCREEN® LP 14 & 25 mm Resolution page 564		LPA-MBK-11 page 894	LPA-MBK-12 page 894	LPA-MBK-20 page 894	LPA-MBK-135 page 894	LPA-MBK-180 page 895	LPA-MBK-PXXX page 896	LPA-MBK-21 page 894
EZ-SCREEN® Grid page 572		EZA-MBK-1 page 892	EZA-MBK-2 page 892	EZA-MBK-3 page 893	EZA-MBK-9 page 894			
EZ-SCREEN® Point page 573		EZA-MBK-1 page 892	EZA-MBK-2 page 892	EZA-MBK-3 page 893	EZA-MBK-4 page 893	EZA-MBK-5 page 893	EZA-MBK-9 page 894	
EZ-SCREEN® Type 2 30 mm Resolution page 578		USCMB-.. page 897	USMB-1 page 897	USMB-6 page 898	USMB-8 page 898			
AG4 page 693		AG4-MBK1 page 896						
XS26-2 page 588		DIN-35-.. page 860						
SC22-3 page 592		DIN-35-.. page 860						
Safety Modules page xxx		DIN-35-.. page 860						
DUO-TOUCH® SG Run Bars page xxx		STBA-RB1-MB1 page 897	STBA-RB1-MB2 page 897	STBA-RB1-MB3 page 897	STBA-RB2-MB1 page 897	STBA-RB2-MB2 page 897	STBA-RB2-MB3 page 897	
30 mm Mount E-Stops page xxx		SSA-MBK-EEC1 page 896	SSA-MBK-EEC2 page 896	SSA-MBK-EEC3 page 896				
ED1G Enabling Devices page 636		ED9Z-GH1 page 898						

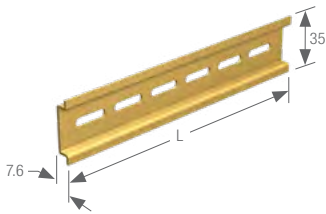
ACCESSORIES

BRACKETS

CORDSETS

RETROREFLECTORS

DIN-35... (All measurements in mm)



Hole center spacing: 35.1
Hole size: 25.4 x 5.3

Model	Length (L)
DIN-35-70	70
DIN-35-105	105
DIN-35-140	140

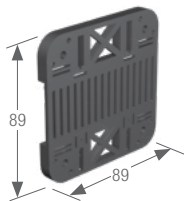
- Available in 70, 105 & 140 mm lengths

Used with:

DF-G1 R55F
D10 MINI-ARRAY Controller
D12 High-Res MINI-ARRAY Controller

SC22-3 Controllers
Two-Hand Control Modules
Safety Modules

SMBDX80DIN (All measurements in mm)

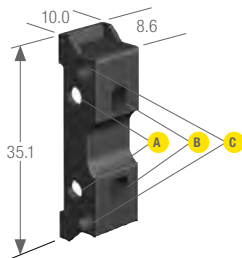


- Black reinforced thermoplastic
- Bracket for mounting on 35 mm DIN rail

Used with:

K80 EZ-LIGHT SP150 DX81
EZ-LIGHT K80L DX80 DX91
EZ-LIGHT K80CLR DX85 DX90

SA-DIN-BRACKET* (All measurements in mm)



Hole center spacing:
A = 16, B = 25.4, C = 15.2
Hole size:
A = $\varnothing$ 3.2, B = $\varnothing$ 3.3, C = $\varnothing$ 4.4

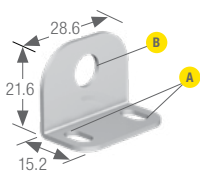
- Plastic bracket with mounting screws

* SA-DIN-BRACKET-10
(Kit of 10 brackets and mounting screws)

Used with:

DF-G1
D10

SMBF (All measurements in mm)



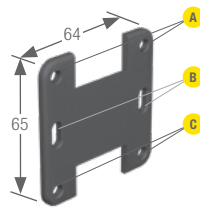
Hole center spacing:
A = 19.1
Hole size:
A = 8 x 4.6, B = $\varnothing$ 8.3

- Right-angle bracket for glass fiber optic with 5/16" 24 threaded tip
- 18-ga. stainless steel

Used with:

Glass fiber with 5/16" - 24 threaded tip

SMBR55F01 (All measurements in mm)



Hole center spacing:
A, B, C = 50.8, A to B,
B to C = 25.3

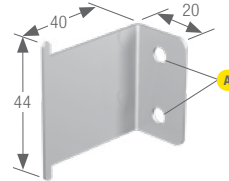
Hole size:
A, C = $\varnothing$ 5.6, B = 11 x 5

- Flat-mounting bracket
- Eliminates need for DIN rail
- Molded PBT polyester
- Black reinforced thermoplastic polyester

Used with:

R55F D10
DF-G1 D12

SMBR55FRA (All measurements in mm)



Hole center spacing:
A = 20

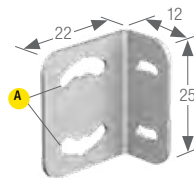
Hole size:
A = $\varnothing$ 5.4

- Side-mounting bracket
- Eliminates need for DIN rail
- 19-ga. stainless steel

Used with:

R55F D10
DF-G1 D12

SMBVS1S (All measurements in mm)



Hole center spacing:
A = 16.8

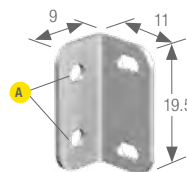
Hole size:
A = 3.5 x 12.3

- Short right-angle bracket
- 18-ga. stainless steel

Used with:

VS1

SMBVS1SC (All measurements in mm)



Hole center spacing:
A = 10.0

Hole size:
A = $\varnothing$ 2.8

- Short right-angle bracket
- 18-ga. stainless steel

Used with:

VS1

SMBVS1T (All measurements in mm)



Hole center spacing:

A = 16.8

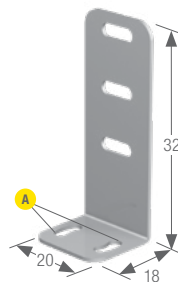
Hole size:

A = 3.5 x 12.3

- Tall right-angle bracket
- Stainless steel

Used with:
VS1

SMBVS3T (All measurements in mm)



Hole center spacing:

A = 13.5

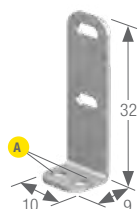
Hole size:

A = 3.2 x 7.7

- Tall right-angle bracket
- 300 stainless steel

Used with:
VS3

SMBVS1TC (All measurements in mm)



Hole center spacing:

A = 5.5

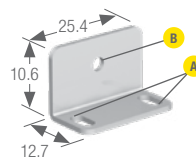
Hole size:

A = Ø 2.8

- Tall right-angle compact bracket
- 300 stainless steel

Used with:
VS1

SMBFP3 (All measurements in mm)



Hole center spacing:

A = 19.1

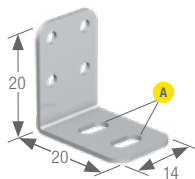
Hole size:

A = 6.5 x 3.6, **B** = Ø 3.2

- Right-angle bracket for glass fiber optic with 3 mm threaded tip
- 18-ga. stainless steel

Used with:
Plastic fiber with M3 tip

SMBVS2RA (All measurements in mm)



Hole center spacing:

A = 80

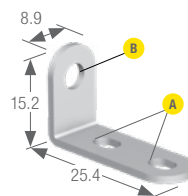
Hole size:

A = 3.2 x 6

- Right-angle bracket
- Stainless steel

Used with:
VS2

SMBFP4N (All measurements in mm)



Hole center spacing:

A = 12

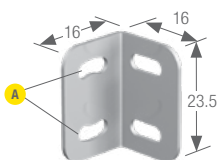
Hole size:

A = 4.8 x 5, **B** = Ø 4.2

- Low-profile right-angle bracket for plastic fiber optics with 4 mm threaded tip
- 18-ga. stainless steel

Used with:
Plastic fiber with M4 tip

SMBVS3S (All measurements in mm)



Hole center spacing:

A = 13.5

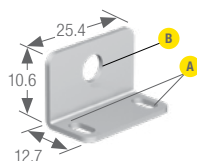
Hole size:

A = 3.2 x 7.7

- Right-angle bracket
- 300 stainless steel

Used with:
VS3

SMBFP6 (All measurements in mm)



Hole center spacing:

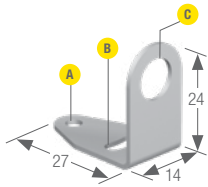
A = 19.1

Hole size:

A = 6.5 x 3.6, **B** = Ø 6.2

- Right-angle bracket for plastic fiber optics with 6 mm threaded tip
- 18-ga. stainless steel

Used with:
Plastic fiber with M6 tip

SMB8MM (All measurements in mm)

Hole center spacing:

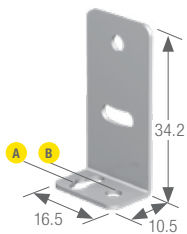
A to B = 14

Hole size:

A = $\varnothing$ 3.5, B = 8.3 x 3.5, C = $\varnothing$ 8.4

- Right-angle bracket
- 300 series stainless steel

Used with:
T8
EZ-LIGHT T8L2
Glass fiber with 5/116" - 24 threaded tip

SMBQ12A (All measurements in mm)

Hole center spacing:

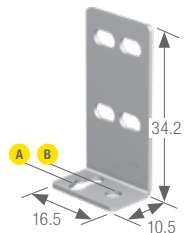
A to B = 7.6

Hole size:

A = 3.5 x 8.1, B = $\varnothing$ 3.2

- Adjustable right-angle bracket
- 20-ga. 300 series stainless steel

Used with:
Q12

SMBQ12T (All measurements in mm)

Hole center spacing:

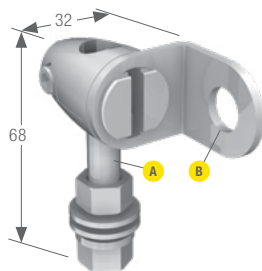
A to B = 7.6

Hole size:

A = 3.5 x 8.1, B = $\varnothing$ 3.2

- Right-angle bracket
- 20-ga. 300 series stainless steel

Used with:
Q12

SMB12FA.. (All measurements in mm)

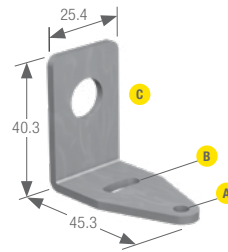
Hole size:

B = $\varnothing$ 12.1

Model	Bolt Thread (A)
SMB12FA	3/8 - 16 x 2"
SMB12FAM10	M10 - 1.5 x 50

- Swivel bracket with tilt and pan movement for precision adjustment
- Easy sensor mounting to extruded rail T-slots
- Metric and inch size bolts available
- 12 mm sensor mounting hole

Used with:
M12
S12

SMB12MM (All measurements in mm)

Hole center spacing:

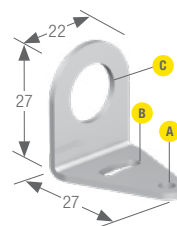
A to B = 26

Hole size:

A = $\varnothing$ 4.6, B = 12.8 x 4.6, C = $\varnothing$ 12.3

- $\pm 10^\circ$ of lateral movement
- 12-ga. stainless steel
- Mounting holes for M4 (#6) hardware
- 12 mm sensor mounting hole

Used with:
M12
S12

SMBQS12PD (All measurements in mm)

Hole center spacing:

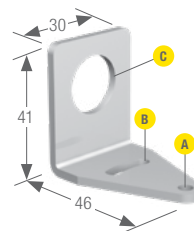
A to B = 14

Hole size:

A = $\varnothing$ 3.5, B = 3.5 x 10.6, C = $\varnothing$ 13

- Right-angle, nose-mount bracket
- 16-ga. 300 series stainless steel

Used with:
M12
S12

SMB18A (All measurements in mm)

Hole center spacing:

A to B = 24.2

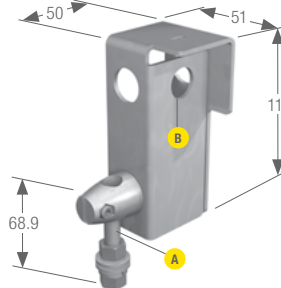
Hole size:

A = $\varnothing$ 4.6, B = 17 x 4.6, C = $\varnothing$ 18.5

- Right-angle mounting bracket with a curved slot for versatile orientation
- 12-ga. stainless steel, 18 mm sensor mounting hole
- Clearance for M4 (#8) hardware

Used with: M18 TM18 T18U
QS18 S18 S18U Q25
T18 QS18U

MINI-BEAM EZ-LIGHT T18
Q45UR M18C2 EZ-LIGHT M18
Q45UR S18C2

SMB18ATFA.. (All measurements in mm)

Hole size:

B = $\varnothing$ 18.1

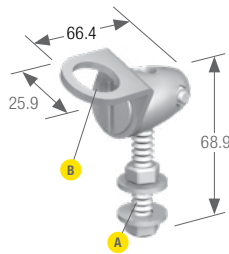
Model	Bolt Thread (A)
SMB18ATFA	3/8 - 16 x 2"
SMB18ATFAM10	M10 - 1.5 x 50

- Protective, swivel bracket with tilt and pan movement for precision adjustment
- Easy sensor mounting to extruded rail T-slots
- Metric and inch size bolts available
- Mounting hole for 18 mm sensors

Used with:
TM18
T18

QS18 (AC/DC models)

SMB18FA.. (All measurements in mm)



Hole size:

B = $\varnothing$ 18

Model	Bolt Thread (A)
SMB18FA	3/8 - 16 x 2"
SMB18FAM10	M10 - 1.5 x 50

- Swivel bracket with tilt and pan movement for precision adjustment
- Easy sensor mounting to extruded rail T-slots
- Metric and inch size bolts available
- 18 mm sensor mounting hole

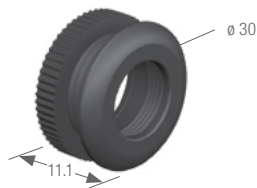
Used with:
QS18
S18U

TM18
QS18U
T18U

MINI-BEAM
S18/M18/T18
Q45UR M18C2

Q45UR S18C2
EZ-LIGHT M18
EZ-LIGHT T18

SMB18FM (All measurements in mm)



Hole center spacing:

Hole size:

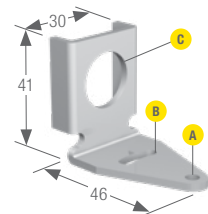
- Two-piece thermoplastic through-mount bracket
- Mounting nut (M22 x 1.5) and outer flange (M22 x 1.5 external, M18 x 1 internal)

Used with:
QS18
M18

S18
T18
TM18

S18-2
S18U
QS18U

SMB18Q (All measurements in mm)



Hole center spacing:

A to **B** = 24.2

Hole size:

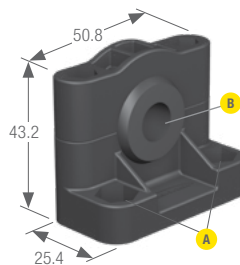
A = $\varnothing$ 4.6, **B** = 17 x 4.6, **C** = $\varnothing$ 19

- Right-angle flanged bracket
- 18 mm sensor mounting hole
- 12-ga. stainless steel

Used with: S18 S18U QS18U
QS18 M18 TM18
T18 T18U

MINI-BEAM Q45UR M18C2
Q45UR S18C2 EZ-LIGHT T18
Q45UR M18C2 EZ-LIGHT M18

SMB1812SF (All measurements in mm)



Hole center spacing:

A = 36.1

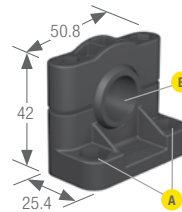
Hole size:

A = $\varnothing$ 5, **B** = $\varnothing$ 12

- Swivel bracket with 12 mm mounting hole
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included

Used with:
M12
S12

SMB18SF (All measurements in mm)



Hole center spacing:

A = 36

Hole size:

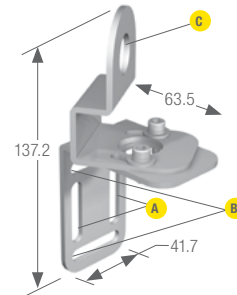
A = $\varnothing$ 5.3, **B** = $\varnothing$ 18

- 18 mm swivel bracket with M18 x 1 internal thread
- Black thermoplastic polyester
- Stainless steel swivel locking hardware included

Used with: S18 S18U Q25
QS18 M18 T18
T18U

EZ-LIGHT T18 Q45UR S18C2
EZ-LIGHT M18 Q45UR M18C2
MINI-BEAM

SMB18UR (All measurements in mm)



Hole center spacing:

A = 25.4, **B** = 46.7

Hole size:

A, **B** = 6.9 x 32, **C** = $\varnothing$ 18.3

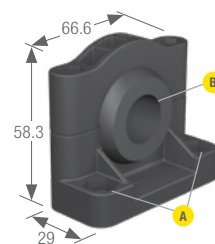
- 2-piece universal swivel bracket
- 300 series stainless steel
- Stainless steel swivel locking hardware included
- Mounting hole for 18 mm sensor

Used with: T18 T18U
QS18* TM18 Q25
S18 S18U EZ-LIGHT T18
M18 QS18U* EZ-LIGHT M18

Q45UR S18C2 Q45UR M18C2

* Contact factory to verify compatibility with integral QD models.

SMB3018SC (All measurements in mm)



Hole center spacing:

A = 50.8

Hole size:

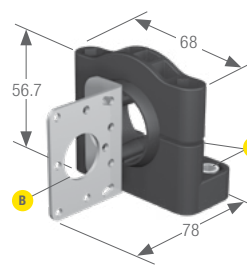
A = $\varnothing$ 7, **B** = $\varnothing$ 18

- 18 mm swivel side or barrel-mount bracket
- Black reinforced thermoplastic polyester
- Stainless steel swivel locking hardware included

Used with: T18U Q25
QS18 S18U S18/M18/T18
QS18U

M18/S18/T18 EZ-LIGHT T18
Q45UR S18C2 MINI-BEAM
Q45UR M18C2 QM42/QMT42

SMB30SK (All measurements in mm)



Hole center spacing:

A = 50.8

Hole size:

A = $\varnothing$ 7, **B** = $\varnothing$ 18

- Flat-mount swivel bracket with extended range of motion
- Black reinforced thermoplastic polyester and 316 stainless steel
- Stainless steel swivel locking hardware included

Used with: T18U Q25
QS18 S18U MINI-BEAM
QS18U

QM42/QMT42 EZ-LIGHT T18
S18/M18/T18 EZ-LIGHT M18
Q45UR S18C2 Q45UR M18C2

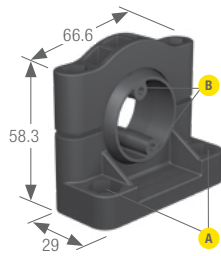
ACCESSORIES

BRACKETS

CORDSETS

RETROREFLECTORS

SMB30SUS (All measurements in mm)



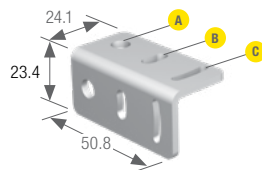
Hole center spacing:
A = 50.8, **B** = 24.1
 Hole size:
A = $\varnothing$ 7, **B** = $\varnothing$ 7.6

- Side-mount swivel bracket with extended range of motion
- Black reinforced thermoplastic polyester
- Stainless steel swivel locking hardware included

Used with:
 QS18

MINI-BEAM
 QM42/QMT42
 QS18U

SMB312B (All measurements in mm)

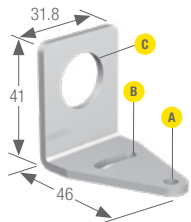


Hole center spacing:
A to **B** = 17.3, **B** to **C** = 17.7, **A** to **C** = 35
 Hole size:
A = $\varnothing$ 6.9, **B** = 4.3 x 10.5, **C** = 3.1 x 15.2

- Right-angle
- Stainless steel base mounting bracket
- Includes mounting foot

Used with:
 MINI-BEAM

SMB312PD (All measurements in mm)



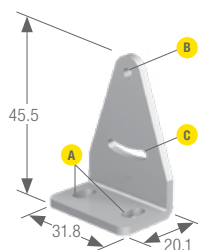
Hole center spacing:
A = 20.3, **B** to **C** = 5.1
 Hole size:
A = 4.3 x 7.5, **B** = $\varnothing$ 3, **C** = 3 x 15.3

- Right-angle mounting bracket with a curved slot for versatile orientation
 - 12-ga. stainless steel, 18 mm sensor mounting hole
 - Clearance for M4 (#8) hardware
- NOTE: Not for use with plastic fiber optic sensors

Used with: S18 TM18 T18U
 QS18 M18 S18U Q25
 T18 QS18U

EZ-LIGHT T18 Q45UR
 EZ-LIGHT M18 S18C2
 MINI-BEAM Q45UR
 M18C2

SMB312S (All measurements in mm)



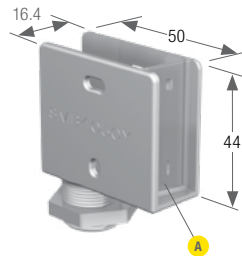
Hole center spacing:
A = 20.3, **B** to **C** = 5.1
 Hole size:
A = 4.3 x 7.5, **B** = $\varnothing$ 3, **C** = 3 x 15.3

- Stainless steel 2-axis side-mounting bracket

Used with:
 QS18

MINI-BEAM
 QS18U

SMB4050YL (All measurements in mm)

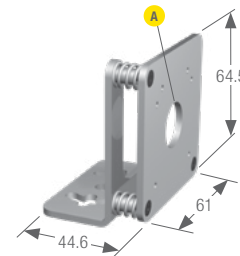


Hole center spacing:
 Hole size:
A = $\varnothing$ 15.3

- Heavy-duty die-cast bracket for industrial protection
- Replaceable window for use with some sensor models
- M18 vertical mounting option
- Nut and lock washer included

Used with:
 QS18 DC Models (except AF)

SMB46A (All measurements in mm)

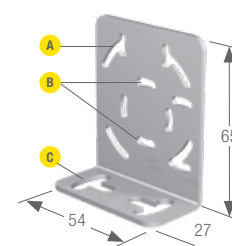


Hole center spacing:
 Hole size:
A = $\varnothing$ 18.3

- Stainless steel
- Adjustable mounting

Used with:
 QS18
 S18
 PICODOT

SMB46L (All measurements in mm)



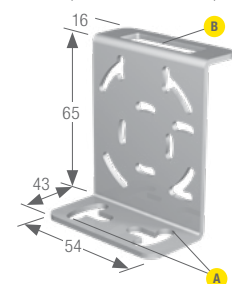
Hole center spacing:
A = 45.42
B = 24.1
 Hole size:
A = 3X $\varnothing$ 3.5
B = 8X $\varnothing$ 3.5
C = $\varnothing$ 6.5

- 14-ga. 316 stainless steel

Used with:
 QS18
 S18
 QS30

QM42/QM42T
 MINI-BEAM
 PICODOT

SMB46S (All measurements in mm)



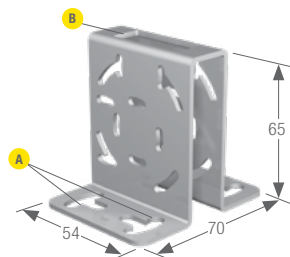
Hole center spacing:
A = 16
 Hole size:
A = 16.5 x 18.7,
B = 34 x 10

- Right-angle
- S bracket
- 14-ga. 316 stainless steel

Used with:
 QS18
 MINI-BEAM
 QS30

PicoDot
 QM42/QMT42
 QS18U

SMB46U (All measurements in mm)

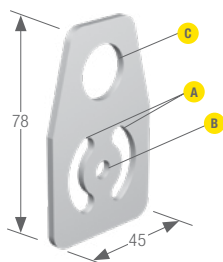


- Hole center spacing:
A = 16
 Hole size:
A = 16.5 x 18.7, **B** = 34 x 13
- Right-angle
 - U bracket for sensor protection
 - 14-ga. 316 stainless steel

Used with:
 QS18
 MINI-BEAM

PicoDot
 QM42/QMT42
 QS18U

SMBAMS18P (All measurements in mm)



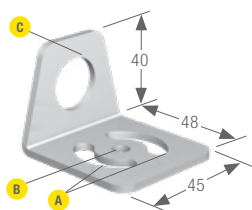
- Hole center spacing:
A = 26, **A** to **B** = 13
 Hole size:
A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 19
- Flat SMBAMS series bracket with 18 mm hole for mounting sensors
 - Articulation slots for 90+° rotation
 - 12-ga. (2.6 mm) cold-rolled steel

Used with:
 QS18
 S18
 M18

T18
 TM18
 S18U
 T18U

Q45UR S18C2
 Q45UR M18C2
 QS18U
 EZ-LIGHT T18
 EZ-LIGHT M18

SMBAMS18RA (All measurements in mm)



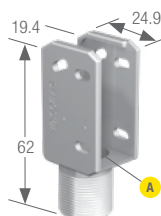
- Hole center spacing:
A = 26, **A** to **B** = 13
 Hole size:
A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 19
- Right-angle SMBAMS series bracket with 18 mm hole for mounting sensors
 - Articulation slots for 90+° rotation
 - 12-ga. (2.6 mm) cold-rolled steel

Used with:
 QS18
 S18
 M18

T18
 TM18
 S18U
 T18U

MINI-BEAM
 Q45UR S18C2
 Q45UR M18C2
 EZ-LIGHT T18
 EZ-LIGHT M18
 QS18U

SMBQS18A (All measurements in mm)

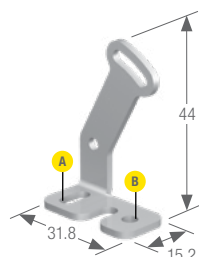


- Hole size:
A = $\varnothing$ 15.3
- Wrap-around protection bracket
 - Base fits 18 mm threaded hole
 - Metal hex nut, lock washer and grommet included
 - Mounting holes specially designed for QS18AF sensors

Used with:
 QS18 (DC only)
 QS18U

QS18AF

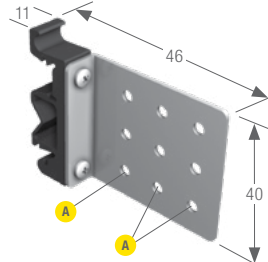
SMBQS18AF (All measurements in mm)



- Hole center spacing:
A to **B** = 20.3
 Hole size:
A = 4.3 x 9.4, **B** = $\varnothing$ 4.3
- Right-angle mounting bracket
 - 14-ga. 304 stainless steel

Used with:
 QS18AF (Only)

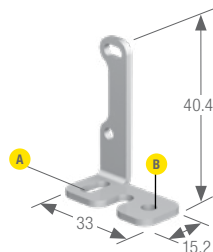
SMBQS18DIN (All measurements in mm)



- Hole center spacing:
A = 12.1
 Hole size:
A = 9x $\varnothing$ 3.5
- Right-angle bracket assembly for mounting on 35 mm DIN rail
 - 300 series stainless steel and glass filled nylon; zinc-plated screws

Used with:
 QS18 (shown with DIN-35..)

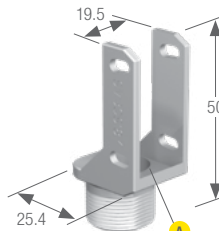
SMBQS18RA (All measurements in mm)



- Hole center spacing:
A to **B** = 20.3
 Hole size:
A = 4.3 x 9.4, **B** = $\varnothing$ 4.3
- Right-angle mounting bracket
 - 14-ga. 304 stainless steel

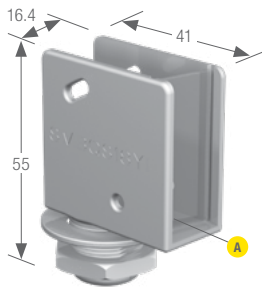
Used with:
 QS18 (except QS18AF)
 QS18U

SMBQS18Y (All measurements in mm)



- Hole size:
A = $\varnothing$ 15.3
- Die-cast bracket for 18 mm holes
 - Includes metal hex nut and lock washer
 - Allows $\pm$ 8° for cabled sensors

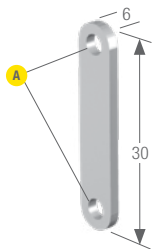
Used with:
 QS18 (DC only)
 QS18U

SMBQS18YL (All measurements in mm)

Hole size:
A = $\varnothing$ 15.3

- Heavy-duty die-cast bracket for industrial protection
- Replaceable window
- M18 vertical mount-option
- Nut and lock washer included

Used with:
 QS18AF
 (Class 2 Laser Only)

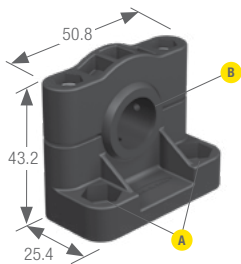
SMH241F (All measurements in mm)

Hole center spacing:
A = 24
 Hole size:
A = $\varnothing$ 2.5

- Nut strap replaces two M3 mounting nuts and washers
- 16-ga. stainless steel

Used with:
 QS18
 MINI-BEAM

QM42/QMT42
 QS18U

SMB1815SF (All measurements in mm)

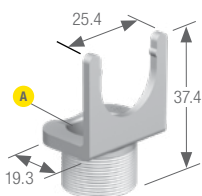
Hole center spacing:
A = 36
 Hole size:
A = $\varnothing$ 5, **B** = $\varnothing$ 15

- Swivel with set screws for mounting sensors by the cable hub
- Black reinforced thermoplastic polyester
- Stainless steel swivel locking hardware and hex wrench included

Used with:
 T18
 T18U

T30
 T30U

EZ-LIGHT T18
 EZ-LIGHT T30

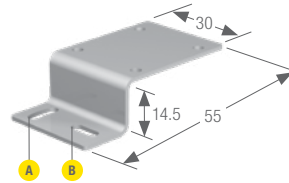
SMBT18Y (All measurements in mm)

Hole size:
A = $\varnothing$ 15.3

- Die-cast bracket for 18 mm holes
- Includes metal hex nut
- For use with Euro-style QD connectors and cabled versions

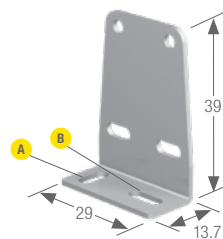
Used with:
 T18
 TM18

T18U
 EZ-LIGHT T18

SMBQ20H (All measurements in mm)

Hole center spacing:
A to **B** = 20
 Hole size:
A = 2.8 x 9.3, **B** = 8.4 x 4.5
 • Sensor horizontal flange mount
 • $\pm 10^\circ$ swivel
 • Stainless steel

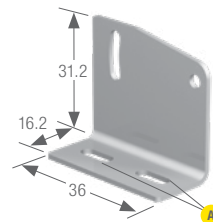
Used with:
 Q20

SMBQ20L (All measurements in mm)

Hole center spacing:
A to **B** = 20
 Hole size:
A = 2.8 x 9.3, **B** = 8.4 x 4.5

- Right-angle bracket
- $\pm 5^\circ$ tip, $\pm 5^\circ$ swivel
- Stainless steel

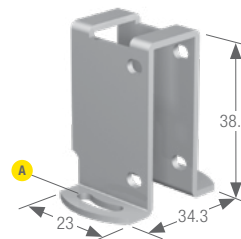
Used with:
 Q20

SMBQ20LV (All measurements in mm)

Hole center spacing:
A = 12
 Hole size:
A = 3 x 9.4

- Right-angle bracket
- $\pm 10^\circ$ tip
- Stainless steel

Used with:
 Q20

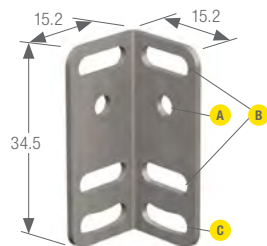
SMBQ20U (All measurements in mm)

Hole center spacing:
A = 26.5
 Hole size:
A = 3 x 12.6

- Protective bracket
- $\pm 22.5^\circ$ swivel
- Stainless steel

Used with:
 Q20

SMBLSTDLQ26 (All measurements in mm)

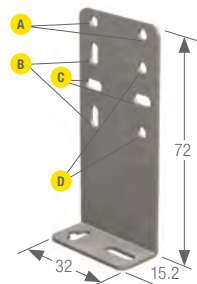


Hole center spacing:
B = 10
 Hole size:
A = $\varnothing$ 3.5, **B** = 10.5 x 3.5,
C = 10.5 x 3.5

- Adjustable right-angle metal bracket
- 304 stainless steel

Used with:
 Q26
 QM26

SMBLSTQ26 (All measurements in mm)

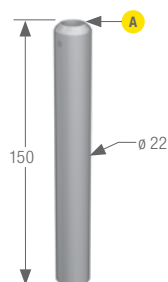


Hole center spacing:
A, **B**, **C**, **D** = 20
 Hole size:
A, **D** = $\varnothing$ 3.5, **B**, **C** = $\varnothing$ 3.5

- Right-angle bracket
- 304 stainless steel

Used with:
 Q26
 QM26

SMBQM26-SS-150 (All measurements in mm)

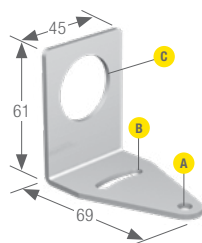


Hole size:
A = $\varnothing$ 12

- Smooth surface for easy cleaning
- Setscrew adjustment of sensor
- 316L stainless steel

Used with:
 QM26

SMB30A (All measurements in mm)

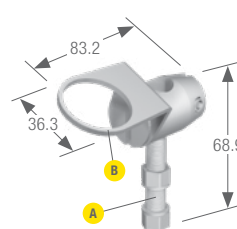


Hole center spacing:
A to **B** = 40
 Hole size:
A = $\varnothing$ 6.3, **B** = 27.1 x 6.3, **C** = $\varnothing$ 30.5

- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (1/4") hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel

Used with:	T30U	STB	QT50R	SM30/SMI30	EZ-LIGHT K50L
QS30	Q40	Q45U	OTB/LTB	OMNI-BEAM	EZ-LIGHT TL50
S30	Q45	Q45UR		WL50 Work Lights	EZ-LIGHT CL50
T30	VTB	QT50U			EZ-LIGHT T30

SMB30FA.. (All measurements in mm)



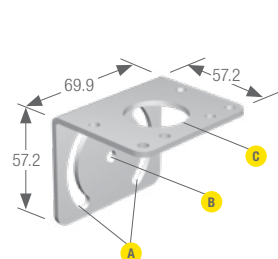
Hole size:
B = $\varnothing$ 30.1

Model	Bolt Thread (A)
SMB30FA	3/8 - 16 x 2"
SMB30FAM10	M10 - 1.5 x 50

- Swivel bracket with tilt and pan movement for precision adjustment
- Mounting hole for 30 mm sensor
- Metric and inch size bolt available
- Easy sensor mounting to extruded rail T-slot

Used with:	T30U	Q45UR	STB	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	QT50U	QT50R	WL50 Work Lights	EZ-LIGHT K50L
S30	Q45	OTB/LTB		SM30/SMI30	EZ-LIGHT TL50
T30	Q45U	VTB			EZ-LIGHT CL50

SMB30MM (All measurements in mm)

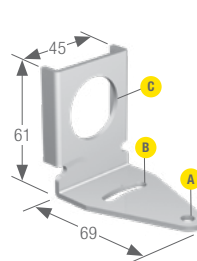


Hole center spacing:
A = 51, **A** to **B** = 25.4
 Hole size:
A = 42.6 x 7, **B** = $\varnothing$ 6.4, **C** = $\varnothing$ 30.1

- 12-ga. stainless steel bracket with curved mounting slots for versatility and orientation
- Clearance for M6 (1/4") hardware
- Mounting hole for 30 mm sensor

Used with:	T30U	VTB	Q45UR	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	STB	QT50R	OMNI-BEAM	EZ-LIGHT K50L
S30	Q45	QT50U		WL50 Work Lights	EZ-LIGHT TL50
T30	OTB/LTB	Q45U			EZ-LIGHT CL50

SMB30Q (All measurements in mm)

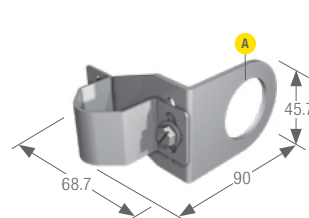


Hole center spacing:
A to **B** = 40
 Hole size:
A = $\varnothing$ 6.3, **B** = 27.1 x 6.3, **C** = $\varnothing$ 30.7

- Right-angle flanged mounting bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 30 mm sensor

Used with:	Q40	Q45U	SM30/SMI30	EZ-LIGHT T30
QS30	Q45	Q45UR	OMNI-BEAM	EZ-LIGHT K50L
S30	VTB	OTB/LTB	WL50 Work Lights	
T30	STB			

SMB30RAVK (All measurements in mm)



Hole size:
A = $\varnothing$ 30.5

- V-clamp, right-angle bracket and fasteners for mounting sensors to pipe or extrusions
- Clamp accommodates 28 mm dia. tubing or 1" square extrusions
- 30 mm hole for mounting sensors

Used with:	T30U	Q45UR	STB	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	QT50U	K50	OMNI-BEAM	EZ-LIGHT K50L
S30	Q45	OTB/LTB		WL50 Work Lights	EZ-LIGHT TL50
T30	Q45U	VTB			WL50 Work Lights

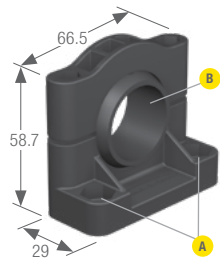
ACCESSORIES

BRACKETS

CORDSETS

RETROREFLECTORS

SMB30SC (All measurements in mm)



Hole center spacing:

A = 50.8

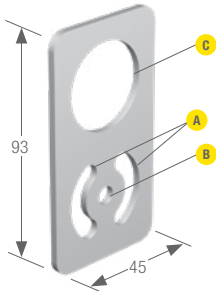
Hole size:

A = $\varnothing$ 7, **B** = $\varnothing$ 30

- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included

Used with:	T30U	STB	QT50R	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	QT50U	K50	OMNI-BEAM	EZ-LIGHT K50
S30	Q45	Q45U	OTB/LTB	WL50 Work Lights	EZ-LIGHT TL50
T30	VTB	Q45UR			EZ-LIGHT CL50

SMBAMS30P (All measurements in mm)



Hole center spacing:

A = 26, **A** to **B** = 13

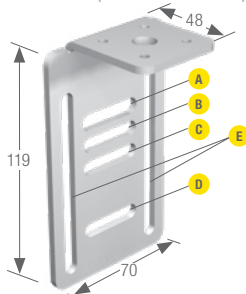
Hole size:

A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 31

- Flat SMBAMS series bracket with 30 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Used with:	T30U	STB	Q45UR	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	QT50R	OTB/LTB	OMNI-BEAM	EZ-LIGHT K50L
S30	Q45	QT50U		WL50 Work Lights	EZ-LIGHT TL50
T30	VTB	Q45U			EZ-LIGHT CL50

SMBAMSRAB (All measurements in mm)



Hole center spacing:

A to **B** = 12

B to **C** = 11, **A** to **C** = 23,

A to **D** = 55, **E** to **E** = 50.8

Hole size:

A, **B**, **C**, **D** = 6.9 x 32, **E** = 6.9 x 89.4

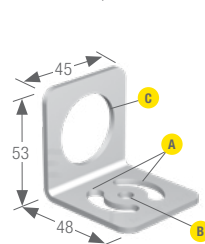
- 10-ga. (3.4 mm) cold-rolled steel with zinc finish
- Retrofit WORLD-BEAM QS30 in place of MULTI-BEAM, MAXI-BEAM, Q45, OMNI-BEAM and VALU-BEAM sensors

Used with:

QS30*

* Requires a **SMBAMS30RA** bracket (sold separately)

SMBAMS30RA (All measurements in mm)



Hole center spacing:

A = 26, **A** to **B** = 13

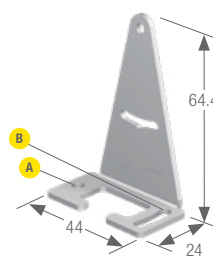
Hole size:

A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 31

- Right-angle SMBAMS series bracket with 30 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Used with:	T30U	VTB	QT50U	SM30/SMI30	EZ-LIGHT T30
QS30	Q40	STB	QT50R	WL50 Work Lights	EZ-LIGHT K50L
S30	Q45	Q45U	K50	OMNI-BEAM	EZ-LIGHT TL50
T30	OTB/LTB	Q45UR			EZ-LIGHT CL50

SMBQS30L (All measurements in mm)



Hole center spacing:

A to **B** = 35

Hole size:

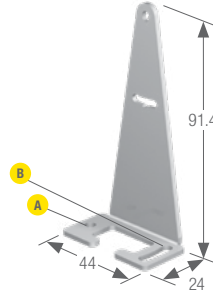
A = $\varnothing$ 4.3, **B** = 4.25 x 16.3

- Right-angle bracket for cable sensor models
- Clearance for M4 (#8) hardware
- $\pm$ 12° tilt adjustment
- 14-ga. stainless steel

Used with:

QS30

SMBQS30LT (All measurements in mm)



Hole center spacing:

A to **B** = 35

Hole size:

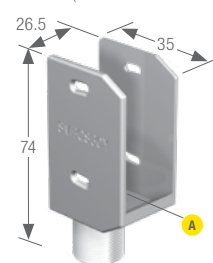
A = $\varnothing$ 4.3, **B** = 4.25 x 16.3

- Tall right-angle bracket for QD models
- $\pm$ 8° tilt adjustment
- 14-ga. stainless steel

Used with:

QS30 with integral QDs

SMBQS30Y (All measurements in mm)



Hole size:

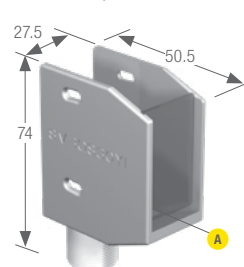
A = $\varnothing$ 15.3

- Heavy-duty die-cast bracket
- M18 vertical mount option
- $\pm$ 8° tilt adjustment with cabled units
- Includes nuts and lock washer

Used with:

QS30 (DC only)

SMBQS30YL (All measurements in mm)



Hole size:

A = $\varnothing$ 15.3

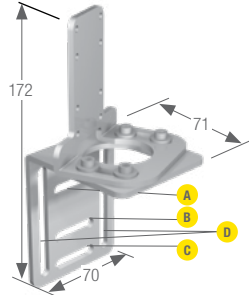
- Heavy-duty die-cast bracket designed for industrial protection
- Replaceable window
- M18 vertical mount option
- Includes nuts and lock washer

Used with:

QS30 (DC only)

SMB30UR

(All measurements in mm)



Hole center spacing:

A to B = 31.8, B to C = 19,
A to C = 50.8, D = 50.8

Hole size:

A, B, C = 6.9 x 32, D = 73 x 6.9

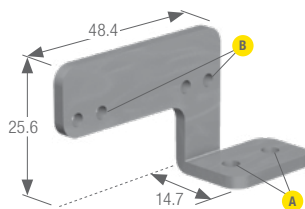
- 2-piece universal swivel bracket for limit-switch style sensors
- 300 series stainless steel
- Stainless steel swivel locking hardware included

Used with:
Q45
OMNI-BEAM

Q45U
Q45UR

SMB42F

(All measurements in mm)



Hole center spacing:

A = 10, B = 25.4

Hole size:

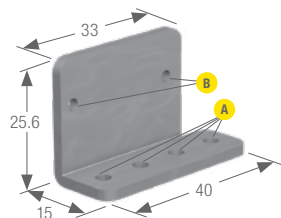
A = Ø 3.4, B = Ø 2.5

- 13-ga. stainless steel
- Hardware included

Used with:
QM42/QMT42

SMB42L

(All measurements in mm)



Hole center spacing:

A = 10, B = 25.4

Hole size:

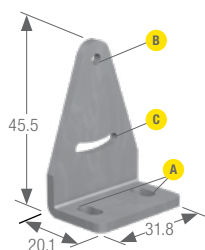
A = Ø 3.4, B = Ø 2.5

- 13-ga. stainless steel
- Hardware included

Used with:
QM42/QMT42

SMB42T

(All measurements in mm)



Hole center spacing:

A = 20.3, B to C = 5.1

Hole size:

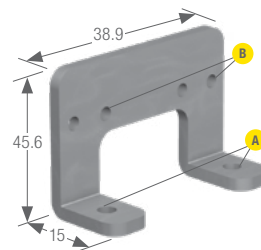
A = 4.3 x 7.5, B = Ø 3, C = 3 x 15.3

- Stainless steel 2-axis side-mounting bracket
- Nut strap included for replacing two M3 mounting nuts

Used with:
QM42/QMT42

SMB42U

(All measurements in mm)



Hole center spacing:

A = 30, B = 25.4

Hole size:

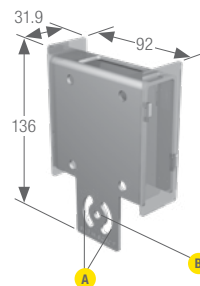
A = Ø 3.4, B = Ø 2.5

- 13-ga. stainless steel
- Hardware included

Used with:
QM42/QMT42

SMBAMSQ60IP

(All measurements in mm)



Hole center spacing:

A = 26, A to B = 13

Hole size:

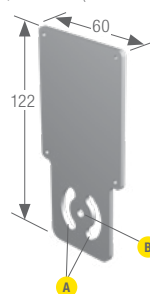
A = 26.8 x 7, B = Ø 6.5

- Industrial protection SMBAMS series bracket for Q60 with replaceable window
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) 300 series stainless steel

Used with:
Q60

SMBAMSQ60P

(All measurements in mm)



Hole center spacing:

A = 26, B = 13

Hole size:

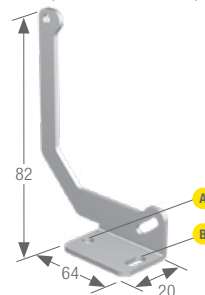
A = 26.8 x 7, B = Ø 6.5

- Flat SMBAMS series bracket for mounting Q60
- Articulation slots for 90+° rotation
- 12-ga. 300 series stainless steel

Used with:
Q60

SMBQ60

(All measurements in mm)



Hole center spacing:

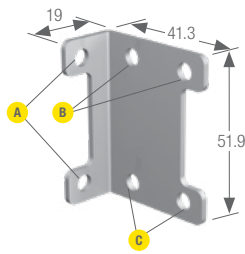
A to B = 24.1

Hole size:

A = Ø 4.5, B = 8.4 x 4.5

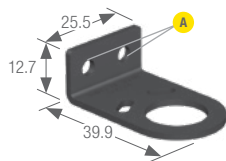
- Right-angle bracket
- 14-ga. 304 stainless steel

Used with:
Q60

SMBSL (All measurements in mm)

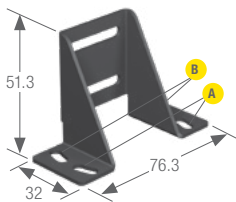
- Hole center spacing:
A = 40, **B**, **C** = 21.6, **B** to **C** = 39.9
 Hole size:
A, **B**, **C** = $\varnothing$ 5.5
- Right-angle bracket
 - 304 stainless steel
 - Hardware included

Used with:
 SL10
 SL30

SMBLX (All measurements in mm)

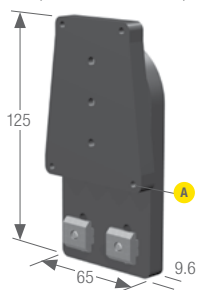
- Hole center spacing:
A = 12.7
 Hole size:
A = $\varnothing$ 4.3
- End-cap brackets; set of 2
 - Zinc-plated cold-rolled steel

Used with:
 LX

SMBLXR (All measurements in mm)

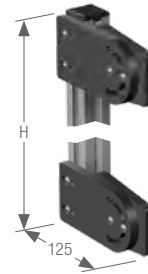
- Hole center spacing:
A, **B** = 63.5, **A** to **B** = 10.2
 Hole size:
A, **B** = 5.2 x 11.6
- Back-mount bracket for secure one-end mounting
 - Zinc-plated cold-rolled steel

Used with:
 LX

SMBLH1 (All measurements in mm)

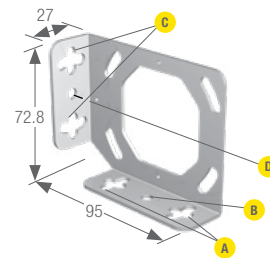
- Hole size:
A = M4
- Main mounting bracket for LH sensor
 - T-slot or "bolt-on" bracket for mounting one sensor
 - Anodized Aluminum

Used with:
 LH

SMBLH.. (All measurements in mm)

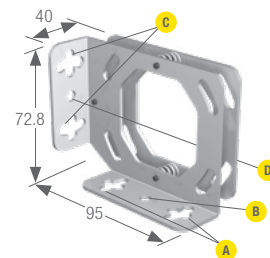
- Hole size:
A = M4
- LH series adjustable bracket
 - Brackets for thickness and displacement measurement
 - Anodized Aluminum

Used with:
 LH

SMBLG (All measurements in mm)

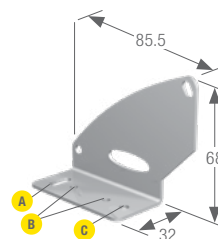
- Hole center spacing:
A = 56, **A** to **B** = 20, **C** = 44.5, **C** to **D** = 14
 Hole size:
A = 19.1 x 14.2, **B** = $\varnothing$ 6.3, **C** = 19.3 x 15.3, **D** = $\varnothing$ 6.3
- LG series sensor mounting bracket
 - 304 stainless steel

Used with:
 LG5
 LG10

SMBLGA (All measurements in mm)

- Hole center spacing:
A = 56, **A** to **B** = 20, **C** = 44.5, **C** to **D** = 14
 Hole size:
A = 19.1 x 14.2, **B** = $\varnothing$ 6.3, **C** = 19.3 x 15.3, **D** = $\varnothing$ 6.3
- LG series adjustable bracket assembly
 - Precision adjustment screws
 - 304 stainless steel

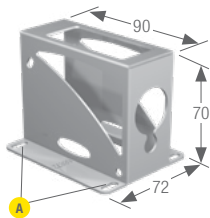
Used with:
 LG5
 LG10

SMBLT31 (All measurements in mm)

- Hole center spacing:
A to **C** = 47.5, **B** to **C** = 24.1
 Hole size:
A = 13.2 x 5, **B** = $\varnothing$ 4, **C** = $\varnothing$ 5
- Right-angle bracket
 - 300 stainless steel

Used with:

SMBLT32 (All measurements in mm)



Hole center spacing:

A = 80

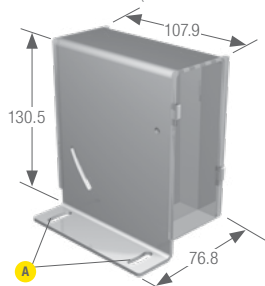
Hole size:

A = 5 x 12

- Full protection bracket
- 300 stainless steel
- Mounting hardware included

Used with:
LT3

SMBLT3IP (All measurements in mm)



Hole center spacing:

A = 82.5

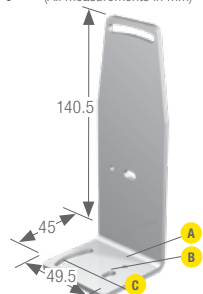
Hole size:

A = 6 x 20.5

- Protective bracket with replaceable window
- Stainless steel construction
- Includes replacement windows

Used with:
LT3

SMBLT7F (All measurements in mm)



Hole center spacing:

A to **C** = 31.8

Hole size:

A = $\varnothing$ 3.1, **B** = 5 x 9, **C** = 5.2 x 28

- Fine-adjust accessory for bracket SMBLT7
- Mounting hardware included
- SMBLT7 required (sold separately)
- Cold-rolled steel

Used with:
TL7

SMBLT7F (All measurements in mm)

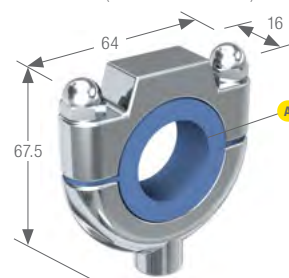


- Fine-adjust accessory for bracket SMBLT7
- Mounting hardware included
- SMBLT7 required (sold separately)
- Cold-rolled steel

Used with:
LT7*

*Shown mounted on **SMBLT7** (sold separately)

SMBM25A (All measurements in mm)



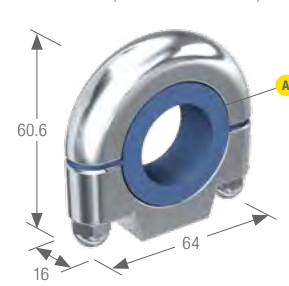
Hole size:

A = $\varnothing$ 25.4

- Top mount swivel bracket
- Stainless steel with rounded edges for cleanliness in demanding environments
- Non-metallic FDA compliant bushing for acoustically isolating M25U sensors
- M10 x 1.5 mount on opposite side of clamping nuts

Used with:
M25U

SMBM25B (All measurements in mm)



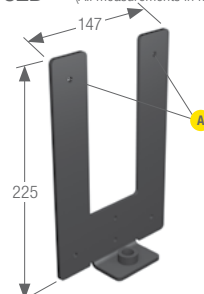
Hole size:

A = $\varnothing$ 25.4

- Bottom mount swivel bracket
- Stainless steel with rounded edges for cleanliness in demanding environments
- Non-metallic FDA compliant bushing for acoustically isolating M25U sensors
- M10 x 1.5 mount on same side as clamping nuts

Used with:
M25U

SMBLBCZB (All measurements in mm)



Hole center spacing:

A = 107

Hole size:

A = $\varnothing$ 5.2

- U-shaped bracket for mounting EZ-ARRAY emitter/receiver 67 mm apart
- 8-ga. (4 mm) cold-rolled steel, black zinc plated

Used with:
EZ-ARRAY

MSMB-3 (All measurements in mm)



Hole center spacing:

A = 44.5

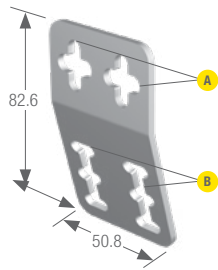
Hole size:

A = 10.2 x 4.8, **B** = $\varnothing$ 30.5

- Two-bracket replacement kit for emitter/receiver
- 11-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish

* Includes 1 bracket from model MSMBB (see page 903 for dimensions).

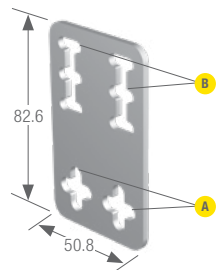
Used with:
High-Resolution MINI-ARRAY
MINI-ARRAY

SMB55A (All measurements in mm)

Hole center spacing:
A = 24.1, **B** = 27.9
 Hole size:
A = 12.7 x 11.4, **B** = 24.8 x 7.6

- 15° offset bracket
- 12-ga. stainless steel

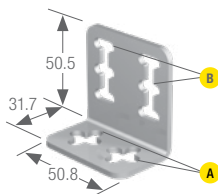
Used with:
 R58E/R58A
 QL56

SMB55F (All measurements in mm)

Hole center spacing:
A = 24.1, **B** = 27.9
 Hole size:
A = 12.7 x 11.4, **B** = 24.8 x 7.6

- Flat-mount bracket
- 12-ga. stainless steel

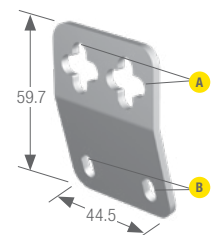
Used with:
 R58E/R58A
 QL56

SMB55RA (All measurements in mm)

Hole center spacing:
A = 24.1, **B** = 27.9
 Hole size:
A = 12.7 x 11.4, **B** = 24.8 x 7.6

- Right-angle bracket
- 12-ga. stainless steel

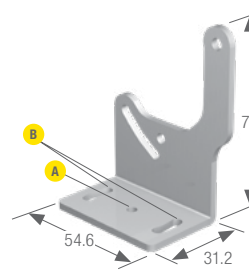
Used with:
 R58E/R58A
 QL56

SMB55S (All measurements in mm)

Hole center spacing:
A = 30.5, **B** = 28
 Hole size:
A = 12.7 x 11.4, **B** = 5.2 x 8.9

- 15° offset bracket
- 12-ga. stainless steel

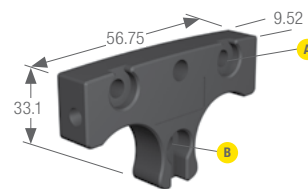
Used with:
 R58E/R58A
 QL56

SMBQC50 (All measurements in mm)

Hole center spacing:
A to **B** = 18, **B** to **B** = 36
 Hole size:
A = Ø 4, **B** = 4 x 13.3

- Multidirectional stainless steel right-angle bracket
- Variety of mounting options

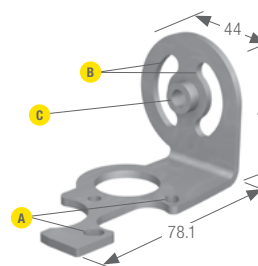
Used with:
 QC50
 QCX50

SMBIVUB (All measurements in mm)

Hole center spacing:
A = 35, **A** to **B** = 18
 Hole size:
A, **B** = Ø 4.4

- Bottom mounting bracket
- Black anodized aluminum
- Hardware included

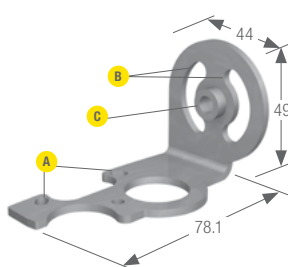
Used with:
 iVu TG

SMBIVURAL (All measurements in mm)

Hole center spacing:
A = 36.4, **B** = 26
 Hole size:
A = 4.4 x 6.4, **B** = 7 x 26, **C** = 1/4-20

- Right-angle bracket for mounting sensor from the left
- 12-ga. stainless steel
- Hardware included

Used with:
 iVu
 iVu Plus

SMBIVURAR (All measurements in mm)

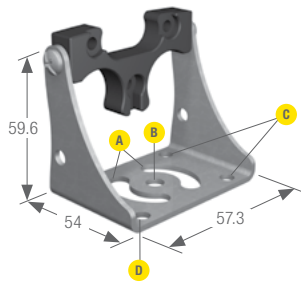
Hole center spacing:
A = 36.4, **B** = 26
 Hole size:
A = 4.4 x 6.4, **B** = 7 x 26, **C** = 1/4-20

- Right-angle bracket for mounting sensor from right
- 12-ga. stainless steel
- Hardware included

Used with:
 iVu
 iVu Plus

SMBIVUU

(All measurements in mm)



Hole center spacing:

A = 26, **C** = 30, **C** to **D** = 42

Hole size:

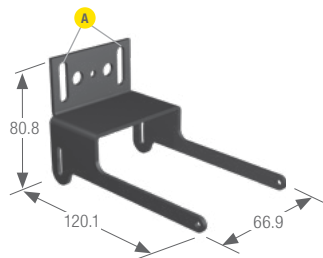
A = 6.5 x 3.6, **B** = $\varnothing$ 6.6, **C**, **D** = 5.4

- U-shaped swivel bracket kit
- 14-ga. stainless steel
- Hardware included

Used with:
iVu
iVu Plus

SMBP4RAB

(All measurements in mm)



Hole center spacing:

A = 47

Hole size:

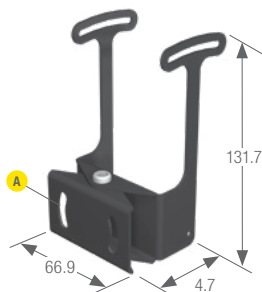
A = 3.3 x 19.1

- Heavy-duty, black corrosion-resistant zinc finish
- 8° of rotation on image-axis
- Hardware included

Used with:
P4 (right-angle)

SMBP4RAS

(All measurements in mm)



Hole center spacing:

A = 43.5

Hole size:

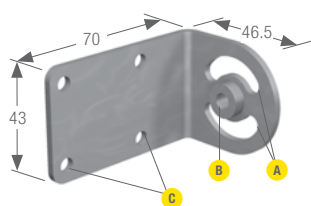
A = 6.8 x 2.5

- Right-angle swivel bracket
- 70° rotation on image's x-axis and 20° on the y-axis
- Black corrosion-resistant zinc finish
- Hardware included

Used with:
P4 (right-angle)

SMBP4SRAF

(All measurements in mm)



Hole center spacing:

A to **B** = 12.5, **C** = 36

Hole size:

A = 7 x 26, **B** = $\varnothing$ 8 (1/4-20),

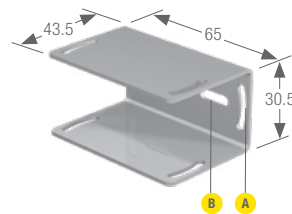
C = $\varnothing$ 5.5

- Right-angle, stainless steel bracket
- Stainless steel hardware included

Used with:
P4 (sealed)

SMBPPLU

(All measurements in mm)



Hole center spacing:

A = 58.5, **B** = 30

Hole size:

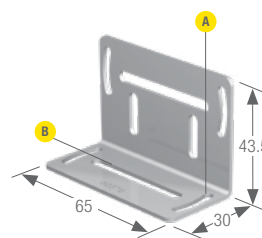
A = 18.7 x 3.4, **B** = 14.3 x 4.4

- Highly stable U-Shaped bracket
- Bright corrosion-resistant finish
- Hardware included

Used with:
Presence PLUS Pro Camera

SMBPPRA

(All measurements in mm)



Hole center spacing:

A = 58.5

Hole size:

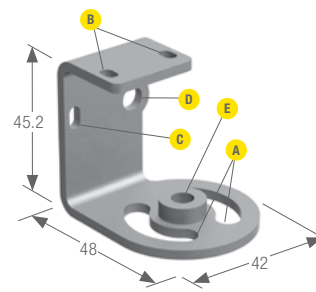
A = 18.7 x 3.4, **B** = 44.5 x 4.4

- Right-angle bracket with single-side mounting for difficult-to-access sites
- Bright corrosion-resistant finish
- Hardware included

Used with:
Presence PLUS Pro Camera

SMBPPROMRA

(All measurements in mm)



Hole center spacing:

A = 26, **B** = 20, **D** to **D** = 20

Hole size:

A = 7 x 26, **B** = 3.6 x 5.6, **C** = 3.6 x 6.6,

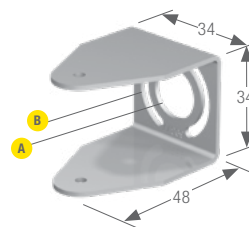
D = $\varnothing$ 6.8, **E** = $\varnothing$ 8 (1/4-20)

- Right-angle bracket
- 316 stainless steel
- Hardware included

Used with:
Presence PLUS Pro Camera

SMBPPU

(All measurements in mm)



Hole center spacing:

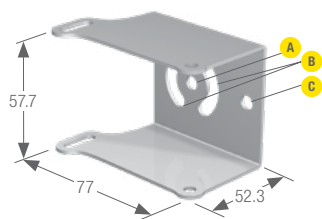
B = 25

Hole size:

A = $\varnothing$ 16, **B** = 3.3 x 25

- U-Shaped swivel bracket for variable rotation
- Bright corrosion-resistant finish
- Hardware included

Used with:
Presence PLUS Pro Camera

SMBPPSU (All measurements in mm)

Hole center spacing:

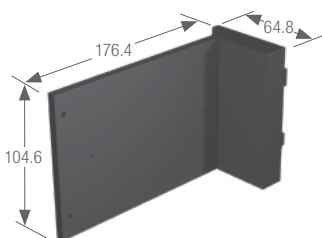
A to C = 31.8, B = 25

Hole size:

A = $\varnothing$ 6.5, B = 20.2 x 7,C = $\varnothing$ 6.5

- 316 stainless steel
- 10° of rotation on image's y-axis
- Hardware included

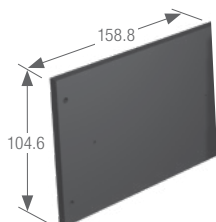
Used with:
Presence PLUS Pro Camera

SMBPPDE (All measurements in mm)

N/A

- DIN-rail edge mounting bracket to save linear track space
- Black ABS plastic
- Hardware included

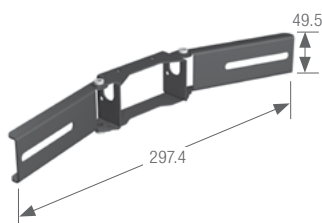
Used with:
Presence PLUS Pro Controller

SMBPPDH (All measurements in mm)

N/A

- DIN-rail flat mounting for easy viewing of LED's
- Black ABS plastic
- Hardware included

Used with:
Presence PLUS Pro Controller

SMBP42ASM (All measurements in mm)

N/A

- For mounting two lights to P4 sensor housing
- Black corrosion-resistant zinc finish
- Hardware included

Used with:
Area Light (80 x 80 mm)*
Area Light (62 x 62 mm)

Spot Light

SMBP4ASM* (All measurements in mm)

N/A

- For mounting light to P4 sensor housing
- Black corrosion-resistant zinc finish
- Hardware included

Used with:
Area Light (80 x 80 mm)*
Area Light (62 x 62 mm)

Spot Light

SMBP40AL100 (All measurements in mm)

Hole center spacing:

A = 15

Hole size:

A = $\varnothing$ 5.3

- For mounting On-Axis light to P4 housing
- Centers lens on light opening
- Black zinc-plated steel
- Hardware included

Used with:
On-Axis Lights (100 mm)

* Dimensions include 100 mm light (sold separately)

SMBP40AL50 (All measurements in mm)

Hole center spacing:

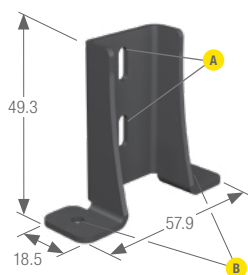
A = 15

Hole size:

A = $\varnothing$ 5.3

- For mounting On-Axis light to P4 housing
- Centers lens on light opening
- Black zinc-plated steel
- Hardware included

Used with:
On-Axis Lights (50 mm)

SMBPMPRIH (All measurements in mm)

Hole center spacing:

A = 20.1, B = 44.8

Hole size:

A = 3.5 x 9.9, B = 3.8

- Black zinc plated steel
- For mounting light to Pro Mini Camera
- Black zinc plated finish
- Hardware included

Used with:
Ring Light (70 mm)

* Requires one SMBACM bracket with each light (see page 886)

SMBPPOAL100

(All measurements in mm)



Hole center spacing:

A = 15

Hole size:

A = $\varnothing$ 5.3

- For mounting On-Axis light to Pro housing
- Centers lens on light opening
- Black zinc-plated steel
- Hardware included

Used with:

On-Axis Lights (100 mm)

SMBPPOAL50

(All measurements in mm)



Hole center spacing:

A = 15

Hole size:

A = $\varnothing$ 5.3

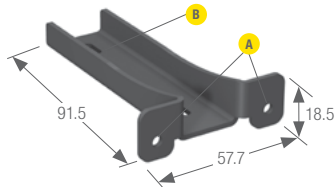
- For mounting On-Axis light to Pro housing
- Centers lens on light opening
- Black zinc-plated steel
- Hardware included

Used with:

On-Axis Lights (50 mm)

SMBPPRHI

(All measurements in mm)



Hole center spacing:

A = 44.5, **B** = 52.3

Hole size:

A = $\varnothing$ 3.8, **B** = 3.6 x 6.4

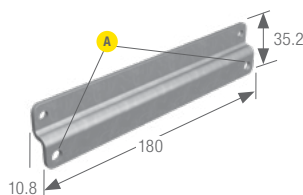
- Black anodized aluminum bracket
- For mounting light to Pro camera
- Hardware included

Used with:

Ring Light (70 mm)

SMBBSSM

(All measurements in mm)



Hole center spacing:

A = 167.8

Hole size:

A = $\varnothing$ 5.5

- Surface-mount bracket
- 316 stainless steel
- Stainless steel hardware included
- Set of two brackets

Used with:

Backlights (75 x 150 mm)

Backlights (150 x 150 mm)

Backlights (150 x 225 mm)

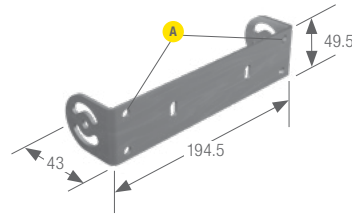
Backlights (150 x 300 mm)

WLA Work Lights

* Requires one SMBACM bracket with each light (see page 886)

SMBBSRA

(All measurements in mm)



Hole center spacing:

A = 167.8

Hole size:

A = $\varnothing$ 6.5

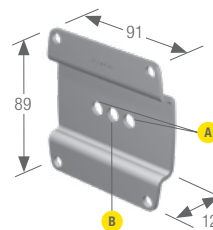
- Swivel bracket for versatile orientation
- 316 stainless steel hardware

Used with:

WLA Work Lights

SMBASCM

(All measurements in mm)



Hole center spacing:

A = 25.4, **A** to **B** = 12.7

Hole size:

A = $\varnothing$ 5 (M16), **B** = $\varnothing$ 5 (1/4-20)

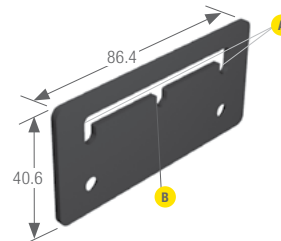
- Column-mount bracket
- 316 stainless steel
- Stainless steel hardware included

Used with:

NOTE: Shown with optional SMBPPK6 mounting kit.

SMBABM

(All measurements in mm)



Hole center spacing:

A = 61, **A** to **B** = 30.5

Hole size:

A, **B** = 9.1 x 2.3

- Surface-mount bracket for mounting light from front
- Black corrosion-resistant zinc finish
- Hardware included

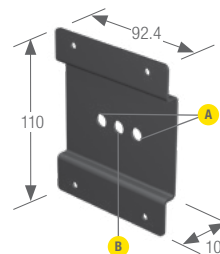
Used with:

Area Lights (80 x 80 mm)

Backlights (70 x 70 mm)

SMBACM

(All measurements in mm)



Hole center spacing:

A = 30, **A** to **B** = 15

Hole size:

A = $\varnothing$ 5 (M16), **B** = $\varnothing$ 5 (1/4 - 20)

- Column-mount bracket
- Black corrosion-resistant zinc finish
- Hardware included

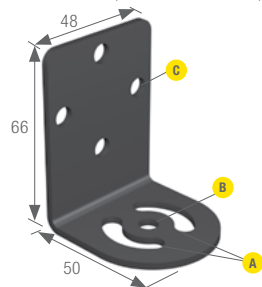
Used with:

Area Lights (80 x 80 mm)

Backlights (70 x 70 mm)

NOTE: Shown with optional

SMBPPK6 mounting kit.

SMBAMS70A (All measurements in mm)

Hole center spacing:

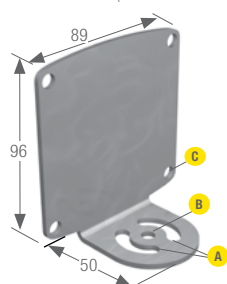
A = 26, A to B = 13

Hole size:

A = 26.8 x 7, B = $\varnothing$ 6.5, C = $\varnothing$ 7

- Right-angle zinc-plated cold-rolled steel
- Articulated slots for 90+° rotation
- Two 1/4-20 screws included

Used with:
Area Light (70 mm)

SMBAMS70AS (All measurements in mm)

Hole center spacing:

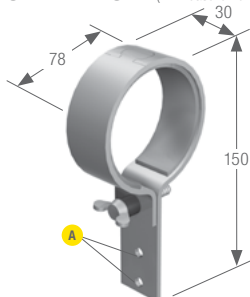
A = 26, A to B = 13

Hole size:

A = 26.8 x 7, B = $\varnothing$ 6.5, C = $\varnothing$ 7

- Right-angle, 12-ga. 316 stainless steel
- Articulated slots for 90+° rotation
- Four 1/4-20 stainless steel screws included

Used with:
Sealed Area Light (70 mm)

SMBWFTLS (All measurements in mm)

Hole center spacing:

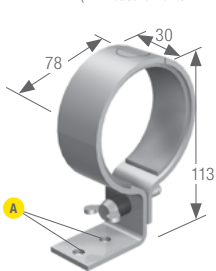
A = 27

Hole size:

A = $\varnothing$ 6.5

- In-line bracket
- Mounts around light
- Bright zinc-coated steel construction

Used with:
Tubular Fluorescent Lights

SMBWFTLR (All measurements in mm)

Hole center spacing:

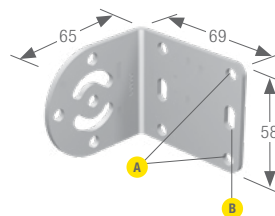
A = 27

Hole size:

A = $\varnothing$ 6.5

- Right-angle bracket
- Mounts around light
- Bright zinc-coated steel construction

Used with:
Tubular Fluorescent Lights

SMBLASRA (All measurements in mm)

Hole center spacing:

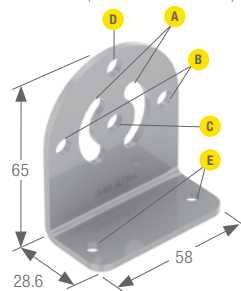
A, B = 45, A to B = 22.5

Hole size:

A = $\varnothing$ 6.6, B = 6.6 x 12.4

- Right-angle metal bracket
- May be used individually or two used in combination
- 316 stainless steel bracket and hardware
- Set of two brackets

Used with:
Sealed Linear Array Lights (IP68)

SMBLAXRA (All measurements in mm)

Hole center spacing:

A = 26, B = 45,

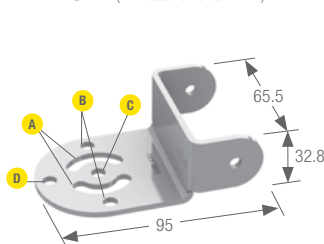
C to D & B to C = 22.5, E = 4.5

Hole size:

A = 7 x 26, B, C, D = $\varnothing$ 6.6, E = $\varnothing$ 5.4

- Right-angle metal bracket
- May be used individually or with **SMBLAXU** to provide swivel adjustment
- 316 stainless steel bracket and hardware
- Set of two brackets

Used with:
Linear Array Lights (IP50)

SMBLAXU (All measurements in mm)

Hole center spacing:

A = 25, B = 45,

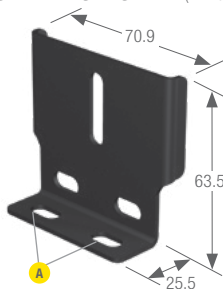
C to D & B to C = 22.5

Hole size:

A = 7 x 26, B, C, D = $\varnothing$ 6.6

- U-shaped metal bracket
- Used with **SMBLAXRA** to provide swivel adjustment
- 316 stainless steel bracket and hardware
- Set of two brackets

Used with:
Linear Array Lights (IP50)

SMBVLA62X62RA (All measurements in mm)

Hole center spacing:

A = 36.4

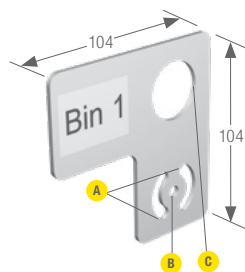
Hole size:

A = 13.1 x 6.6

- For mounting a light at a right angle
- 14-ga. steel, black zinc-plated

Used with:
Area Lights (62 x 62 mm)

SMBAMS30PL52R (All measurements in mm)



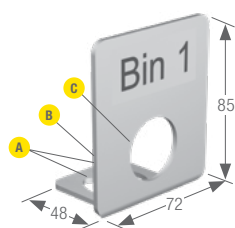
Hole center spacing:
A = 26, **A** to **B** = 13
 Hole size:
A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 31

- Flat SMBAMS series bracket with space for 60 x 58 mm label
- 30 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Used with:
 EZ-LIGHT T30
 VTB

EZ-LIGHT K50L

SMBAMS30RLJ (All measurements in mm)



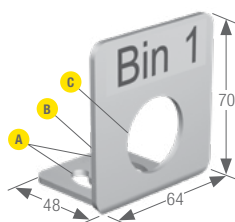
Hole center spacing:
A = 26, **A** to **B** = 13
 Hole size:
A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 31

- Right-angle SMBAMS series bracket with 70 x 40 mm space for label
- 30 mm hole for mounting sensor
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Used with:
 EZ-LIGHT T30
 VTB

EZ-LIGHT K50L
 EZ-LIGHT CL50

SMBAMS30RLS (All measurements in mm)



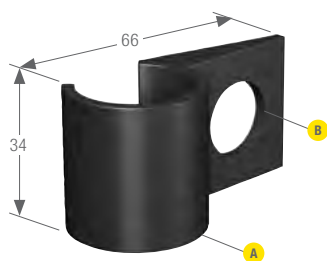
Hole center spacing:
A = 26, **A** to **B** = 13
 Hole size:
A = 26.8 x 7, **B** = $\varnothing$ 6.5, **C** = $\varnothing$ 31

- Right-angle SMBAMS series bracket with 62 x 26 mm space for label
- 30 mm hole for mounting sensor
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Used with:
 EZ-LIGHT T30L
 VTB

EZ-LIGHT K50L
 EZ-LIGHT CL50

SMBC18 (All measurements in mm)

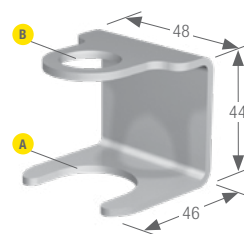


Hole center spacing:
 N/A
 Hole size:
A = $\varnothing$ 26.9, **B** = $\varnothing$ 18.4

- Snaps onto 28 mm diameter structural framing

Used with:
 S18L

SA-K50A18 (All measurements in mm)

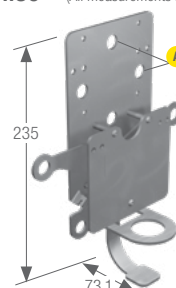


Hole center spacing:
 Hole size:
A = $\varnothing$ 30.5, **A** = $\varnothing$ 20

- Protective mounting bracket for EZ-LIGHT K50 sensors
- 12-ga. cold-rolled steel

Used with:
 K50

SMBARP..30 (All measurements in mm)

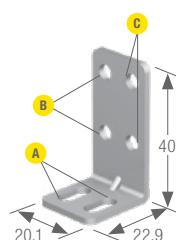


Hole center spacing:
A = 69.9
 Hole size:
A = $\varnothing$ 12.8

Model	Rope Pull
SMBARPL30	Left
SMBARPR30	Right
SMBARPB30	Both

Used with:
 K50

SMBPVA1 (All measurements in mm)



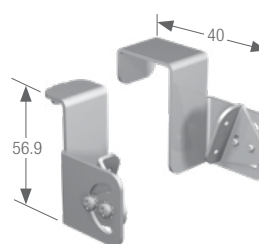
Hole center spacing:
A = 10.2, **B** to **B** = 18, **B** to **C** = 10.2
 Hole size:
A = 10 x 4.8, **B**, **C** = $\varnothing$ 4.6

- Right-angle bracket
- 303 stainless steel
- Replacement brackets for brackets included with sensors

Used with:
 PVA
 PVD

EZ-LIGHT TL30F

SMBPVA11 (All measurements in mm)

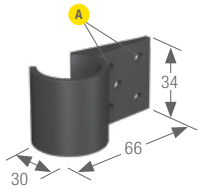


Hole center spacing:
 NA
 Hole size:
 NA

- Pair of two-piece swivel brackets for mounting sensor to 5/16" metal rack system
- Articulation slot for $\pm$ 90° rotation
- May be used with **SMBPVA..C** bracket

Used with:
 PVD
 EZ-LIGHT TL30F

SMBPVD..A
 SMBPVD..AB

SMBPVA2 (All measurements in mm)

Hole center spacing:

A = 18.8

Hole size:

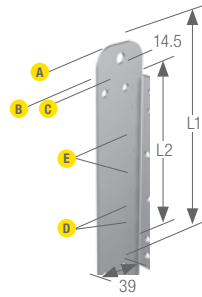
A = $\varnothing$ 4.4

- Set of 4 molded brackets
- Snaps onto standard 28 mm diameter pipe
- 2 required per sensor

Used with:
PVA
PVD
EZ-LIGHT TL30F

SMBPVA..
SMBPVA..A
SMBPVA..AB

SMBPVD..
SMBPVD..AB

SMBPVA..C (All measurements in mm)

Hole center spacing: **A** to **C** = 20,
B to **C** = 18, **D** = 13, **E** = 32
Hole size: **A** = $\varnothing$ 7.3,
B, **C**, **D**, **E** = $\varnothing$ 5.2

- Back-mounted bracket for mounting to SMBPVA7 or SMBPVA8 brackets
- Cold-rolled steel with zinc finish

Models	L1	L2
SMBPVA5C	188.7	139.5
SMBPVA10C	317.2	268.0

Used with:
SMBPVA7*
SMBPVA8*
SMBPVA...

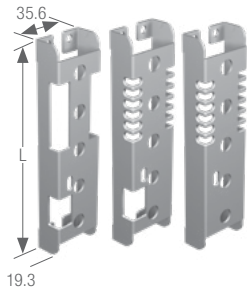
SMBPVA...A
SMBPVA...AB
SMBPVD...A
SMBPVD...AB

PVA, PVD

* Sensor must be mounted to a SMBPVA..C bracket.

SMBPVA.., SMBPVA..A, SMBPVA..AB

(All measurements in mm)

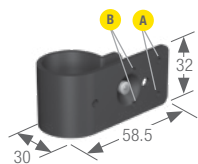


Models	DIP Switch Access	Light Protected	Length (L)	Used With
SMBPVA5	Yes	No		
SMBPVA5A	Yes	Yes	139.7	PVA100
SMBPVA5AB	No	Yes		
SMBPVA10	Yes	No		
SMBPVA10A	Yes	Yes	268.2	PVA225
SMBPVA10AB	No	Yes		
SMBPVA13	Yes	No		
SMBPVA13A	Yes	Yes	343.3	PVA300
SMBPVA13AB	No	Yes		
SMBPVA16	Yes	No		
SMBPVA16A	Yes	Yes	418.2	PVA375
SMBPVA16AB	No	Yes		

- Pair of brackets protects sensor from impact; provides DIP-switch and/or indicator light exposure (depending on model)
- Heavy-duty cold-rolled steel-zinc finish
- May be used with SMBPVA..C for mounting to SMBPVA7 or SMBPVA8 brackets

Used with:
PVA (see chart)
SMBPVA..2
SMBPVA..7*
SMBPVA..8*
SMBPVA..C bracket

* Protective bracket must be mounted to a SMBPVA..C bracket.

SMBPVA6 (All measurements in mm)

Hole center spacing:

A, **B**, **A** to **B** = 18

Hole size:

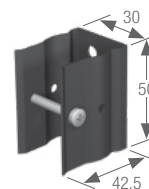
A = $\varnothing$ 3.2

- Set of 4 molded brackets
- Brackets clamp onto 28 mm pipe
- Request data sheet p/n 64900 for more information

Used with:
PVA
PVD

EZ-LIGHT TL30F
SMBPVA..

SMBPVA..
SMBPVA..AB
SMBPVD..
SMBPVD..AB

SMBPVA7 (All measurements in mm)

Hole center spacing:

N/A

Hole size:

N/A

- One-piece bracket for mounting to 28 mm diameter pipe
- Black-painted steel
- Requires SMBPVA..C for mounting at an angle $\pm 90^\circ$

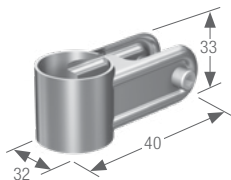
Used with:
PVA*
PVD*

SMBPVA5C
SMBPVA10C

* Sensor must be mounted to SMBPVA..C bracket. (sold separately)

SMBPVA8

(All measurements in mm)



Hole center spacing:

N/A

Hole size:

N/A

- Heavy-duty 2-part bracket mounts to 28 mm diameter pipe
- Cold-rolled steel with zinc finish
- Requires SMBPVA..C for mounting

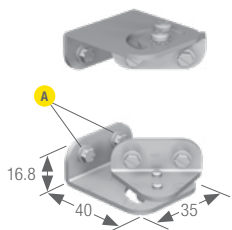
Used with:
PVA*
PVD*

SMBPVA5C
SMBPVA10C

* Sensor must be mounted to SMBPVA..C bracket. (sold separately)

SMBPVA9

(All measurements in mm)



Hole center spacing:

A = 18

Hole size:

A = Ø 5

- Pair of 2-piece swivel brackets
- Mount directly to sensor or to PVD/PVA protective brackets
- Designed for mounting sensor to "look down"

Used with:
PVA
PVD

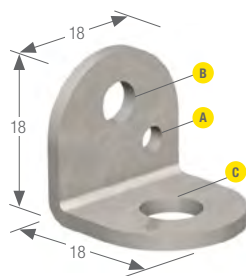
EZ-LIGHT TL30F
SMBPVA...

SMBPVA..A
SMBPVA...AB

SMBPVD...A
SMBPVD...AB

SMBPVL1

(All measurements in mm)



Hole center spacing:

NA

Hole size:

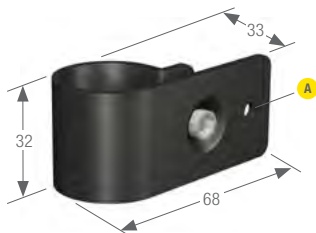
A = Ø 3, B = Ø 4.8, C = Ø 7

- 14 gauge cold rolled steel
- Right-angle bracket for mounting the pick-to-light array

Used with:
PVL225
PLV500

SMBPVL4

(All measurements in mm)



Hole center spacing:

NA

Hole size:

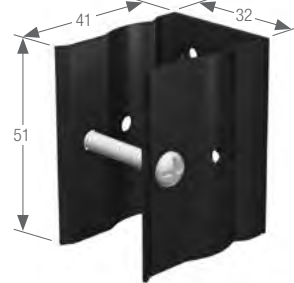
A = Ø M6 x 1

- Painted cold rolled steel
- 28 mm tubular mount bracket for mounting outside bin
- Clearance for M6 (1/4 in) hardware

Used with:
PVL225
PLV500

SMBPVL5

(All measurements in mm)



Hole center spacing:

NA

Hole size:

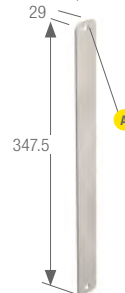
NA

- Painted cold rolled steel
- 28 mm tubular mount bracket for mounting inside bin
- Clearance for M6 (1/4 in) hardware

Used with:
PVL225
PLV500

SMBPVL2-225

(All measurements in mm)



Hole center spacing:

A = 331.5

Hole size:

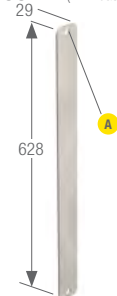
A = Ø 7

- 14 gauge cold rolled steel
- Flat bracket for mounting reflector inside bin
- Includes retroreflective tape

Used with:
PVL225

SMBPVL2-500

(All measurements in mm)



Hole center spacing:

Hole size:

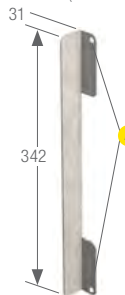
A = Ø 7

- 14 gauge cold rolled steel
- Flat bracket for mounting reflector inside bin
- Includes retroreflective tape

Used with:
PLV500

SMBPVL3-225

(All measurements in mm)



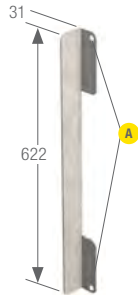
Hole center spacing:

Hole size:

A = Ø 7

- 14 gauge cold rolled steel
- Right-angle bracket for mounting reflector outside bin
- Includes retroreflective tape

Used with:
PVL225

SMBPVL3-500 (All measurements in mm)

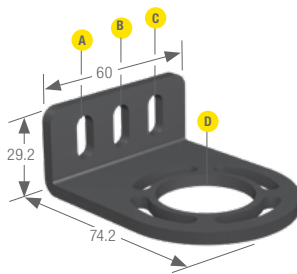
Hole center spacing:

Hole size:

A = $\varnothing 7$

- 14 gauge cold rolled steel
- Right-angle bracket for mounting reflector outside bin
- Includes retroreflective tape

Used with:
PLV500

EZA-MBK-1 (All measurements in mm)

Hole center spacing:

A to B = 15.8, A to C = 31.5

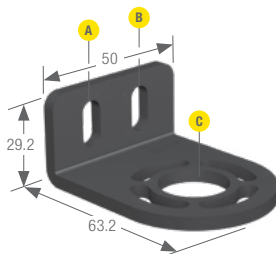
Hole size:

A, B, C = 15 x 7,

D = $\varnothing 32$

- Two end-cap replacement brackets for one emitter/receiver
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- M5 and M6 mounting hardware

Used with:
EZ-SCREEN Point & Grid

EZA-MBK-11 (All measurements in mm)

Hole center spacing:

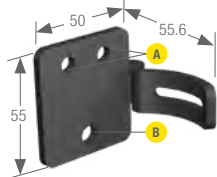
A to B = 20

Hole size:

A, B = 15 x 7, C = $\varnothing 21.5$

- Two end-cap replacement brackets for one emitter/receiver
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- M5 and M6 mounting hardware

Used with:
EZ-ARRAY
EZ-SCREEN Standard 14 & 30 mm

EZA-MBK-12 (All measurements in mm)

Hole center spacing:

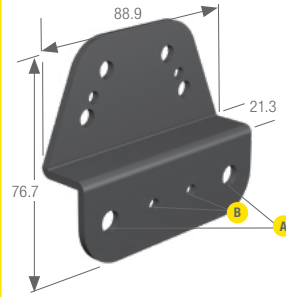
A = 20, A to B = 36

Hole size:

A = $\varnothing 7$, B = $\varnothing 8.3$

- Two-piece center bracket for one emitter/receiver
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- M5 and M6 mounting hardware

Used with:
EZ-ARRAY
EZ-SCREEN Standard 14 & 30 mm

EZA-MBK-2 (All measurements in mm)

Hole center spacing:

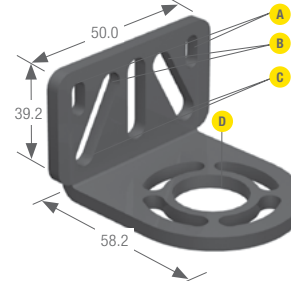
A = 63.9, B = 19.9, A to B = 22

Hole size:

A = $\varnothing 8.3$, B = $\varnothing 4.8$

- Bracket adapter (Qty 2) for attaching EZA-MBK-1 to any MSA series stand

Used with:
EZ-SCREEN Point & Grid
MSA Stands

EZA-MBK-20 (All measurements in mm)

Hole center spacing:

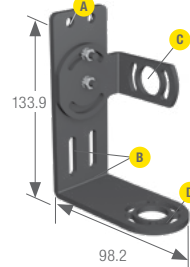
A = 44.4, B = 20, C = 40

Hole size:

A = 10.2 x 4.8, B, C = 25 x 7, D = $\varnothing 21.5$

- Two-bracket kit for one sensor
- Adapter brackets for mounting to engineered/slotted aluminum framing such as 80/20™ and Unistrut™
- Order EZA-MBK-20U for bracket and M5 and M6 mounting hardware

Used with:
EZ-ARRAY
EZ-SCREEN Standard 14 & 30 mm
EZ-SCREEN Cascade 14 & 30 mm

EZA-MBK-21 (All measurements in mm)

Hole center spacing:

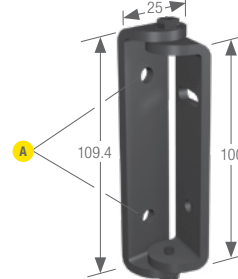
A = 20, B = 20, A to B = 101.4

Hole size:

A = $\varnothing 7$, B = 30 x 7.2, C, D = $\varnothing 21.5$

- Mounting bracket system for L configuration of two cascaded EZ-SCREEN light screens
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- M5 and M6 mounting hardware

Used with:
EZ-SCREEN Cascade 14 & 30 mm

EZA-MBK-3 (All measurements in mm)

Hole center spacing:

A = 65

Hole size:

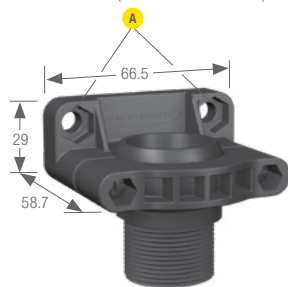
A = $\varnothing 7$

- Two-piece side-swivel bracket kit
- 180° range of motion
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish

Used with:
EZ-SCREEN Point & Grid

EZA-MBK-4

(All measurements in mm)



Hole center spacing:

A = 50.8

Hole size:

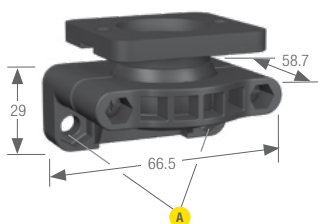
Ø 7

- Top-mounting kit with SMB30SC swivel bracket and threaded adapter
- 45° rotation in any direction
- Black reinforced thermoplastic polyester

Used with:
EZ-SCREEN Point

EZA-MBK-5

(All measurements in mm)



Hole center spacing:

A = 50.8

Hole size:

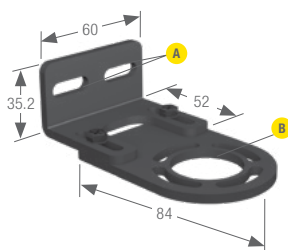
Ø 7

- Bottom-mounting kit with SMB30SC swivel bracket and threaded adapter plate
- 45° rotation in any direction
- Black reinforced thermoplastic polyester

Used with:
EZ-SCREEN Point

EZA-MBK-9

(All measurements in mm)



Hole center spacing:

A = 30.8

Hole size:

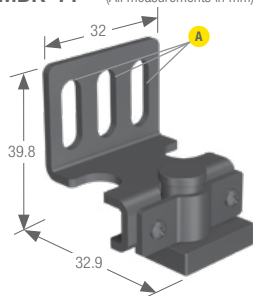
A = 21 x 7, **B** = Ø 32

- Two-bracket kit with 30 mm range of motion for mounting sensor
- 8-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- M5 and M6 mounting hardware

Used with:
EZ-SCREEN Grid & Point

LPA-MBK-11

(All measurements in mm)



Hole center spacing:

A = 10

Hole size:

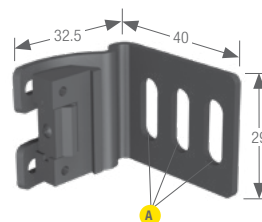
A = 5.5 x 15.5

End-cap bracket kit
360° sensor rotation
14-ga. (1.9 mm) steel, black zinc plated; die-cast metal clamp
Includes 2 brackets and hardware

Used with:
EZ-SCREEN LP 14 & 25 mm

LPA-MBK-12

(All measurements in mm)



Hole center spacing:

A = 10

Hole size:

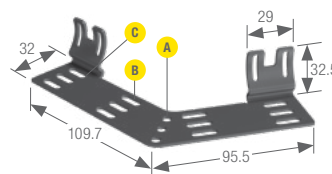
A = 15.5 x 5.5

- Side-mount bracket kit
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated; die-cast zinc clamp
- Includes 1 bracket and hardware

Used with:
EZ-SCREEN LP 14 & 25 mm

LPA-MBK-120

(All measurements in mm)



Hole center spacing:

A, **B**, **C** = 10, **B** to **C** = 50

Hole size:

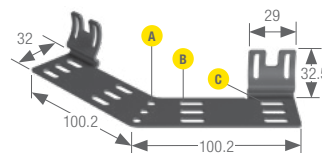
A = Ø 5.8, **B**, **C** = 15.5 x 5.5

- Pair of angled L brackets for two cascaded emitter/receiver pairs
- Fixed 120° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated

Used with:
EZ-SCREEN LP Cascade 14 & 25 mm

LPA-MBK-135

(All measurements in mm)



Hole center spacing:

A, **B**, **C** = 10, **B** to **C** = 50

Hole size:

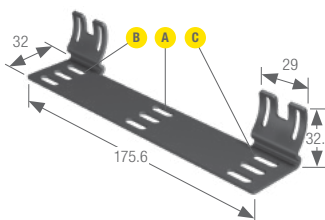
A = Ø 5.8, **B**, **C** = 15.5 x 5.5

- Pair of angled L brackets for two cascaded emitter/receiver pairs
- Fixed 135° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated

Used with:
EZ-SCREEN LP Cascade 14 & 25 mm

LPA-MBK-180

(All measurements in mm)



Hole center spacing:

A, **B**, **C** = 10, **A** to **B** = 73.3,

A to **C** = 73.3

Hole size:

A, **B**, **C** = 15.5 x 5.5

- Pair of inline (straight) brackets for two cascaded emitter/receiver pairs
- Fixed 180° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated

Used with:
EZ-SCREEN LP Cascade 14 & 25 mm

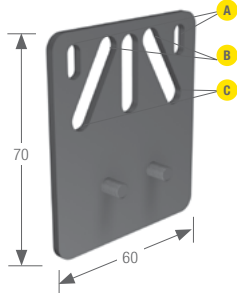
ACCESSORIES

BRACKETS

CORDSETS

RETROREFLECTORS

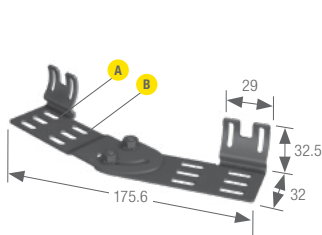
LPA-MBK-20 (All measurements in mm)



- Hole center spacing:
A = 44.5, **B** = 20, **C** = 40
 Hole size: **A** = 4.8 x 10.2, **B**, **C** = 7 x 26.8
- Universal adapter bracket for mounting to engineered/slotted aluminum framing (example, 80/20™, Bosch)
 - Use with LPA-MBK-11, -12 or -13
 - 12-ga. (2.66 mm) steel; black zinc plated
 - Includes 1 bracket and hardware

Used with:
EZ-SCREEN LP 14 & 25 mm

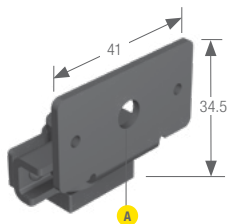
LPA-MBK-21 (All measurements in mm)



- Hole center spacing:
A, **B** = 10, **A** to **B** =
 Hole size: **A**, **B** = 15.5 x 5.5
- Pivoting "L" bracket system for two cascaded emitters/receivers; uses clamps from side-mount bracket LPA-MBK-12
 - Adjustable 90° to 180° orientation
 - +10°/-30° sensor rotation
 - 14-ga. (1.9 mm) steel, black zinc plated

Used with:
EZ-SCREEN LP Cascade 14 & 25 mm

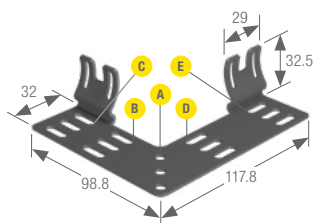
LPA-MBK-22 (All measurements in mm)



- Hole center spacing:
 Hole size: **A** = Ø 6.6
- End-cap bracket for mounting inside Unistrut® metal framing
 - Fits Unistrut® P1000 size (1 5/8"), with M6 or 1/4" channel nuts
 - 14-ga. (1.9 mm) steel, black zinc, plated; die-cast zinc clamp
 - Used with LPA-MBK-11
 - Includes 2 brackets and hardware (does not include Unistrut® channel nuts)

Used with:
EZ-SCREEN LP 14 & 25 mm

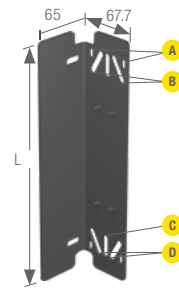
LPA-MBK-90 (All measurements in mm)



- Hole center spacing:
A, **B**, **C**, **D**, **E** = 10, **B** to **C** = 30, **D** to **E** = 50
 Hole size: **A** = Ø 5.8, **B**, **C**, **D**, **E** = 15.5 x 5.5
- Pair of angled L brackets for two cascaded emitter/receiver pairs
 - Fixed 90° orientation
 - +10°/-30° sensor rotation
 - 14-ga. (1.9 mm) steel, black zinc plated

Used with:
EZ-SCREEN LP Cascade 14 & 25 mm

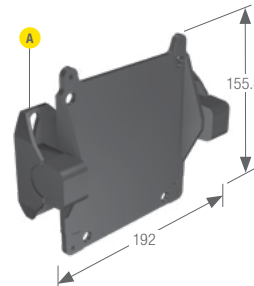
LPA-MBK-PXXX (All measurements in mm)



- Hole center spacing:
A = 44.5, **B** = 40, **D** = 18
 Hole size:
A = 4.8 x 10.2, **B** = 7 x 26.8, **C** = 7 x 25
- L-shaped protective bracket for one emitter/receiver
 - Sized to match emitter/receiver length; replace XXX in model number with emitter/receiver size (example, LPA-MBK-P270 for use with SLP.-270)
 - +10°/-30° sensor rotation
 - 12-ga. (2.66 mm) steel, black zinc plated or painted

Used with:
EZ-SCREEN LP 14 & 25 mm

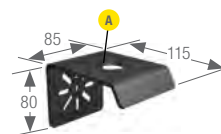
AG4-MBK1 (All measurements in mm)



- Hole center spacing:
A = 63
 Hole size:
 9 x 20.4
- Metal swivel bracket for mounting and aligning

Used with:
AG4 Laser Scanner

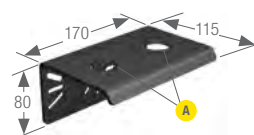
SSA-MBK-EEC1 (All measurements in mm)



- Hole center spacing:
 NA
 Hole size:
A = Ø 30.5
- Allows for horizontal and vertical (post) mounting
 - 8 gauge steel, black finish (zinc-plated)

Used with:
E-Stop Buttons

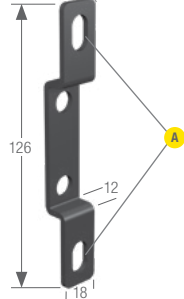
SSA-MBK-EEC2 (All measurements in mm)



- Hole center spacing:
A = 85
 Hole size:
A = Ø 30.5
- Allows for horizontal and vertical (post) mounting
 - 8 gauge steel, black finish (zinc-plated)

Used with:
E-Stop Buttons

STBA-RB1-MB1 (All measurements in mm)



Hole center spacing:

A = 106

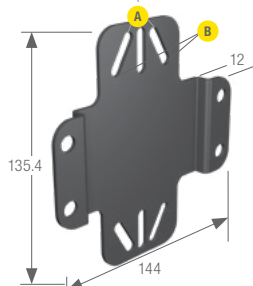
Hole size:

A = 9 x 15

- Pair of wall-mount brackets; run bar "hangs" on vertical surface
- Slotted holes for vertical adjustment
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

STBA-RB1-MB2 (All measurements in mm)



Hole center spacing:

A = 20, **B** = 40, **A** to **B** = 20

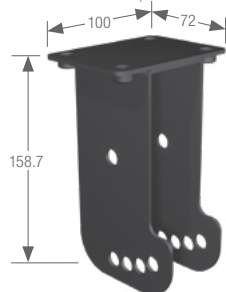
Hole size:

A, **B** = 27 x 7

- Universal-mount bracket; allows run bar to mount to vertical stand or surface
- Slotted holes for adjustment
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

STBA-RB1-MB3 (All measurements in mm)



Hole center spacing:

NA

Hole size:

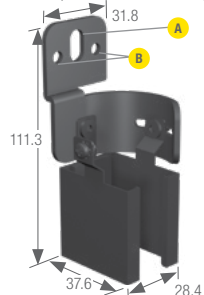
NA

- Swivel-mount bracket; mounts to telescoping stand
- Holes for radial adjustment, 0° to 30° in 10° increments
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

NOTE:
Included with telescoping stands
STBA-RB1-S1 and STBA-RB1-S2

USCMB-.. (All measurements in mm)



Hole center spacing:

B = 19.9, **A** to **B** = 10

Hole size:

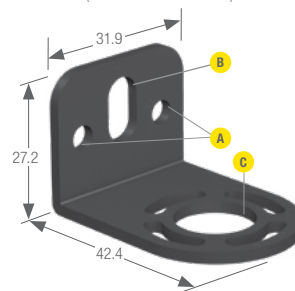
A = 12.2 x 7.1, **B** = $\varnothing$ 4.8

- Two-piece center mounting replacement kit for bracket that comes with emitter/receiver
- 13-ga. cold-rolled steel with black power coat paint
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

NOTE:
USCMB-1 fits emitters/receivers 600 to 900 mm long
USCMB-2 fits emitters/receivers 1050 mm and longer.

USMB-1 (All measurements in mm)



Hole center spacing:

A = 20, **A** to **B** = 10

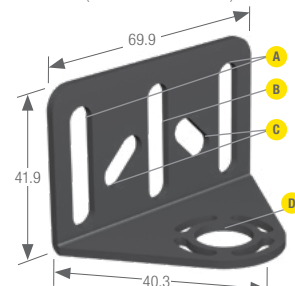
Hole size:

A = $\varnothing$ 4.8, **B** = 12.7 x 7, **C** = $\varnothing$ 15.2

- Two-bracket replacement kit for brackets that come with emitter/receiver
- 13-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

USMB-6 (All measurements in mm)



Hole center spacing:

A = 52.1, **A** to **B** = 26, **C** = 30.6

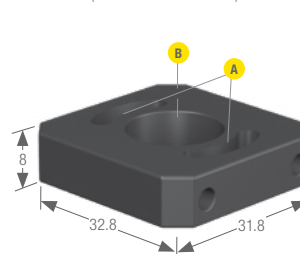
Hole size:

A, **B** = 25.4 x 7.1,
C = 15.5 x 7, **D** = $\varnothing$ 15.2

- Two-bracket universal-mounting surface kit
- 13-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

USMB-8 (All measurements in mm)



Hole center spacing:

A = 22.7

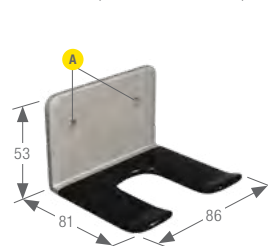
Hole size:

A = 15 x 3.5, **B** = $\varnothing$ 14.8

- Two-bracket kit for one emitter/receiver
- Mounting plate for 90° sensor direction
- Black anodized aluminum

Used with:
EZ-SCREEN Type 2

ED9Z-GH1 (All measurements in mm)



Hole center spacing:

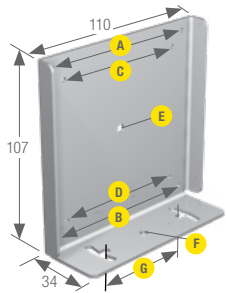
A = 50

Hole size:

A = $\varnothing$ 5.3

- Right-angle bracket for mounting switch to upright surface
- Stainless steel

Used with:
ED1G Enabling Devices

RMB100 (All measurements in mm)

Hole center spacing:

A, B, A to $B = 92$,
 C, D, C to $D = 77$, $B = 56$

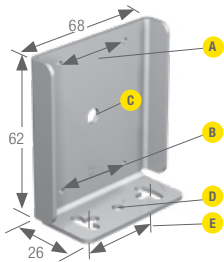
Hole size:

$A, B, C, D = \varnothing 0.5$,
 $E = \varnothing 4.8$, $F = \varnothing 4.5$, $G = 21.5 \times 4.5$

- Protective mounting bracket for retroreflective targets
- 14-ga. 316 stainless steel
- Stainless steel M3 x 0.5 hardware included

Used with:
 BRT-3
 BRT-84

BRT-77X77C
 BRT-92X92C
 BRT-92X92CB

RMB50 (All measurements in mm)

Hole center spacing:

$A, B = 34$, A to $B = 52$, $E = 26$

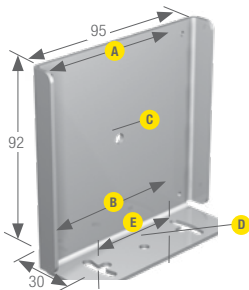
Hole size:

$A, B = \varnothing 0.5$, $C = \varnothing 6.3$, $D = \varnothing 4.5$,
 $E = 13.8 \times 4.5$

- Protective mounting bracket for retroreflective targets
- 14-ga. 316 stainless steel
- Stainless steel M3 x 0.5 hardware included

Used with:
 BRT-50D
 BRT-50R
 BRT-2X2

BRT-51X51BM
 BRT-60X40AF
 BRT-60X40C
 BRT-60X40IP69K

RMB85 (All measurements in mm)

Hole center spacing:

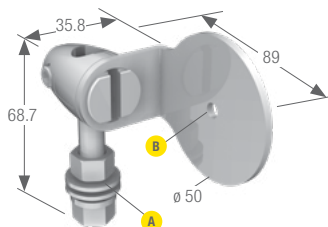
A, B, A to $B = 77$, $E = 46$

Hole size:

$A, B = \varnothing 0.5$, $C = \varnothing 4.8$, $D = \varnothing 4.5$,
 $E = 19 \times 4.5$

- Protective mounting bracket for retroreflective targets
- 14-ga. 316 stainless steel
- Stainless steel M3 x 0.5 hardware included

Used with:
 BRT-3
 BRT-77X77C

SMB50RFA.. (All measurements in mm)

Model	Bolt Thread (A)
SMB50RFA	3/8 - 16 x 2"
SMB50RFAM10	M10 - 1.5 x 50

Hole center spacing:

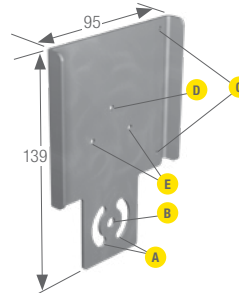
Hole size:

$B = 5.4$

- Swivel bracket with tilt and pan movement for precision adjustment
- Easy sensor mounting to extruded rail T-slots
- 50 mm diameter plate for mounting a reflector

Used with:
 BRT-35DM
 BRT-50D

BRT-42D
 BRT-34T

SMBAMSR85P (All measurements in mm)

Hole center spacing:

$A = 26$, $B = 13$, $C = 77$, $E = 30$

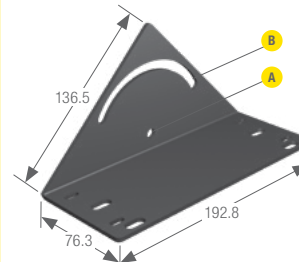
Hole size:

$A = 26.8 \times 7$, $B = \varnothing 6.5$,
 $C = 2.3$, $D = 3.2$, $E = 3.2$

- Flat SMBAMS series bracket for mounting reflectors
- Articulation slots for 90+° rotation
- 14-ga. 300 series stainless steel

Used with:
 BRT-3
 BRT-84

BRT-77X77C
 BRT-51X51BM

MSMB-MSM-45 (All measurements in mm)

Hole center spacing:

A to $B = 50.8$

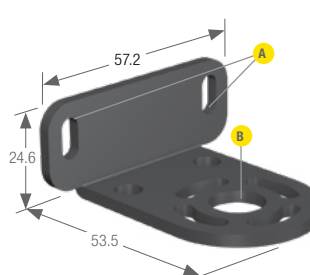
Hole size:

$A = \varnothing 7$, $B = 87.7 \times 7$

- Bracket for 45° mounting of mirror
- 11-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

Used with:
 MSM4A Mirror

NOTE:
 For a kit containing a bracket and MSM4A mirror, order model number MSA-MBM-K45

MSMMB (All measurements in mm)

Hole center spacing:

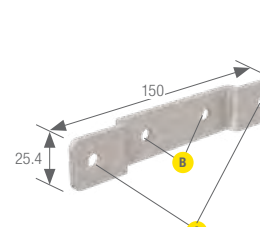
$A = 44.5$

Hole size:

$A = 10.2 \times 4.8$, $B = \varnothing 13.2$

- Replacement (pair) for brackets that come with MSM mirrors
- 11-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

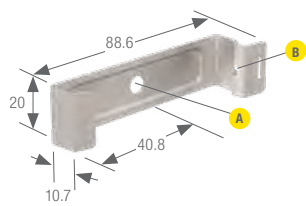
Used with:
 MSM Mirror

LMBWLB92 (All measurements in mm)Hole center spacing: $B = 45$, $A = 124.6$ Hole size: $A, B = 4 \times \varnothing 7.0$

- Stainless steel
- Surface mount
- Hardware included

Used with:
 WLB92

LMBWLB92-CLIP (All measurements in mm)

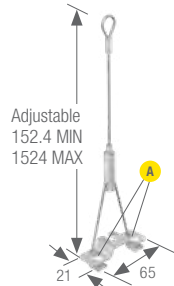


Hole center spacing: n/a
Hole size: **A** = $\varnothing 6.5$, **B** = 3.6×5.5

- Stainless steel
- Mounting Clip
- Hardware included

Used with:
WLB92

LMBWLB92HKS (All measurements in mm)

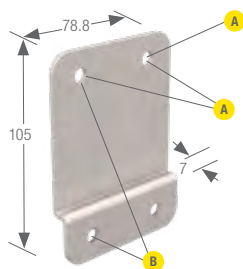


Hole center spacing: **A** = 45
Hole size: n/a

Hanging kit; 1.5 m (5 ft) cable with looped end
Galvanized Steel
Packaged 2 per kit
Hardware included

Used with:
WLB92

LMBWLB92S (All measurements in mm)

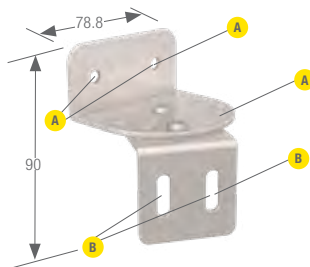


Hole center spacing: **A** = 45, **B** = 80
Hole size: **A** = $4 \times \varnothing 7$

Surface Mount; Set of two brackets for end of light
Stainless Steel
hardware included

Used with:
WLB92

LMBWLB92RAS (All measurements in mm)

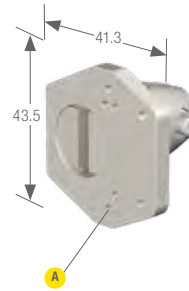


Hole center spacing: **A** = 45, **B** = 25
Hole size: **A** = $\varnothing 7$, **B** = 7×15

- Swivel Right Angle Mount; Pair of two swivel right-angle brackets
- Stainless Steel hardware included

Used with:
WLB92

SMBQ4XF. (All measurements in mm)



Hole center spacing:
Hole size:
A = $7 \times M3 \times 0.5$

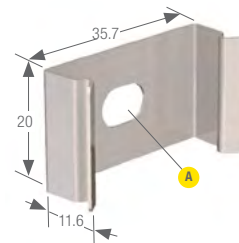
Model	Bolt Thread (A)
SMBQ4XFA	3/8 - 16 x 2 1/4"
SMBQ4XFAM10	M10 - 1.5 x 50
SMBQ4XFAM12	n/a; no bolt included. Mounts directly to 12 mm (1/2 in) rods

- 304 stainless steel bracket
- Swivel bracket with tilt and pan movement for precision adjustment
- Clamps on dia. 12mm rod (not included)

Used with:
Q3X
Q4X

QS18
QS30

LMBWLB32 (All measurements in mm)

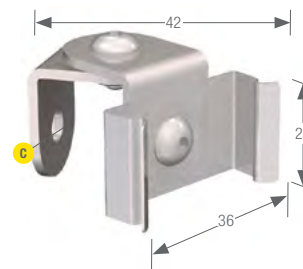


Hole center spacing: n/a
Hole size: **A** = $2 \times \varnothing 6.5$

Replaces bracket that ships with the WLB32 light
Stainless steel
Includes 4 snap clips, 4 screws, and

Used with:
WLB32

LMBWLB32-180S (All measurements in mm)

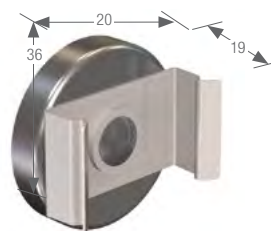


Hole center spacing: n/a
Hole size: **A** = $\varnothing 6.4$

- Swivel bracket kit allows 180° of movement
- Stainless steel

Used with:
WLB32

LMBLWB32MAG (All measurements in mm)



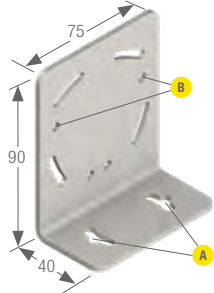
Hole center spacing: n/a
Hole size: n/a

- Magnet mounting bracket for easy attachment to steel or iron
- Stainless steel

Used with:
WLB32

SMBLTFL

(All measurements in mm)



Hole center spacing:
A = 45, B = 54.5

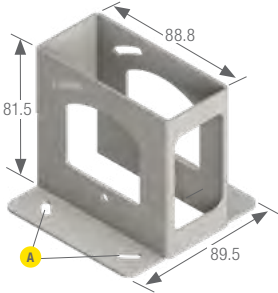
Hole size:
A = 6x Ø 4.5, B = 4x Ø 4.5

- Right-angle bracket
- 12-ga. stainless steel
- Hardware included

Used with:
LTF

SMBLTFU

(All measurements in mm)



Hole center spacing: A = 62.6

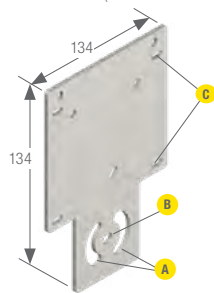
Hole size: A = 8x Ø5.0

- Protective bracket
- 12-ga. stainless steel
- Hardware included

Used with:
LTF

SMBAMSLTFP

(All measurements in mm)



Hole center spacing:
C = 67

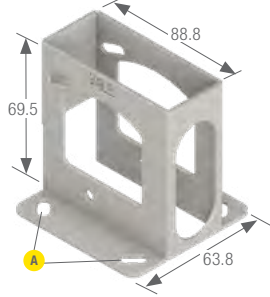
Hole size:
A = 26.8 x 7, B = Ø 6.5, C = 3.5

- 12-ga. stainless steel
- Articulated slots for 90+° rotation
- Hardware included

Used with:
LTF

SMBLEU

(All measurements in mm)



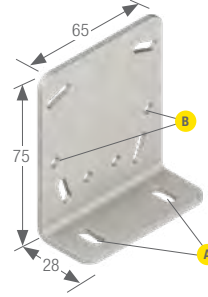
Hole center spacing: **A** = 48
Hole size: **A** = 8x $\varnothing$ 2.5

- Protective bracket
- 12-ga. stainless steel
- Hardware included

Used with:
LE

SMBLEL

(All measurements in mm)



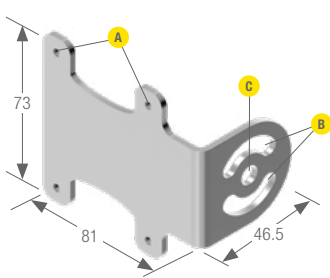
Hole center spacing:
A = 47, **B** = 50.8
Hole size:
A = 4x $\varnothing$ 5.7, **B** = 8x $\varnothing$ 4.5

- Right-angle bracket
- 12-ga. stainless steel
- Hardware included

Used with:
LE

SMBVERA

(All measurements in mm)



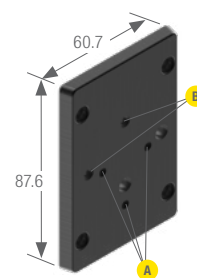
Hole center spacing:
A = 47, **B** = 25
Hole size:
A = 4x $\varnothing$ 4.5, **B** = 7 x 26, **C** = 1/4-20

- Right-angle bracket
- 12-ga. stainless steel
- M3 x 0.5 hardware included

Used with:
VE

SMBVEMP

(All measurements in mm)



Hole center spacing:
Hole size:
A = 3x 10-32 2B THRU
B = M8x 1.25 THRU

- Black ABS plastic
- Hardware included

Used with:
VE



Banner Cordset Selections

M8/Pico-Style

	3-Pin	page 760
	4-Pin	page 762
	6-Pin	page 763

M12/Euro-Style

	4-Pin	page 764
	5-Pin	page 766
	8-Pin	page 768
	12-Pin	page 775

M12/Micro-Style

	3-Pin	page 777
	4-Pin	page 777
	5-Pin	page 778

Mini-Style

	3-Pin	page 779
	4-Pin	page 779
	5-Pin	page 779
	8-Pin	page 780

Communication

	Communication	page 781
	Ethernet	page 783

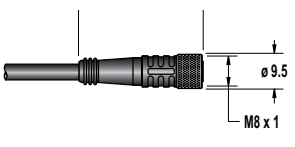
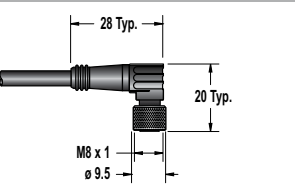
Washdown

	Washdown	page 784
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Miscellaneous

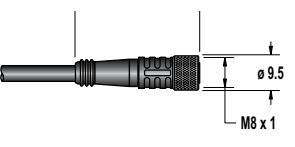
Unterminated Bulk Cable	page 786
Cable Glands	page 786
Field-Wireable Connectors	page 788

3-Pin Threaded M8/Pico-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		2.00 m	4.40 mm	PKG3M-2	Female  1 = Brown 3 = Blue 4 = Black
			5.00 m		PKG3M-5	
			7.00 m		PKG3M-7	
			9.00 m		PKG3M-9	
			10.0 m		PKG3M-10	
	Right-Angle		2.00 m	4.40 mm	PKW3M-2	
			5.00 m		PKW3M-5	
			9.00 m		PKW3M-9	

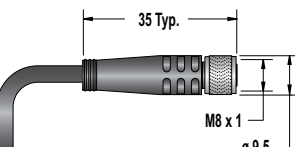
Used with: Q12, T8, SB12, VSM, VS1, VS2, VS3, SLM, IP68 Sealed Ring Light, On-axis Lights

3-Pin Threaded M8/Pico-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket and connector body Coupling Nut: Stainless steel Conductors: 24 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 4.0 A Temperature: -40 to +90 °C Environmental Rating: IP67	Straight		4.00 m	4.40 mm	PKGV3M-4	Female  1 = Brown 3 = Blue 4 = Black
			7.00 m		PKGV3M-7	
			10.0 m		PKGV3M-10	

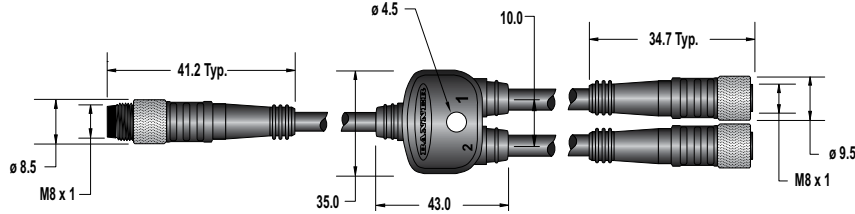
Used with: IP68 Sealed Ring Lights (stainless steel)

3-Pin Threaded/Snap M8/Pico-Style—Double-Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass (female) Nylon/nickel-plated brass (male) Conductors: 24 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		0.35 m	4.40 mm	PKG3M-.35-PSG3M	Female 
			2.00 m		PKG3M-2-PSG3M	Male  1 = Brown 3 = Blue 4 = Black

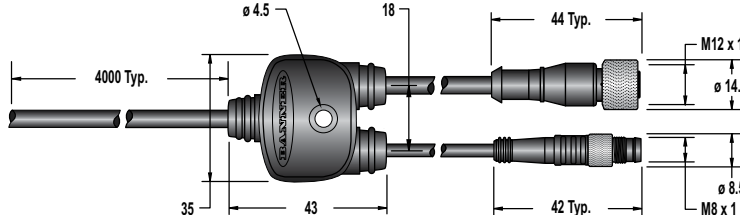
Used with: IP68 Sealed P4 (connect IP68 Sealed Ring Light to P4)

3-Pin Threaded M8/Pico-Style Splitter—Flat Junction

Specifications	Branches	Trunk	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass (female) Nylon/nickel-plated brass (male) Conductors: 24 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67 Wiring: Parallel wired Y-cords	3-Pin Pico QD 2 x 0.20 m Female	0.20 m Male	4.40 mm	CSB-M831M831	Female  Male  1 = Brown 3 = Blue 4 = Black
Dimensions (mm) 					

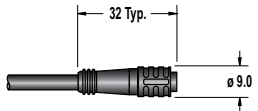
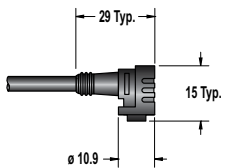
Used with: Connect P4 to two lights, Spot Lights, Area Lights, Backlights

3-Pin M8/Pico-Style and 4-Pin M12/Euro-Style to Flying Leads Splitter—Flat Junction

Specifications	Branches	Trunk	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG (3-pin) or 22 AWG (4-pin), gold-plated contacts Voltage/Current Rating: 250 V ac/ 300 V dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	3-Pin Pico QD 0.3 m Male 4-pin Euro QD 0.3 m Female	Flying Leads 4 m	4.40 mm (branches) 5.50 mm (trunk)	CSB-UNT213M831F1241	Female  1 = Brown 2 = White 3 = Blue 4 = Black Male  1 = NC 3 = Blue 4 = Black
Dimensions (mm) 					

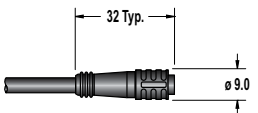
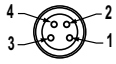
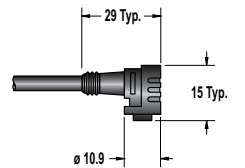
Used with: P4 to High Intensity Area Lights (to strobe from P4)

4-Pin Snap-on M8/Pico-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body, nylon coupling nut Coupling Nut: Nylon Conductors: 26 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 2.0 A Temperature: -40 to +90 °C Environmental Rating: IP67	Straight		2.00 m	3.20 mm	PKG4-2	Female  1 = Brown 2 = White 3 = Blue 4 = Black
	Right-Angle		2.00 m	3.20 mm	PKW4Z-2	

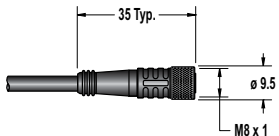
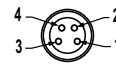
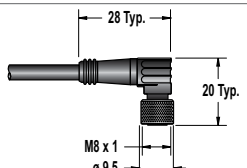
Used with: QS18 (Integral or Pigtail), Q20 (Integral or Pigtail), D12, D10A, DF-G1, S12

4-Pin Snap-On M8/Pico-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body, nylon or PUR coupling nut Coupling Nut: Nylon or PUR Conductors: 26 AWG (shielded), gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 2.0 A Temperature: -40 to +90 °C Environmental Rating: IP67	Straight		2.00 m	4.40 mm	PKG4S-2	Female  1 = Brown 2 = White 3 = Blue 4 = Black
	Right-Angle		2.00 m	4.40 mm	PKW4ZS-2	

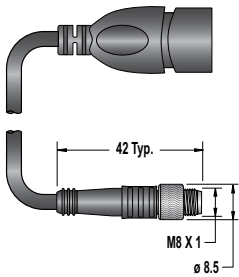
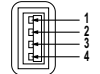
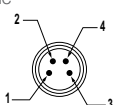
Used with: QS18U

4-Pin Threaded M8/Pico-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) body Coupling Nut: Nickel-plated brass Conductors: 26 AWG, gold-plated contacts Voltage/Current Rating: 125 V ac/dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		2.00 m	3.80 mm	PKG4M-2	Female  1 = Brown 2 = White 3 = Blue 4 = Black
			5.00 m		PKG4M-5	
			9.00 m		PKG4M-9	
	Right-Angle		2.00 m	4.30	PKW4M-2	
			5.00 m		PKW4M-5	
			9.00 m		PKW4M-9	

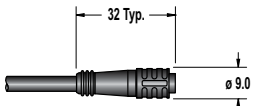
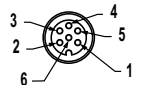
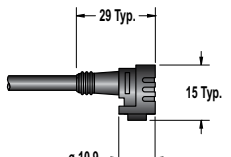
Used with: Q12, QS18 (Pigtail), Q20 (Pigtail), S12, QMH26, Q26, D12, DF-G1

4-Pin Threaded M8/Pico-Style to USB with Shield—Double-Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass on Pico QD end Conductors: 28 AWG and 24 AWG, gold-plated contacts Voltage/Current Rating: 60V ac/75V dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight Pico QD/USB		0.15 m	4.80 mm	PSG-4M-4005-USB	USB  1 = Red 3 = Green 2 = White 4 = Black Male  1 = Red 3 = Black 2 = White 4 = Green
			0.30 m		PSG-4M-401-USB	
			0.91 m		PSG-4M-403-USB	
			3.05 m		PSG-4M-410-USB	
			4.88 m		PSG-4M-416-USB	

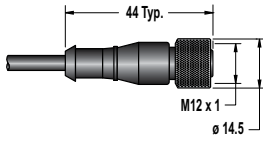
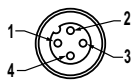
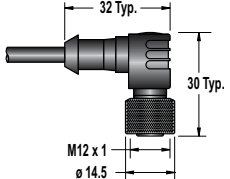
Used with: iVu TG & BCR — Remote Touch Screen models, iVu Plus

6-Pin Snap-On M8/Pico-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nylon or PUR Conductors: 26 AWG (shielded), gold-plated contacts Voltage/Current Rating: 125V ac/dc, 2.0 A Temperature: -40 to +90 °C Environmental Rating: IP67	Straight		2.00 m	4.70 mm	PKG6Z-2	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 6 = Pink
			9.00 m		PKG6Z-9	
	Right-Angle		2.00 m	4.70 mm	PKW6Z-2	
			9.00 m		PKW6Z-9	

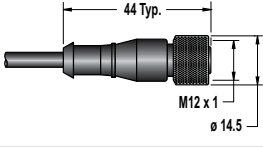
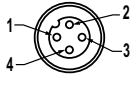
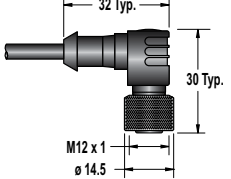
Used with: D10

4-Pin Threaded M12/Euro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67/IP69K	Straight		1.83 m	5.20 mm	MQDC-406	 Female 1 = Brown 2 = White 3 = Blue 4 = Black
			4.57 m		MQDC-415	
			9.14 m		MQDC-430	
			15.2 m		MQDC-450	
	Right-Angle		2.00 m	5.20 mm	MQDC-406RA-2	
			5.00 m		MQDC-415RA	
			9.00 m		MQDC-430RA	
					MQDC-450RA	

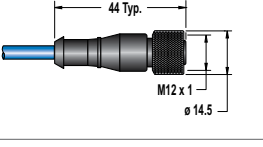
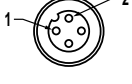
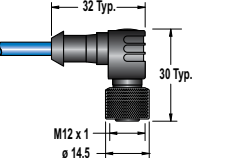
Used with: Q12, M12, QS18, Q20, OMNI-BEAM (QDH suffix), Q45 dc sensors (Q5 suffix), MINI-BEAM dc, SM312 sensors, S18, M18, T18, Q25, S30, T30, Q40, TM18/TM18 Expert, QM42/QMT42, QL50/QL51, SLM, R58A, T18U, TL50/TL30F, K5, K80, PVA/PVL, VTB, STB with solid-state relay, EZ-LIGHT, WL50, WLS28-2, QM26, Q26, DF-G1, WLA, WLC60, WLC90, E-Stops w/ Q4 suffix

4-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated Coupling Nut: Nickel-plated brass Conductors: 22 AWG (shielded), gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.20 mm	MQDEC2-406	Female  1 = Brown 2 = White 3 = Blue 4 = Black
			4.57 m		MQDEC2-415	
			9.14 m		MQDEC2-430	
	Right-Angle		1.83 m	5.20 mm	MQDEC2-406RA	
			4.57 m		MQDEC2-415RA	
			9.14 m		MQDEC2-430RA	

Used with: QS18U, T30UX

4-Pin Threaded M12/Euro-Style (for use with NAMUR sensors)

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 20 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.20 mm	MQD9-406	Female  1 = Brown 2 = Blue
			4.57 m		MQD9-415	
			9.14 m		MQD9-430	
	Right-Angle		1.83 m	5.20 mm	MQD9-406RA	
			4.57 m		MQD9-415RA	
			9.14 m		MQD9-430RA	

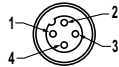
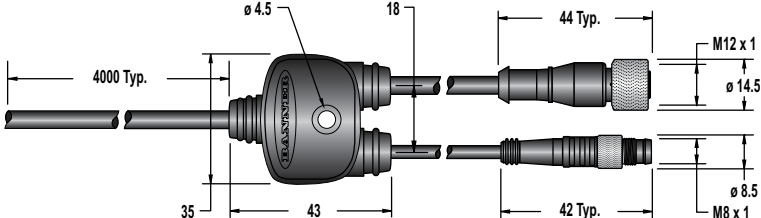
Used with: MINI-BEAM & Q45 NAMUR sensors

4-Pin Threaded M12/Euro-Style—Double-Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		0.31 m	5.90 mm	MQDEC-401SS	Female
			0.91 m		MQDEC-403SS	
			1.83 m		MQDEC-406SS	
			3.66 m		MQDEC-412SS	
			6.10 m		MQDEC-420SS	
			9.14 m		MQDEC-430SS	
			15.2 m		MQDEC-450SS	
	Right-Angle		0.91 m	5.90 mm	MQDEC-403RS	Male
			1.83 m		MQDEC-406RS	
			3.66 m		MQDEC-412RS	
			6.10 m		MQDEC-420RS	
			9.14 m		MQDEC-430RS	
			15.2 m		MQDEC-450RS	
						1 = Brown 2 = White 3 = Blue 4 = Black

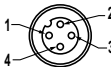
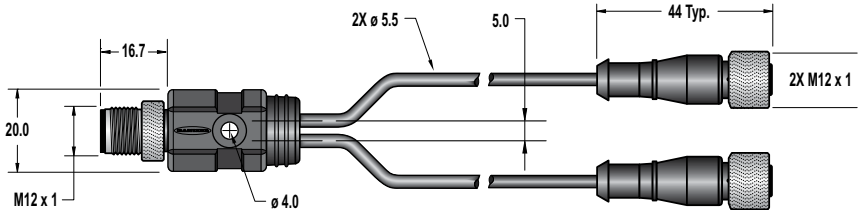
Used with: M12, QS18, Q20, OMNI-BEAM (QDH suffix), Q45 dc sensors (Q5 suffix), MINI-BEAM dc, SM312 sensors, S18, M18, T18, Q25, S30, T30, Q40, QM42/QMT42, SLM, R58A, T18U, TL50, TL30F, K50, K80, PVA/PVL, VTB and STB, EZ-LIGHT, WL50, WLS28-2, QM26, Q26, DF-G1, WLA, WLC60/WLC90, QL50

4-Pin Threaded M12/Euro-Style Splitter—Flat Junction

Specifications	Branches(Female)	Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/ 300 V dc, 4.0A Temperature: -40 to +105 °C Environmental Rating: IP67 Wiring: Parallel wired Y-cord	No branch	No trunk	5.50 mm	CSB-M1240M1240	Female  Male  1 = Brown 2 = White 3 = Blue 4 = Black
	2 x 0.30 m	No trunk		CSB-M1240M1241	
		0.30 m		CSB-M1241M1241	
		2.50 m		CSB-M1248M1241	
		4.60 m		CSB-M12415M1241	
		7.60 m		CSB-M12425M1241	
		7.60 m		CSB-UNT425M1241	
		Unterminated			
Dimensions (mm)					
					

Used with: Sensors w/4-Pin Euro QD, EZ-LIGHT, DX80 (10 to 30 V dc), DX85, WLS28-2, WL50, WLA, WLC60, WLC90

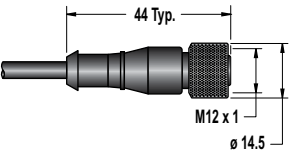
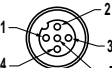
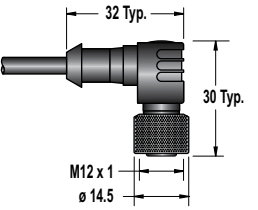
4-Pin Threaded M12/Euro-Style Splitter—Rounded Junction

Specifications	Branches(Female)	Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: nNickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0A Temperature: -40 to +105 °C Environmental Rating: IP67 Wiring: Parallel wired Y-cord	0.31 m	No trunk	5.50 mm	CSRB-M1240M1241	Female  Male  1 = Brown 2 = White 3 = Blue 4 = Black
	0.61 m			CSRB-M1240M1242	
	0.91 m			CSRB-M1240M1243	
	1.22 m			CSRB-M1240M1244	
Dimensions (mm)					
					

Used with: Sensors w/4-Pin Euro QD, EZ-LIGHT, DX80 (10 to 30 V dc), DX85, WLS28-2, WL50, WLA, WLC60, WLC90

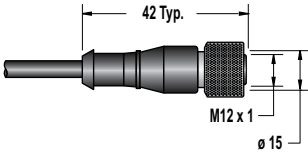
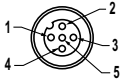
Specifications

5-Pin Threaded M12/Euro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		0.50 m	5.20 mm	MQDC1-501.5	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			1.83 m		MQDC1-506	
			4.57 m		MQDC1-515	
			9.14 m		MQDC1-530	
	Right-Angle		1.83 m	5.20 mm	MQDC1-506RA	
			4.57 m		MQDC1-515RA	
			9.14 m		MQDC1-530RA	

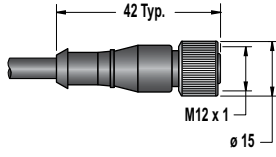
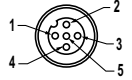
Used with: MINI-BEAM Expert, QS30, PicoDot, Q45 Laser Retro, R55F, SL30 & SL30E, SL10 & SL10E, VTB (2-color), QL56, Q60, PVD, STB, K50, K80, DX80, DX81, DX85, EZ-LIGHT, STB w/em relay, High-Intensity Area Lights, High-Intensity Ring Lights, Sealed Backlights, R58 Expert, QL56

5-Pin Threaded M12/Euro-Style

Cordset Specs	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 20 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	6.00 mm	MQDC20-506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			4.57 m		MQDC20-515	
			9.14 m		MQDC20-530	

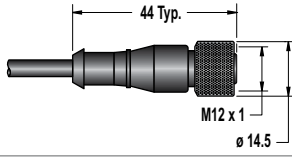
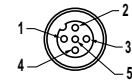
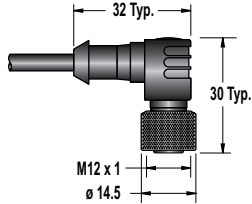
Used with: High Intensity Area Lights, High Intensity Ring Lights, Sealed Linear Array Lights, Sealed Backlights **NOTE:** Except stainless steel models

5-Pin Threaded M12/Euro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: 316 stainless steel Conductors: 20 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	6.00 mm	MQDC20SS-506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			4.57 m		MQDC20SS-515	
			9.14 m		MQDC20SS-530	

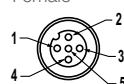
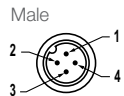
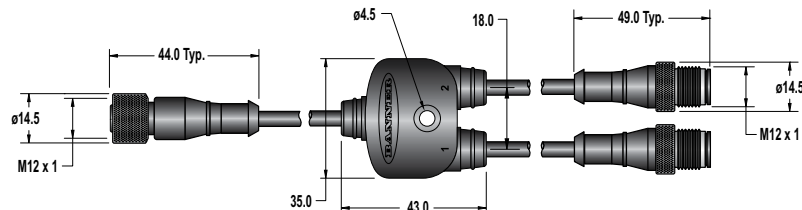
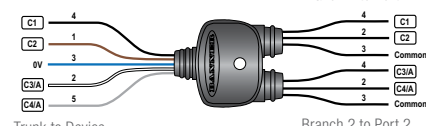
Used with: M25U, QM26

5-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: nickel-plated brass Conductors: 22 AWG (shielded), gold plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.60 mm	MQDEC2-506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			4.57 m		MQDEC2-515	
			9.14 m		MQDEC2-530	
			15.2 m		MQDEC2-550	
	Right-Angle		1.83 m	5.60 mm	MQDEC2-506RA	
			4.57 m		MQDEC2-515RA	
			9.14 m		MQDEC2-530RA	
			15.2 m		MQDEC2-550RA	

Used with: R58E, QT50U dc sensors, S18U, T30U, M25U, Q45U, Q45UR, LX, QT50R, Q120RA

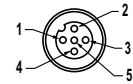
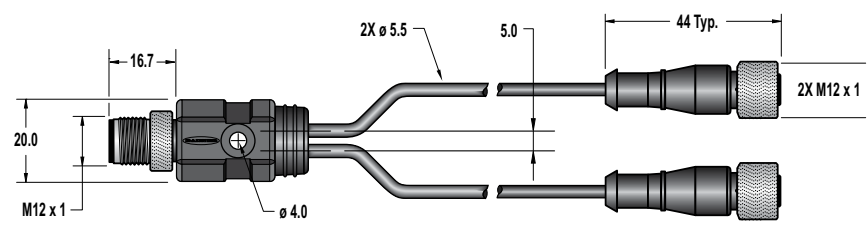
5-Pin Threaded M12/Euro-Style to 4-Pin Threaded M12/Euro Style Splitter—Flat Junction

Specifications	Branches(Male)	Trunk(Female)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	4-pin Euro QD 2 x 0.31 m	5-pin Euro QD 0.31 m	5.50 mm	CSF-M12F51M12M41	Female  Male 
Coupling Nut: Nickel-plated brass	Dimensions (mm)				
Conductor: 22 AWG, gold-plated contacts					
Voltage/Current Rating: 250 V ac/ 300 V dc, 4.0 A					
Temperature: -40 to +105 °C					
Environmental Rating: IP67					
Wiring: Combiner Y-cord					
	Branch 1 1 = NC 2 = Brown 3 = Blue 4 = Black	Branch 2 1 = NC 2 = Gray 3 = Blue 4 = White	Trunk 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray	 Branch 1 to Port 1 Trunk to Device Branch 2 to Port 2	

Used with: 3- or 4-Segmented EZ-LIGHT, 3- or 4-function TL50 Tower Lights

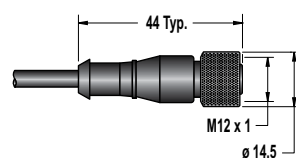
NOTE: Use to connect device to a "2-output" I/O block

5-Pin Threaded M12/Euro-Style Splitter—Rounded Junction

Specifications	Branches(Female)		Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	Branch 1 0.14 m	Branch 2 0.22 m	No trunk	5.60 mm	CSRB-M1250M125.47M125.73	Female
Coupling Nut: Nickel-plated brass	Dimensions (mm)					
Conductor: 22 AWG, gold-plated contacts						
Voltage/Current Rating: 60 V ac/ 75 V dc, 2.0 A						Male
Temperature: -40 to +105 °C						1 = Brown
Environmental Rating: IP67						2 = White
Wiring: Parallel wired Y-cord						3 = Blue
						4 = Black
						5 = Green/Yellow

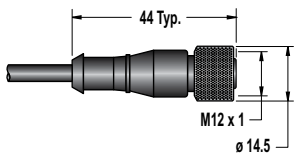
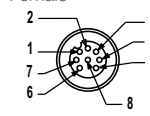
Used with: EZ-LIGHTs w/5-Pin Euro QD, DX80 (FlexPower), LX

8-Pin Threaded M12/Euro-Style with Shield

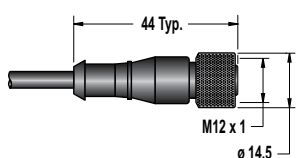
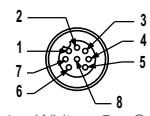
Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		1.83 m	5.60 mm	MQDC-806	Female  1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Shield
Coupling Nut: Nickel-plated brass			4.58 m		MQDC-815	
Conductors: 24 AWG (shielded), gold-plated contacts			9.14 m		MQDC-830	
Voltage/Current Rating: 75 V ac/dc, 2.0 A						
Temperature: -40 to +105 °C						
Environmental Rating: IP67						

Used with: LT3, LG5, LG10

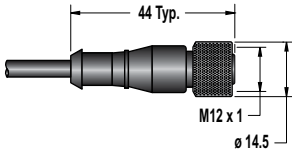
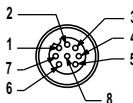
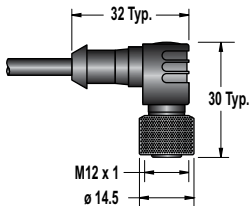
8-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		1.83 m	5.60 mm	MAQDC-806	Female  1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red
Coupling Nut: Nickel-plated brass			4.58 m		MAQDC-815	
Conductors: 24 AWG (shielded), gold-plated contacts			9.14 m		MAQDC-830	
Voltage/Current Rating: 75 V ac/dc, 2.0 A			15.2 m		MAQDC-850	
Temperature: -40 to +105 °C						
Environmental Rating: IP67						
Used with: EZ-ARRAY, Emitters/Receivers						

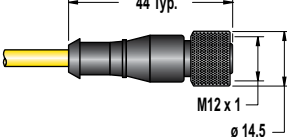
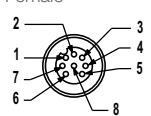
8-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout	
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		1.83 m	6.00 mm	MQLH-806-F	Female  1 = White 5 = Gray 2 = Brown 6 = Green 3 = Shield 7 = Blue 4 = Yellow 8 = Shield	
Coupling Nut: Nickel-plated brass			4.58 m		MQLH-815-F		
Conductors: 24 AWG (shielded), gold-plated contacts			9.14 m		MQLH-830-F		
Voltage/Current Rating: 75 V ac/dc, 2.0 A							
Temperature: -40 to +105 °C							
Environmental Rating: IP67							
Used with: LH							

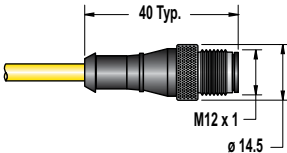
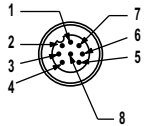
8-Pin Threaded M12/Euro-Style with Open-Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG (shielded), gold-plated contacts Voltage/Current Rating: 75 V ac/dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.60 mm	MQDC2S-806	Female  2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
			4.57 m		MQDC2S-815	
			9.14 m		MQDC2S-830	
			15.2 m		MQDC2S-850	
	Right-Angle		1.83 m	5.60 mm	MQDC2S-806RA	1 = White
			4.57 m		MQDC2S-815RA	2 = Brown
			9.14 m		MQDC2S-830RA	3 = Green
			15.2 m		MQDC2S-850RA	4 = Yellow
Used with: QC50, QCX50, EZ-LIGHT, iVu TG—Integrated Touch Screen models, E-Stops w/Q8 suffix						

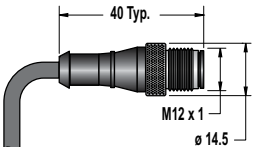
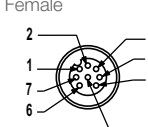
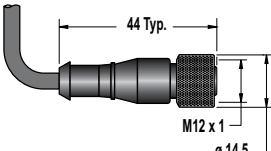
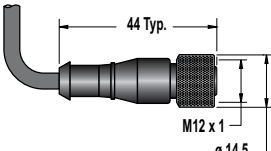
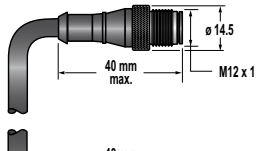
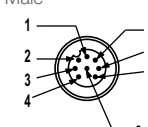
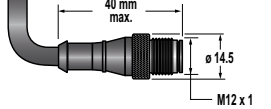
8-Pin Threaded M12/Euro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		4.57 m	6.00 mm	QDE-815D	Female  1 = Brown 5 = Black 2 = Or/Bl 6 = Blue 3 = Orange 7 = Gn/Ye 4 = White 8 = Violet
Coupling Nut: Nickel-plated brass			7.62 m		QDE-825D	
Conductors: 22 AWG, gold-plated contacts			15.3 m		QDE-850D	
Voltage/Current Rating: 75 V ac/dc, 2.0 A			22.9 m		QDE-875D	
Temperature: -40 to +105 °C			30.5 m		QDE-8100D	
Environmental Rating: IP67						
Used with: EZ-SCREEN w/8-pin QD (14 & 30 mm Resolution), EZ-SCREEN LP w/8-pin QD, (14 & 25 mm Resolution), EZ-SCREEN w/8-pin QD (Point & Grid), EZ-SCREEN Type 2						

8-Pin Threaded M12/Euro-Style Cordsets

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		4.57 m	5.50 mm	QDE2R4-815D	Male  1 = Brown 5 = Blue 2 = Not Used 6 = Not Used 3 = Not Used 7 = Not Used 4 = Black 8 = White
Coupling Nut: Nickel-plated brass			7.62 m		QDE2R4-825D	
Conductors: 22 AWG, gold-plated contacts			15.2 m		QDE2R4-850D	
Voltage/Current Rating: 60 V ac 75 V dc, 2.0 A						
Temperature: -40 to +105 °C						
Environmental Rating: IP67						
Used with: EZ-SCREEN Receiver (Cascade) CSSI QD (14 & 30 mm), EZ-SCREEN LP Receiver (Cascade) CSSI QD and a DELPEF-810 (14 & 25 mm)						
NOTE: For connection of E-Stop or other hard/relay contacts.						

8-Pin Threaded M12/Euro-Style with Shield—Double-Ended

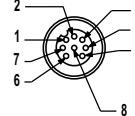
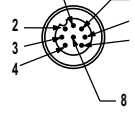
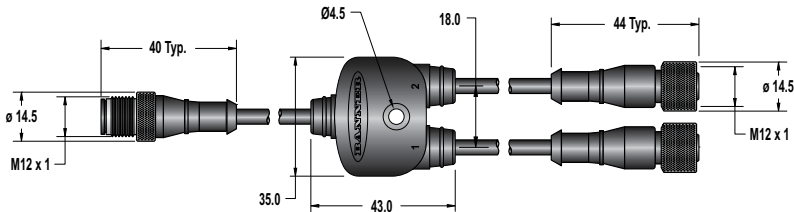
Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG (shielded), gold-plated contacts Voltage/Current Rating: 60 V ac/ 75 V dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Male Straight/ Female Straight		1.83 m	6.00 mm	MQLH-806-MF	Female  1 = White 5 = Gray 2 = Brown 6 = Green 3 = Shield 7 = Blue 4 = Yellow 8 = Shield
			4.57 m		MQLH-815-MF	
			9.14 m		MQLH-830-MF	
	Male Straight/ Male Straight		0.30 m	6.00 mm	MQLH-801-MM	Male  1 = White 5 = Gray 2 = Brown 6 = Green 3 = Shield 7 = Blue 4 = Yellow 8 = Shield
						

8-Pin Threaded M12/Euro-Style—Double-Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model*	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP68	Female Straight/ Male Straight		0.31 m	6.00 mm	8-pin/8-pin	8-Pin Female to 5-Pin Male 1 ↔ 1 2 ↔ 2 3 ↔ 3 4 ↔ 4 5 ↔ 5 6 ↔ 6 7 ↔ 7 8 ↔ 8
			0.91 m		DEE2R-81D	
			2.44 m		DEE2R-83D	
			4.57 m		DEE2R-88D	
			7.62 m		DEE2R-815D	
			15.2 m		DEE2R-825D	
			22.9 m		DEE2R-825D	
			30.5 m		DEE2R-850D	
					DEE2R-875D	
					DEE2R-8100D	

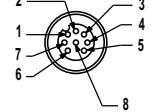
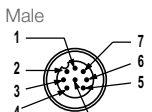
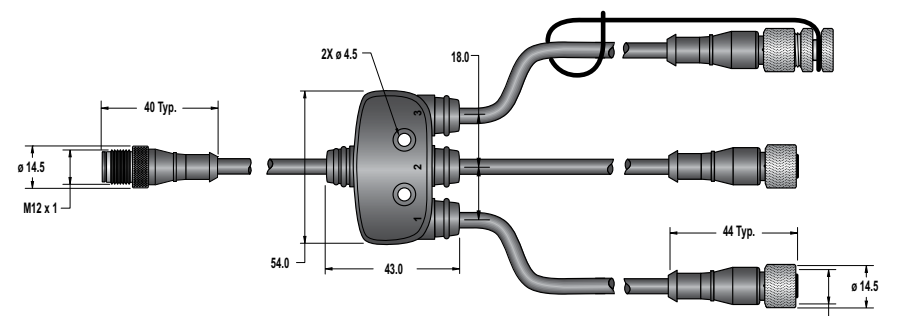
Used with: EZ-SCREEN w/8-pin QD (14 & 30 mm Resolution), EZ-SCREEN LP w/8-pin QD, (14 & 25 mm Resolution), EZ-SCREEN w/8-pin QD, (Point & Grid), EZ-SCREEN Type 2 (DEE2R only), AC Interface Boxes (DEE2R only), E-Stops 8-pin QD w/Q8 suffix

8-Pin Threaded M12/Euro-Style Splitter with Shield—Flat Junction

Specifications	Branches(Female)	Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: nickel-plated brass Conductors: 24 AWG (shielded), gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: -40 to +80 °C Environmental Rating: IP67 Wiring: Parallel wired Y-cord	No branches	No trunk	6.00 mm	CSB-M1280M1280-LH	Female  Male  1 = White 5 = Gray 2 = Brown 6 = Green 3 = Shield 7 = Blue 4 = Yellow 8 = Shield
	0.60 m	0.30 m		CSB-M1281M1282-LH	
	Dimensions (mm)				
					

Used with: LH

8-Pin Threaded M12/Euro-Style Splitter with Shield—Flat Junction

Specifications	Branches(Female)	Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body	0.60 m	0.30 m	6.00 mm	CSB3-M1281M1282-LH	Female  Male  1 = White 5 = Gray 2 = Brown 6 = Green 3 = Shield 7 = Blue 4 = Yellow 8 = Shield
Coupling Nut: nickel-plated brass	Dimensions (mm)				
Conductors: 24 AWG (shielded), gold-plated contacts					
Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A					
Temperature: -40 to +80 °C					
Environmental Rating: IP67					
Wiring: Parallel wired Y-cord					

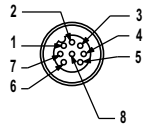
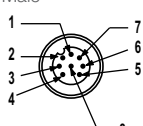
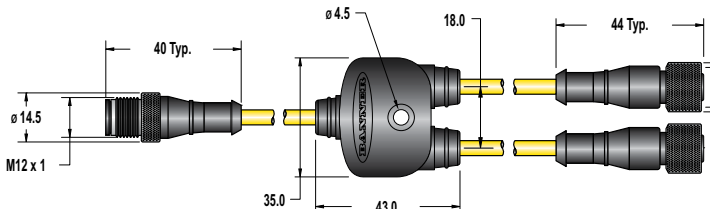
Used with: LH

* Standard cordsets are yellow PVC with black overmold. For black PVC and overmold, add suffix B to model number (example, DEE2R-81DB).

** For connection to safety BUS gateway/node, a "smart" self-monitored safety module, safety controller or safety PLC.

† DEE8-4..D do not have the pin 5 GND/chassis connection. GND/chassis connection should be made via the mounting hardware.

8-Pin Threaded M12/Euro-Style Splitter Cordsets—Flat Junction

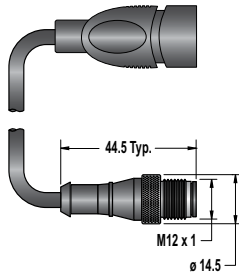
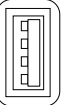
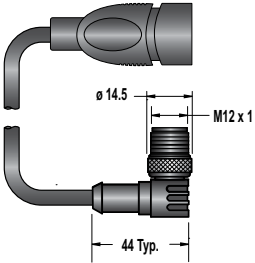
Specifications	Branches(Female)	Trunk(Male)	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP68 Wiring: Parallel wired Y-cord	No branches	No trunk	6.00 mm	CSB-M1280M1280	Female  Male  1 = Brown 5 = Black 2 = Or/Bk 6 = Blue 3 = Orange 7 = Gn/Ye 4 = White 8 = Violet
	2 x 0.3 m	0.3 m		CSB-M1281M1281	
		2.5 m		CSB-M1288M1281	
		4.6 m		CSB-M12815M1281	
		7.6 m		CSB-M12825M1281	
		7.6 m		CSB-UNT825M1281*	
	Dimensions (mm)				
					

Used with: EZ-ARRAY, EZ-LIGHT Indicator Lights, EZ-SCREEN w/8-pin QD (14 & 30 mm Resolution), EZ-SCREEN LP w/8-pin QD (14 & 25 mm Resolution), EZ-SCREEN w/8-pin QD (Point & Grid), EZ-SCREEN Type 2, AC Interface Boxes

* Unterminated cordset is not compatible with the EZ-ARRAY

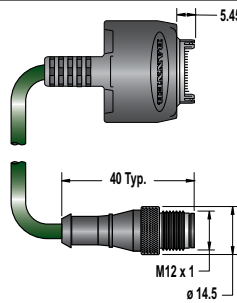
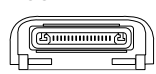
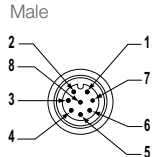
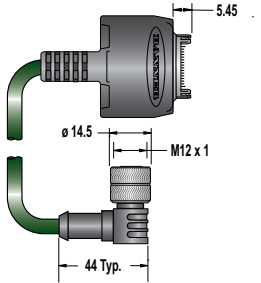
NOTE: Standard cordsets are yellow PVC with black overmold. For black PVC and overmold, add suffix B to model number (example, CSB-M1280M1280B).

8-Pin Threaded M12/Euro-Style to USB—Double Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass on Euro QD end Conductors: 28 AWG or 24 AWG, gold-plated contacts Voltage Rating: 60 V ac/75 V dc Temperature: -40 to +90 °C	Straight Euro QD/USB		0.15 m	4.80 mm	MQDEC-8005-USB	USB 
			0.30 m		MQDEC-801-USB	
			0.90 m		MQDEC-803-USB	
			3.00 m		MQDEC-810-USB	
	Right-Angle Euro QD/USB		0.15 m	4.80 mm	MQDEC-8005RA-USB	Male 
			0.30 m		MQDEC-801RA-USB	
			0.90 m		MQDEC-803RA-USB	
			3.00 m		MQDEC-810RA-USB	

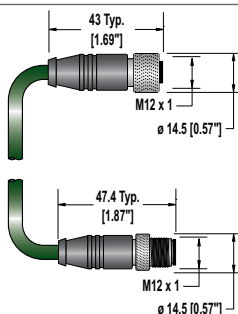
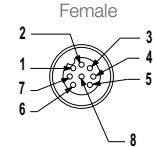
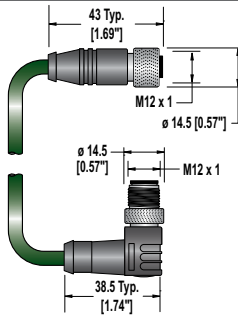
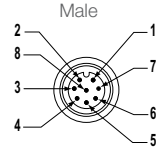
Used with: iVu TG & BCR— Integrated Touch Screen models

8-Pin Threaded M12/Euro-Style to Molex—Double Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: Euro, PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Molex: Nylon (polyamide)/PUR (polyurethane) Conductors: 24 AWG, gold-plated contacts Voltage Rating: 30 V ac/dc 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight Euro QD/ Molex		0.91 m	6.10 mm	IVURD-MX-803	 Molex  Male 1 = Orange 5 = Green 2 = Brown 6 = Blue 3 = Wh/Bn 7 = Wh/Or 4 = Wh/Bl 8 = Wh/Gn
			1.83 m		IVURD-MX-806	
			4.57 m		IVURD-MX-815	
			9.14 m		IVURD-MX-830	
			15.2 m		IVURD-MX-850	
	Right-Angle Euro QD/ Molex		0.91 m	6.10 mm	IVURD-MX-803RA	
			1.83 m		IVURD-MX-806RA	
			4.57 m		IVURD-MX-815RA	
			9.14 m		IVURD-MX-830RA	
			15.2 m		IVURD-MX-850RA	

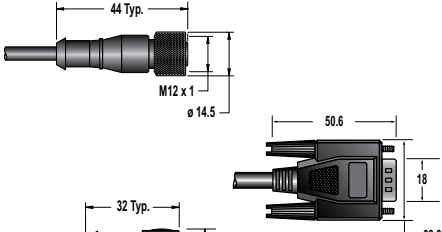
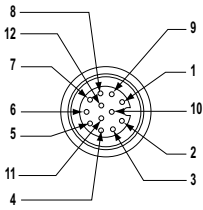
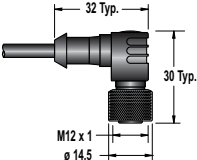
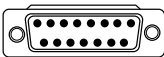
Used with: iVu RD35 remote display

8-Pin Threaded M12/Euro-Style—Double-Ended

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: Euro, PVC jacket, PUR (polyurethane) connector body Molex: Nylon (polyamide)/PUR (polyurethane) Coupling Nut: Nickel-plated brass Conductors: 24 AWG, gold-plated contacts Voltage Rating: 30 V ac/dc 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight Euro QD/ Straight Euro QD		0.91 m	6.10 mm	IVURDM-QD-803	 Female 1 = Wh/Or 5 = Wh/Bl 2 = Green 6 = Blue 3 = Wh/Bn 7 = Wh/Gn 4 = Orange 8 = Brown
			1.83 m		IVURDM-QD-806	
			4.57 m		IVURDM-QD-815	
			9.14 m		IVURDM-QD-830	
			15.2 m		IVURDM-QD-850	
	Straight Euro QD/ Right-Angle Euro QD		0.91 m	6.10 mm	IVURDM-QD-803RA	 Male 1 = Orange 5 = Green 2 = Brown 6 = Blue 3 = Wh/Bn 7 = Wh/Or 4 = Wh/Bl 8 = Wh/Gn
			1.83 m		IVURDM-QD-806RA	
			4.57 m		IVURDM-QD-815RA	
			9.14 m		IVURDM-QD-830RA	
			15.2 m		IVURDM-QD-850RA	

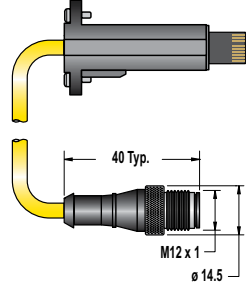
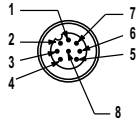
Used with: iVu RDM35 remote display

8-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG (shielded), gold-plated contacts Voltage/Current Rating: 75 V ac/dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight (High Flex)/ DB15		1.83 m	7.60 mm	PPC06SHF	Female 
			3.96 m		PPC13SHF	
			7.01 m		PPC23SHF	
			9.75 m		PPC32SHF	
	Right-Angle (High Flex)/ DB15		1.83 m	7.60 mm	PPC06SRAHF	Male 
			3.96 m		PPC13SRAHF	
			7.01 m		PPC23SRAHF	
			9.75 m		PPC32SRAHF	

Used with: Pro, Mini Pro, Sealed Pro

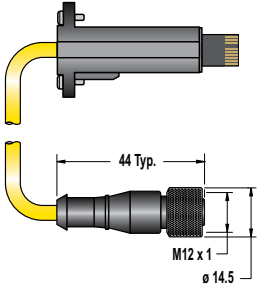
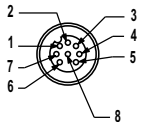
8-Pin Threaded M12/Euro-Style QD to RD

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: Euro: PVC jacket, PUR (polyurethane) connector body	RD/ Male Straight		0.31 m	6.00 mm	DELPE-81D	RD  Male  1 = Brown 5 = Black 2 = Or/Bk 6 = Blue 3 = Orange 7 = Gn/Ye 4 = White 8 = Violet
RD: Nylon (polyamide)/PUR (polyurethane) RD connector			0.91 m		DELPE-83D	
Coupling Nut: Nickel-plated brass			2.44 m		DELPE-88D	
Conductors: 22 AWG, gold-plated contacts			4.57 m		DELPE-815D	
Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A			7.62 m		DELPE-825D	
Temperature: 0 to +55 °C			15.2 m		DELPE-850D	
Environmental Rating: IP67			22.9 m		DELPE-875D	
			30.5 m		DELPE-8100D	

Used with: EZ-SCREEN LP w/RD (14 & 25 mm Resolution)

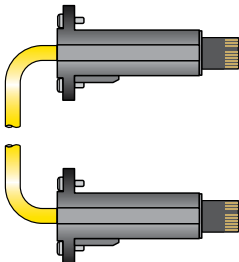
NOTE: Requires QDE-8...D, DEE2R-8...D, CSB-M128... or other M12/Euro QD cordset

8-Pin Threaded M12/Euro-Style QD to RD

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: Euro, PVC jacket, PVC connector body, RD: Nylon (polyamide)/PUR (polyurethane) RD connector Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: 0 to +55 °C Environmental Rating: IP67	RD/ Female Straight		0.31 m	6.00 mm	DELPEF-81D	RD 
0.91 m			DELPEF-83D		Female 	
2.44 m			DELPEF-88D		1 = Brown 5 = Black 2 = Or/Bk 6 = Blue 3 = Orange 7 = Gn/Ye 4 = White 8 = Violet	
4.57 m			DELPEF-815D			

Used with: EZ-SCREEN LP (Cascade) w/RD (14 & 25 mm); requires QDE2R4-8...D cordset or connection of E-Stop or other hard/relay contact; for connection to DEE2R-8...D or to EZ-SCREEN LP w/8-pin QD

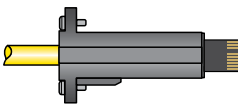
RD to RD

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, nylon (polyamide)/PUR (polyurethane) RD connector Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: 0 to +55 °C Environmental Rating: IP67	RD/RD		0.05 m	6.00 mm	DELP-110E	RD 
			0.30 m		DELP-111E	
			0.91 m		DELP-113E	
			2.44 m		DELP-118E	
			4.57 m		DELP-1115E	
			7.62 m		DELP-1125E	
			15.2 m		DELP-1150E	
			22.9 m		DELP-1175E	
			30.5 m		DELP-11100E	

Used with: EZ-SCREEN LP w/RD Cascading (14 & 25 mm Resolution)

* Standard cordsets are yellow PVC with black overmold. For black PVC cable and overmold, add suffix **B** to model number (example, **DELP-110EB**).

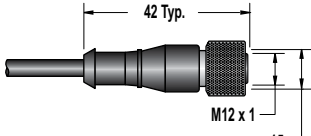
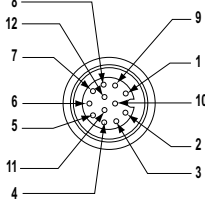
RD to Flying Lead

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model		Pinout
Cable: PVC jacket, nylon (polyamide)/PUR (polyurethane) RD connector Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A Temperature: 0 to +55 °C Environmental Rating: IP67	RD			6.00 mm	8-Wire	4-Wire [†]	RD 
			4.57 m		RDLP-815D	RDLP6G-415D	
			7.62 m		RDLP-825D	RDLP6G-425D	
			15.2 m		RDLP-850D	RDLP6G-450D	
			22.9 m		RDLP-875D	—	
30.5 m	RDLP-8100D	—					

Used with: EZ-SCREEN LP w/RD (14 & 25 mm Resolution)

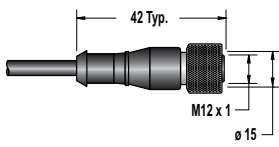
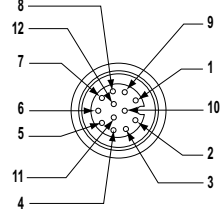
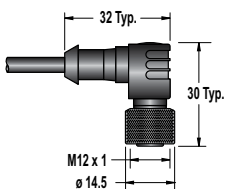
† For connection of E-Stop or other hard/relay contacts. See EZ-SCREEN installation manual p/n 140044 for more information.

12-Pin M12/Euro-Style with Open Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 20 and 24 AWG, gold-plated contacts Voltage Rating: 250 V ac/300 V dc Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	7.50 mm	MQDC2S-1206	Female  1 = White 7 = Blue 2 = Brown 8 = Red 3 = Green 9 = Orange 4 = Yellow 10 = Lt. Blue 5 = Gray 11 = Black 6 = Pink 12 = Violet
			4.57 m		MQDC2S-1215	
			9.14 m		MQDC2S-1230	
			15.2 m		MQDC2S-1250	
			22.9 m		MQDC2S-1275	

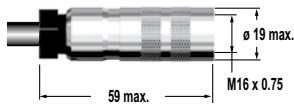
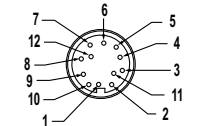
Used with: IP68 Sealed P4, iVu BCR—Integrated Touch Screen models, iVu Plus (For CE compliance)

12-Pin M12/Euro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24, 20 AWG, gold-plated contacts Voltage Rating: 300 V ac/dc, 2.0, 7.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	7.50 mm	iVUC-1206	Female 
			4.57 m		iVUC-1215	
			9.14 m		iVUC-1230	
			15.2 m		iVUC-1250	
			22.9 m		iVUC-1275	
	Right-Angle		1.83 m	7.50 mm	iVUC-1206RA	1 = White 7 = Blue 2 = Brown 8 = Red 3 = Green 9 = Orange 4 = Yellow 10 = Lt. Blue 5 = Gray 11 = Black 6 = Pink 12 = Violet
			4.57 m		iVUC-1215RA	
			9.14 m		iVUC-1230RA	
			15.2 m		iVUC-1250RA	
			22.9 m		iVUC-1275RA	

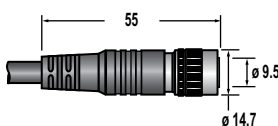
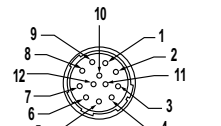
Used with: iVu TG & BCR Remote Touch Screen models, iVu BCR—Integrated Touch Screen models, iVu Plus

12-Pin M16

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket Coupling Nut: nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 60 V ac/dc, 4.0 A Temperature: 40 to +80° C Environmental Rating: IP67	Straight		3.05 m	7.60 mm	MQDC-1210ST	Female 
			9.14 m		MQDC-1230ST	
			24.4 m		MQDC-1280ST	

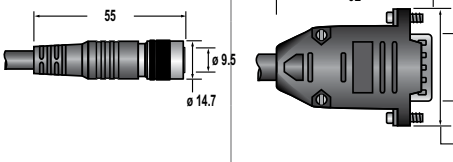
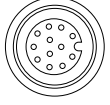
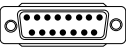
Used with: LT7

12-Pin QD

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
	Straight		1.83 m	7.70 mm	P4C06	Female 
			7.01 m		P4C23	
			9.75 m		P4C32	
			15.2 m		P4C50	
			22.9 m		P4C75	
			34.0 m		P4C110	

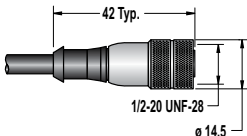
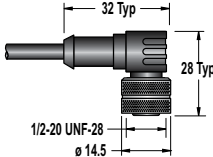
Used with: P4, PPSIM with terminal strip to P4

12-Pin QD to DB15

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
	Straight/ DB15		2.00 m	6.9 mm	P4C06SIM	Female 
			7.00 m		P4C23SIM	
			10.0 m		P4C32SIM	Male 

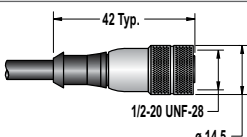
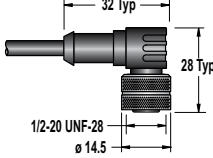
Used with: P4 to PPSIM

3-Pin Micro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
	Straight		1.83 m	5.20 mm	MQDC-306	Female 
			4.57 m		MQDC-315	
			9.14 m		MQDC-330	
	Right-Angle		1.83 m	5.20 mm	MQDC-306RA	1 = Green 2 = Red/Black 3 = Red/White
			4.57 m		MQDC-315RA	
			9.14 m		MQDC-330RA	

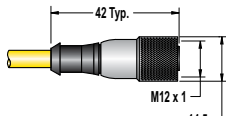
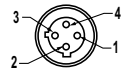
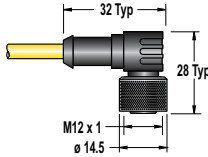
Used with: MINI-BEAM ac, SM2A312 sensors

4-Pin Micro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.70 mm	MQAC-406	Female 
			4.57 m		MQAC-415	
			9.14 m		MQAC-430	
	Right-Angle		1.83 m	5.70 mm	MQAC-406RA	1 = Red/Black 2 = Red/White 3 = Red 4 = Green
			5.00 m		MQAC-415RA	
			9.14 m		MQAC-430RA	

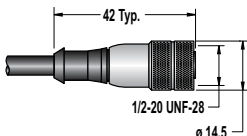
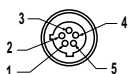
Used with: QS18 ac/dc sensors, Q45 ac series (suffix Q1), S18, M18, T18, Q25, S30, T30 & Q40 ac sensors (suffix Q1), Q60 ac series

4-Pin Micro-Style

Cordset Specs	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage Rating: 125 V ac/150 V dc Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		1.83 m	5.7 mm	MQEAC-406	Female  1 = Red/Black 2 = Red/White 3 = Red 4 = Green
			4.57 m		MQEAC-415	
			9.14 m		MQEAC-430	
	Right-Angle		1.83 m	5.70 mm	MQEAC-406RA	
			4.57 m		MQEAC-415RA	
			9.14 m		MQEAC-430RA	

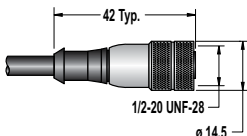
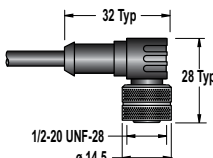
Used with: SI-HG80 hinge-style switches

5-Pin Micro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	6.10 mm	MQAC2-506	Female  1 = Brown 2 = Blue 3 = White 4 = Black 5 = Gray
			4.57 m		MQAC2-515	
			9.14 m		MQAC2-530	

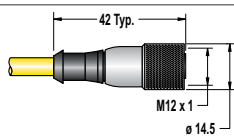
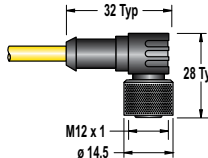
Used with:

5-Pin Micro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG with 22 AWG drain wire (shielded), gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	6.10 mm	MQVR3S-506	Female  1 = Brown 2 = White 3 = Yellow 4 = Black 5 = Blue
			1.83 m		MQVR3S-515	
			9.14 m		MQVR3S-530	
	Right-Angle		1.83 m	6.10 mm	MQVR3S-506RA	
			4.57 m		MQVR3S-515RA	
			9.14 m		MQVR3S-530RA	

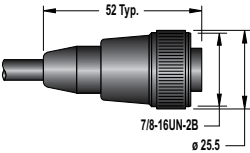
Used with: QT50U ac/dc sensors, EZ-LIGHT ac indicators

5-Pin Threaded M12/Micro-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 22 AWG (shielded), gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		1.83 m	5.60 mm	MQEAC-606	Female  1 = Red/White 2 = Red 3 = Green 4 = Red/Yellow 5 = Red/Black 6 = Red/Blue
			4.57 m		MQEAC-615	
			9.14 m		MQEAC-630	
	Right-Angle		1.83 m	5.60 mm	MQEAC-606RA	
			4.57 m		MQEAC-615RA	
			9.14 m		MQEAC-630RA	

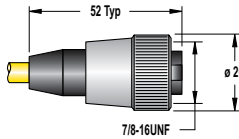
Used with: SI-HG63 hinge-style switches

3-Pin Mini-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout		
Cable: PVC jacket, PUR (polyurethane) connector body	Straight		1.83 m	7.00 mm	MBCC-306	Female		
Coupling Nut: Nylon			3.66 m		MBCC-312			
Conductors: 18 AWG, PVC insulation, gold-plated contacts			9.14 m		MBCC-330			
Voltage/Current Rating: 300 V ac/dc, 9.0 A	Straight		1.83 m		SMICC-306		1 = Brown	
			3.66 m		SMICC-312	3 = Blue		
			9.14 m		SMICC-330	4 = Black		
Temperature: -40 to +80 °C	Straight				1.83 m		SM30CC-306	1 = Red/Black
Environmental Rating: IP67					3.66 m		SM30CC-312	3 = Red/White
								4 = Green

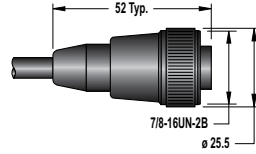
Used with: Q45, SMI30 Intrinsically, SM30 2-wire ac sensors safe dc sensors,

3-Pin Mini-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 18 AWG, PVC insulation, gold-plated contacts Voltage Rating: 250 V ac/300 dc Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		4.75 m	7.00 mm	QDS-315C	Female 
			7.62 m		QDS-325C	
			15.2 m		QDS-350C	
			22.9 m		QDS-375C	
			30.5 m		QDS-3100C	

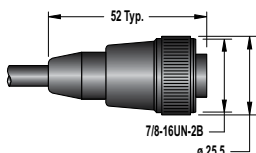
Used with: EZ-SCREEN Emitters w/3-pin mini-style QD (Point & Grid), EZAC Box w/3-pin mini-style QD

4-Pin Mini-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nylon Conductors: 18 AWG, gold-plated contacts Voltage/Current Rating: 300 V ac/dc, 9.0 A Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		1.83 m	7.00 mm	MBCC-406	Female 
			3.66 m		MBCC-412	
			9.14 m		MBCC-430	

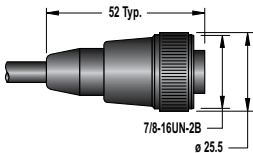
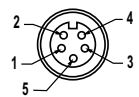
Used with: Q45 dc sensors (suffix Q), OMNI-BEAM dc power blocks, SM30 dc sensors, OTB w/solid-state output, STB with solid-state output, Q45 4-wire ac/dc

5-Pin Mini-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nylon Conductors: 18 AWG, gold-plated contacts Voltage/Current Rating: 300 V ac/dc, 9.0 A Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		1.83 m	7.00 mm	MBCC-506	Female 
			3.66 m		MBCC-512	
			9.14 m		MBCC-530	

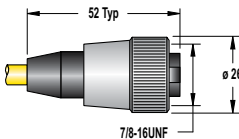
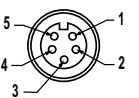
Used with: Q45 Laser Retro, OMNI-BEAM ac power blocks, OMNI-BEAM dc w/ e/m relay, OTB & LTB w/SPDT relay, Q45 5-wire ac, STB with e/m relay

5-Pin Mini-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nylon Conductors: 22 AWG (shielded), PVC insulation, gold-plated contacts Voltage/Current Rating: 300 V ac/dc, 9.0 A Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		1.83 m	6.10 mm	MBCC2-506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Yellow
			3.66 m		MBCC2-512	
			9.14 m		MBCC2-530	

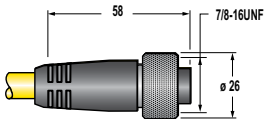
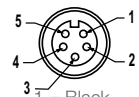
Used with: QT50U, Q45U, Q45UR

5-Pin Mini-Style with Green/Yellow Grounding Wire

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 20 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/300 V dc, 9.0 A Temperature: -40 to +90 °C Environmental Rating: IP67	Straight		4.75 m	7.00 mm	QDS-515C	Female  1 = Black 2 = Blue 3 = Gn/Ye 4 = Brown 5 = White
			7.62 m		QDS-525C	
			15.2 m		QDS-550C	

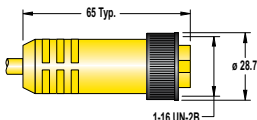
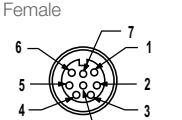
Used with: EZ-SCREEN Receivers w/5-pin mini-style QD & TEST (Point & Grid), EZAC Box w/5-pin mini-style QD

8-Pin Threaded M12/Euro-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nickel-plated brass Conductors: 24 AWG (shielded), gold-plated contacts Voltage/Current Rating: 75 V ac/dc, 2.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	Straight		4.57 m	7.00 mm	QDC-515C	Female  1 = Black 2 = Blue 3 = Drain 4 = Brown 5 = White
			7.62 m		QDC-525C	
			15.2 m		QDC-550C	
			22.9 m		MAQDC-575C	
			30.5 m		MAQDC-5100C	
			38.1 m		MAQDC-5125C	
			45.7 m		MAQDC-5150C	

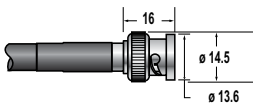
Used with: MINI-ARRAY, High-Resolution MINI-ARRAY

8-Pin Mini-Style

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nut: Nylon Conductors: 20 AWG, PVC insulation, gold-plated contacts Voltage Rating: 250 V ac/300 V dc Temperature: -40 to +80 °C Environmental Rating: IP67	Straight		4.51 m	6.90 mm	QDS-815C	Female  1 = Brown 2 = Or/Bk 3 = Orange 4 = White 5 = Black 6 = Blue 7 = Gn/Ye 8 = Violet
			7.62 m		QDS-825C	
			15.2 m		QDS-850C	
			22.9 m		QDS-875C	

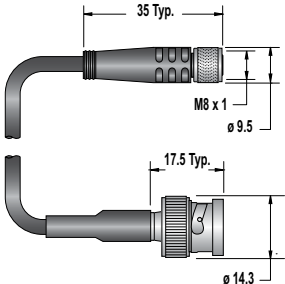
Used with: EZ-SCREEN Receivers w/8-pin mini-style QD (Point & Grid), DUO-TOUCH SG Run Bar, EZAC Box w/8-pin mini-style QD

BNC Coaxial Video

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
	Video Coaxial with BNC		1.83 m	6.00 mm	BNC06	
			4.57 m		BNC15	
			9.14 m		BNC30	
			14.6 m		BNC48	

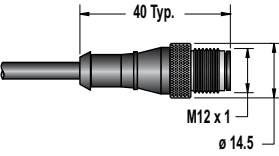
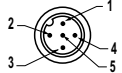
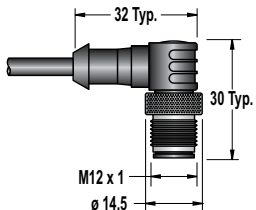
Used with: Pro, P4

BNC to 4-Pin Threaded M8/Pico-Style with Shield

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket, PUR (polyurethane) connector body Coupling Nuts: Nickel-plated brass on QD end Conductors: 26 AWG Voltage/Current Rating: 125 V ac/ 125 V dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP67	BNC/ Pico QD Straight		2.00 m	4.40 mm	PKG4M-2/CS	Female  1 = Brown 3 = Blue 2 = Not Used 4 = Drain Male 
			5.00 m		PKG4M-5/CS	
			9.00 m		PKG4M-9/CS	

Used with: IP68 Sealed P4

Communication

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
	5-Pin M12/Euro-Style, Straight		1.83 m	5.60 mm	MQDMC-506	Male  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			4.57 m		MQDMC-515	
			9.14 m		MQDMC-530	
	5-Pin M12/Euro-Style, Right-Angle		1.83 m	5.60 mm	MQDMC-506RA	
			4.57 m		MQDMC-515RA	
			9.14 m		MQDMC-530RA	

Used with: EZ-ARRAY to INTUSB485-1 USB Serial Adapter

DB9 Communication Cordsets

Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Male DB9/ Female DB9		1.83 m	6.00 mm	DB9P06	
		4.57 m		DB9P15	
		9.14 m		DB9P30	
Male DB9/ Female DB9		3.00 m	5.00 mm	AG4-PCD9-3	
		5.00 m		AG4-PCD9-5	
		10.0 m		AG4-PCD9-10	
USB/ Male DB9		1.00 m	4.6 mm	AG4-PCD9USB-1	
Male DB9/ Female DB9		2.00 m	5.00 mm	MASC	 2 = Transmit (TX) 3 = Receive (RX) 5 = Ground (GRD)

Used with: Pro, AG4, AG4 Serial-to USB Adapter, MINI-ARRAY, High-Resolution, MINI-ARRAY

DB15 Configuration/Machine Interface Cordsets

Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
DB15		5.00 m	8.50 mm	AG4-CPD15-5	
		10.0 m		AG4-CPD15-10	
		25.0 m		AG4-CPD15-25	
		25.0 m		AG4-CPD15-50W	

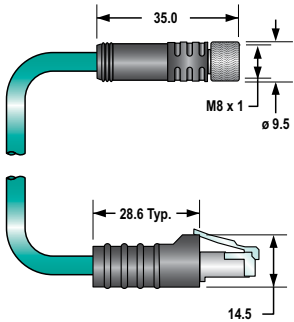
Used with: AG4

RJ45 Ethernet Cordsets

Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cat5e Shielded		2.13 m	6.80 mm	STP07	
Cat5e Crossover Shielded				STPX07	
Cat5e Shielded		7.62 m		STP25	
Cat5e Crossover Shielded				STPX25	
Cat5e Shielded		15.2 m		STP50	
Cat5e Crossover Shielded				STPX50	
Cat5e Shielded		22.9 m		STP75	
Cat5e Crossover Shielded				STPX75	

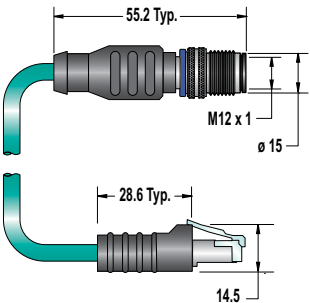
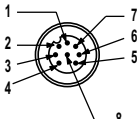
Used with: Pro, P4, SC22-3E

RJ45 Ethernet to 4-Pin Threaded M8/Pico-Style Cordsets

Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cat5e Shielded		2.00 m	6.00 mm	IVUC-E-406	Male 
		5.00 m		IVUC-E-415	Female  1 = Blue TX- 2 = White/Blue TX+ 3 = White/Orange RX+ 4 = Orange RX
		9.00 m		IVUC-E-430	
		16.0 m		IVUC-E-450	
		23.0 m		IVUC-E-475	

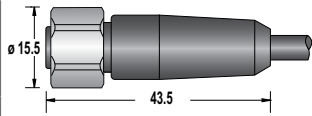
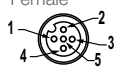
Used with: iVu Plus

8-Pin Threaded M12/Euro-Style Cordsets with Shield

Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Straight		1.83 m	7.90 mm	STP-MAQDC-806	Male 
		4.57 m		STP-MAQDC-815	Male  1 = Wh/Bl 5 = Wh/Gr 2 = Wh/Br 6 = Wh/Or 3 = Brown 7 = Blue 4 = Orange 8 = Green
		9.14 m		STP-MAQDC-830	

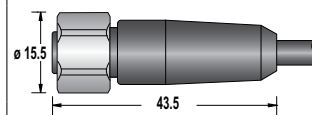
Used with: IP68 Sealed P4

5-Pin Threaded M12/Euro-Style—Washdown Stainless Steel

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket and over-mold, EPDM o-ring Coupling Nut: Stainless steel coupling nut Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 300 V dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP69K	Straight		1.83 m (6 ft)	4.80 mm	MQDC-WDSS-0506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			4.57 m (15 ft)		MQDC-WDSS-0515	
			9.14 m (30 ft)		MQDC-WDSS-0530	

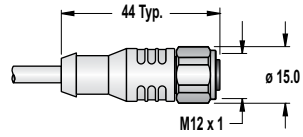
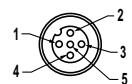
Used with: Q4X, Q3X

4-Pin Threaded M12/Euro-Style—Washdown Stainless Steel

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC jacket and over-mold, EPDM o-ring Coupling Nut: Stainless steel coupling nut Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 300 V dc, 4.0 A Temperature: -40 to +105 °C Environmental Rating: IP69K	Straight		1.83 m (6 ft)	4.80 mm	MQDC-WDSS-0406	Female  1 = Brown 2 = White 3 = Blue 4 = Black
			4.57 m (15 ft)		MQDC-WDSS-0415	
			9.14 m (30 ft)		MQDC-WDSS-0430	

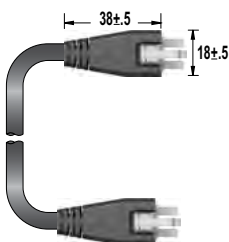
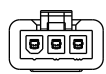
Used with: QM26

5-Pin Threaded M12/Euro-Style—Washdown

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: Polypropylene jacket and connector body Coupling Nut: Stainless steel Conductors: 22 AWG, gold-plated contacts Voltage/Current Rating: 250 V ac/dc, 4.0 A Temperature: -4 to +105 °C Environmental Rating: IP68	Straight		1.83 m	4.50 mm	MQDCWD-506	Female  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
			9.14 m		MQDCWD-530	

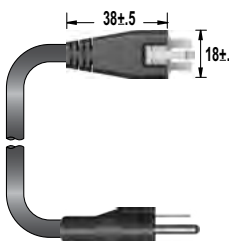
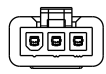
Used with: M25U, QM26

Molex for Cascading

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC Black Coupling Nut: Slide Snap	Straight		0.15 m	6.6 mm	LQMAEC-3005SS	
			0.31 m		LQMAEC-301SS	
			0.91 m		LQMAEC-303SS	
			1.83 m		LQMAEC-306SS	
			3.66 m		LQMAEC-312SS	
			6.10 m		LQMAEC-320SS	
			9.14 m		LQMAEC-330SS	

Used with: AC WLB32

Molex to Power

Specifications	Style	Dimensions (mm)	Length	Cable Diameter	Model	Pinout
Cable: PVC Coupling Nut: Slide Snap	Straight		3.0 m	6.6 mm	LQMAC-306B	

Used with: AC WLB32

QD End-Caps

Cordset Specs	Style	Dimensions (mm)	Model
Replace or convert EZ-SCREEN Grid and Point hard-wire terminal chamber end cap to QD model.	8-pin Euro QD	Converts terminal chamber end cap to QD model	EZA-QDE-8E
	8-pin Euro QD		EZA-QDR-8E

Used with: EZ-SCREEN Emitters w/Terminal Chamber (Point & Grid), EZ-SCREEN Receivers w/Terminal Chamber (Point & Grid)

Unterminated Bulk Cable

Cordset Specs	Dimensions (mm)	Length	Models
Cable: PVC jacket Conductors: 20 AWG, PVC insulation Voltage Rating: 250 V ac/300 V dc Temperature: -40 to +80 °C	3-conductor (Brown, Blue, Green/Yellow)	7.6 m	UTB-325C
		15.2 m	UTB-350C
		30.4 m	UTB-3100C
		76.2 m	UTB-3250C
	5-conductor (Black, Blue, Brown, White, Green/Yellow)	7.6 m	UTB-525C
		15.2 m	UTB-550C
		30.4 m	UTB-5100C
		76.2 m	UTB-5250C
	8-conductor (Brown, Orange/Black, Orange, White, Black, Blue, Violet, Green/Yellow)	7.6 m	UTB-825C
		15.2 m	UTB-850C
		30.4 m	UTB-8100C
		76.2 m	UTB-8250C

Used with: EZ-SCREEN Emitters w/Terminal Chamber (Point & Grid), EZAC Interface Boxes, EZ-SCREEN Emitters w/Terminal Chamber & TEST (Point & Grid), EZAC Interface Boxes, EZ-SCREEN Receivers w/Terminal Chamber (Point & Grid), EZAC Interface Boxes, DUO-TOUCH SG Run Bars

Cable Glands

Cordset Specs	Dimensions (mm)	Cable Diameter	Model	Size
Secures the cable end in the housing and seals the point of connection Available for EZ-SCREEN Point and Grid, rope pulls and safety interlock switches		3.0 to 8.0 mm	SI-QS-CG13	PG13.5 Plastic
		3.0 to 8.0 mm	SI-QS-CGM16	M16 x 1.5 Plastic
		5.0 to 12.0 mm	SI-QS-CGM20	M20 x 1.5 Plastic
		5.0 to 12.0 mm	SI-QM-CGM20	M20 x 1.5 Metal

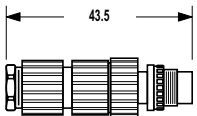
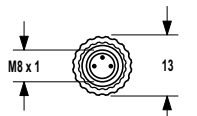
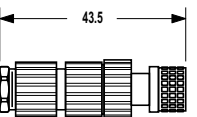
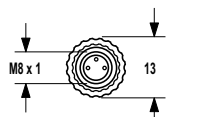
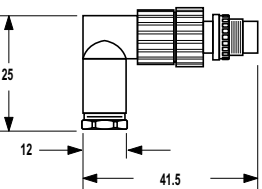
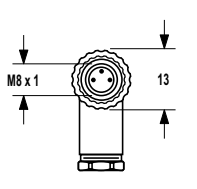
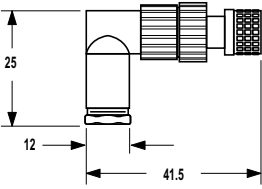
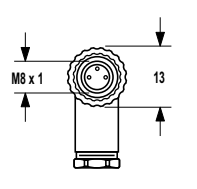
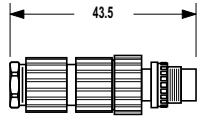
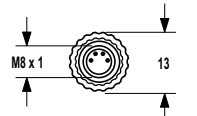
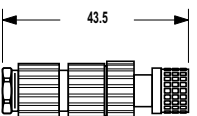
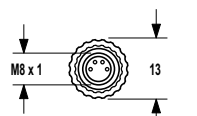
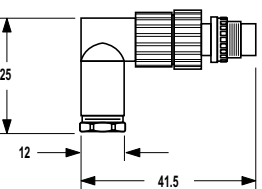
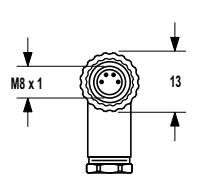
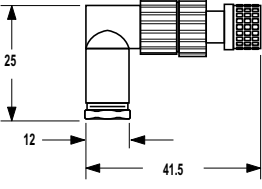
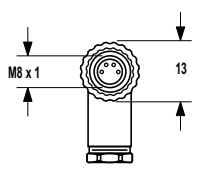
Used with: EZ-SCREEN w/Terminal Chamber (Point & Grid), SI-QS75 Safety Interlock Switches, SI-LS83 Safety Interlock Switches, • SI-QS90 Safety Interlock Switches, SI-LS100 Safety Interlock Switches, SI-LS31 Safety Interlock Switches, SI-LS42 Safety Interlock Switches, RP-LS42 Rope Pull Switches, • SI-LM40 Safety Interlock Switches, SI-QM100 Safety Interlock Switches, SI-LM40 Safety Interlock Switches, RP-RM83 Rope Pull Switches, RP-LM40 Rope Pull Switches, RP-QM72/QMT72 Rope Pull Switches, RP-QM90 Rope Pull Switch

Cable Glands

Cordset Specs	Dimensions (mm)	Thread Conversion	Model	Size
Connects conduit of different diameters Available for EZ-SCREEN Point and Grid, rope pulls and safety interlock switches		PG 13.5 to 1/2" NPT	SI-QM-13	1/2" NPT to PG13.5 Metal
		PG 13.5 to M20	SI-QM-13-M20	M20 to PG13.5 Metal
		M16 x 1.5 to 1/2" - 14 NPT	SI-QS-M16	1/2" - 14 NPT Plastic
		M20 x 1.5 to 1/2" - 14 NPT	SI-QS-M20	1/2" - 14 NPT Plastic
		M20 x 1.5 to 1/2" - 14 NPT	SI-QM-M20	1/2" - 14 NPT Metal

Used with: EZ-SCREEN w/Terminal Chamber (Point & Grid), EZ-SCREEN w/Terminal Chamber (Point & Grid), SI-QS75 Safety Interlock Switches, SI-LS83 Safety Interlock Switches, SI-QS90 Safety Interlock Switches, SI-LS100 Safety Interlock Switches, SI-LS31 Safety Interlock Switches, SI-LS42 Safety Interlock Switches, RP-LS42 Rope Pull Switches, SI-LM40 Safety Interlock Switches, SI-QM100 Safety Interlock Switches, SI-LM40 Safety Interlock Switches, RP-RM83 Rope Pull Switches, RP-LM40 Rope Pull Switches, RP-QM72/QMT72 Rope Pull Switches, RP-QM90 Rope Pull Switch

Pico-Style Field-Wireable Connectors (M8)

Cordset Specs	Style	Dimensions (mm)	Model	Pinout
Contacts: Gold-plated, rated 60V ac/dc max., 4.0 A max. Cable Diameter: 4.0 to 5.0 mm Temperature: -25 to +70 °C Environmental Rating: NEMA 6P, IP67	3-Pin Male Straight		FIC-M8M3	
	3-Pin Female Straight		FIC-M8F3	
	3-Pin Male Right-Angle		FIC-M8M3A	
	3-Pin Female Right-Angle		FIC-M8F3A	
	4-Pin Male Straight		FIC-M8M4	
	4-Pin Female Straight		FIC-M8F4	
	4-Pin Male Right-Angle		FIC-M8M4A	
	4-Pin Female Right-Angle		FIC-M8F4A	

Euro-Style Field-Wireable Connectors (M12)

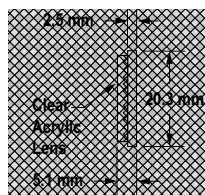
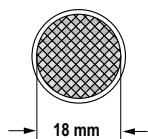
Cordset Specs	Style	Dimensions (mm)	Model	Pinout
Contacts: Gold-plated; 4-pin models rated 250 V ac/dc max., 4.0 A max.; 5-pin models rated 50 V ac/dc max., 4.0 A max. Cable Diameter: 4.0 to 5.0 mm Temperature: -25 to +90 °C Environmental Rating: NEMA 6P, IP67	4-Pin Male Straight		FIC-M12M4	
	4-Pin Female Straight		FIC-M12F4	
	4-Pin Male Right-Angle		FIC-M12M4A	
	4-Pin Female Right-Angle		FIC-M12F4A	
	5-Pin Male Straight		FIC-M12M5	
	5-Pin Female Straight		FIC-M12F5	

Euro-Style Field-Wireable Connectors (M12)

Cordset Specs	Style	Dimensions (mm)	Model	Pinout
Contacts: Gold-plated; 4-pin models rated 250 V ac/dc max., 4.0 A max.; 5-pin models rated 50 V ac/dc max., 4.0 A max. Cable Diameter: 4.0 to 5.0 mm Temperature: -25 to +90 °C Environmental Rating: NEMA 6P, IP67	5-Pin Male Right-Angle		FIC-M12M5A	
	5-Pin Female Right-Angle		FIC-M12F5A	

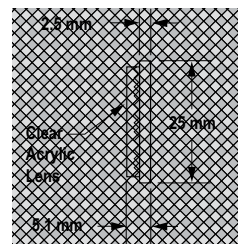
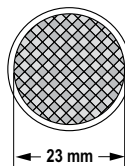
BRT-.6

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



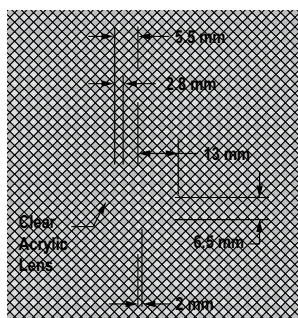
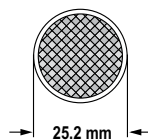
BRT-1

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



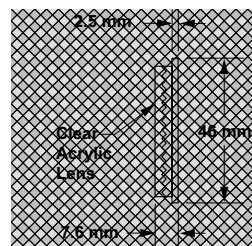
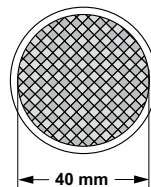
BRT-25R

Description: Round, rivet-secured acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



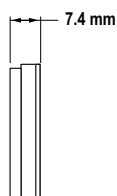
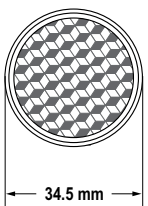
BRT-1.5

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



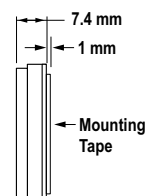
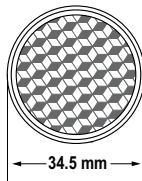
BRT-34

Description: Round, acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C



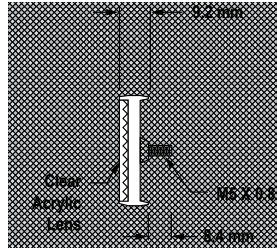
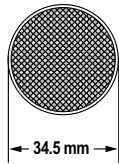
BRT-34T

Description: Round, acrylic target includes mounting tape
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C



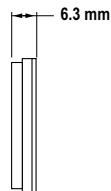
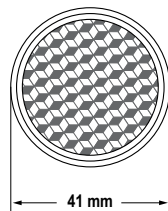
BRT-35DM

Description: Round, acrylic target with mounting stud
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



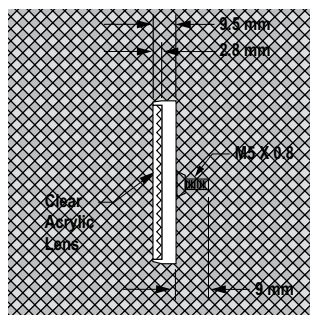
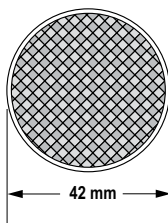
BRT-42

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Max. Temperature: 65 °C



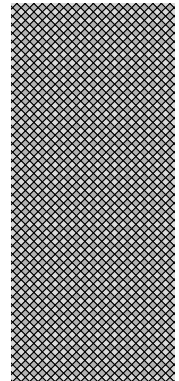
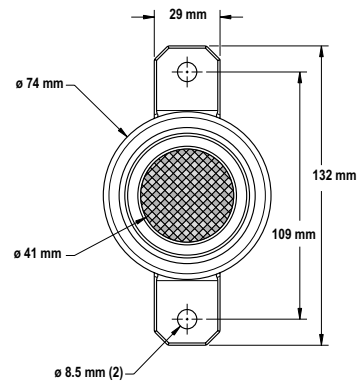
BRT-42D

Description: Round, acrylic target with mounting stud
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



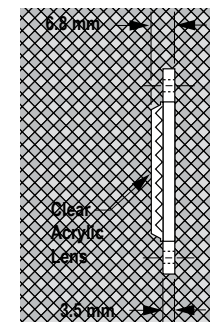
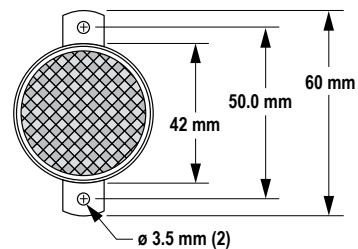
BRT-41AHT

Description: Round, borosilicate (Pyrex type) glass target
 Reflectivity Factor: 1.0
 Temperature: -20 to +200 °C



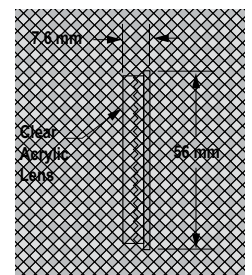
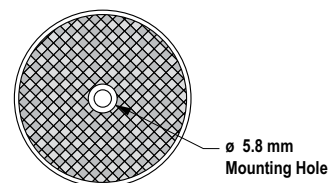
BRT-42A

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



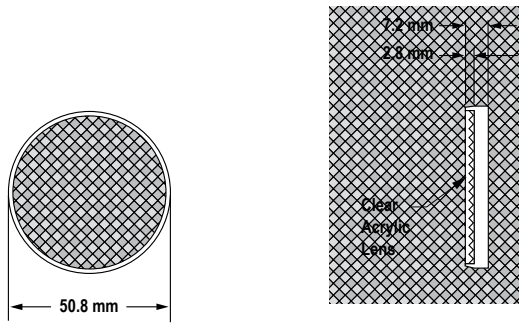
BRT-2A

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Max. Temperature: 65 °C



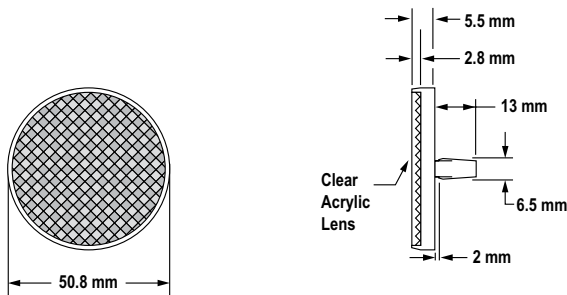
BRT-50

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



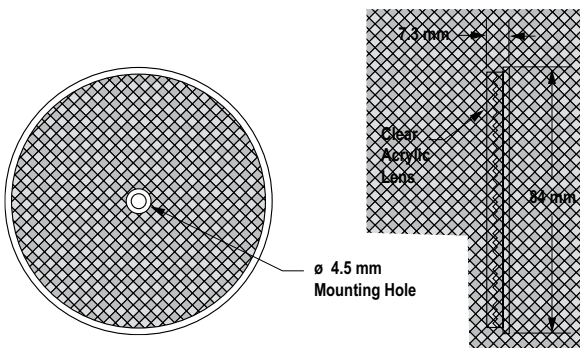
BRT-50R

Description: Round, rivet-secured acrylic target
 Reflectivity Factor: 1.0
 Max. Temperature: -20 to +60 °C
 Other: Optional brackets are available.



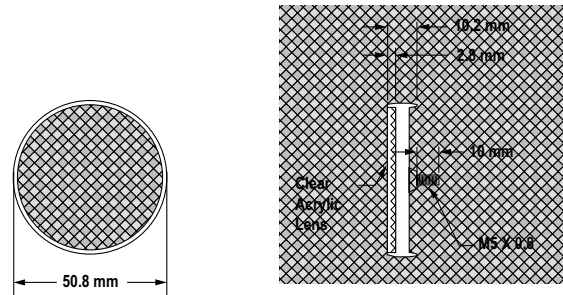
BRT-84

Description: Round, acrylic target
 Reflectivity Factor: 1.4
 Max. Temperature: -20 to +60 °C
 Other: Optional brackets are available.



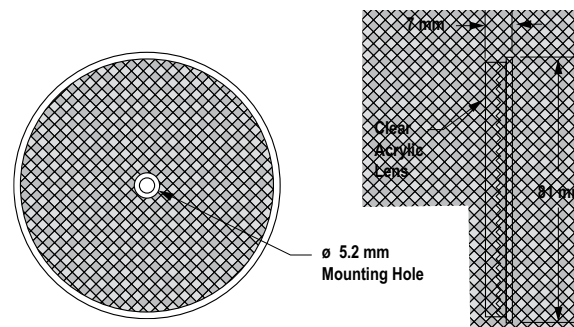
BRT-50D

Description: Round, acrylic target with mounting stud
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C
 Other: Optional brackets are available.



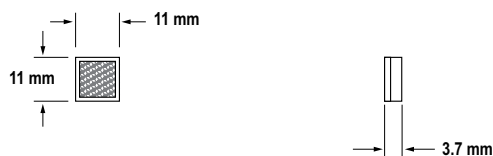
BRT-3

Description: Round, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C
 Other: Optional brackets are available.



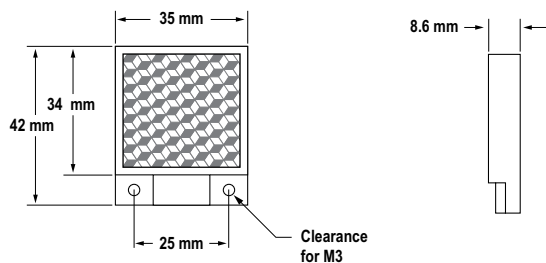
BRT-11X11M

Description: Square, acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



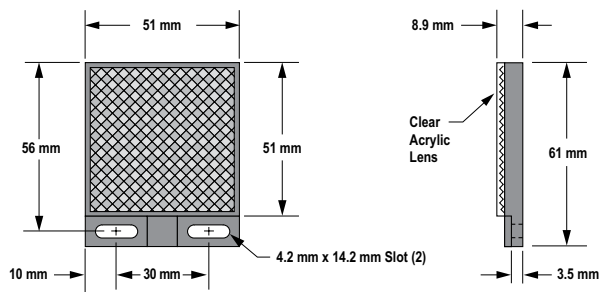
BRT-35X35B

Description: Square, acrylic target
 Reflectivity Factor: 1.3
 Temperature: -20 to +60 °C



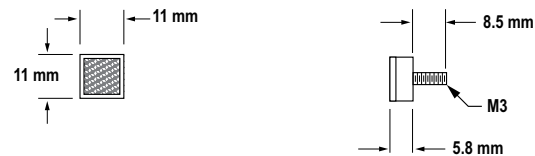
BRT-2X2

Description: Square, acrylic target
 Reflectivity Factor: 1.0
 Max. Temperature: 50 °C
 Others: Optional brackets are available.



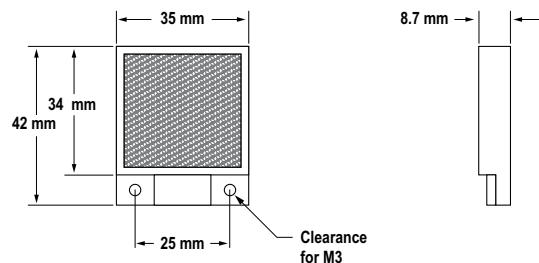
BRT-11X11MD

Description: Square, acrylic target with mounting stud
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



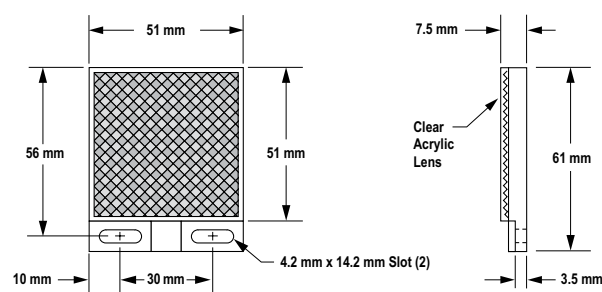
BRT-35X35BM

Description: Square, acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



BRT-2X2LVC

Description: Square, acrylic target
 Reflectivity Factor: 1.0
 Max. Temperature: -20 to +60 °C
 Others: Optional brackets are available.

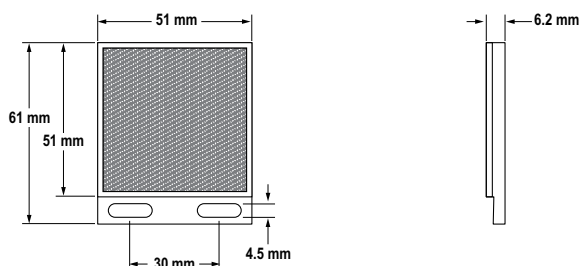


BRT-51X51BM

Description: Square, acrylic target

Reflectivity Factor: 1.5 Max. Temperature: 50 °C

Other: This target has micro-prism geometry. Optional brackets are available. Replaces reflector BRT-36X40BM.

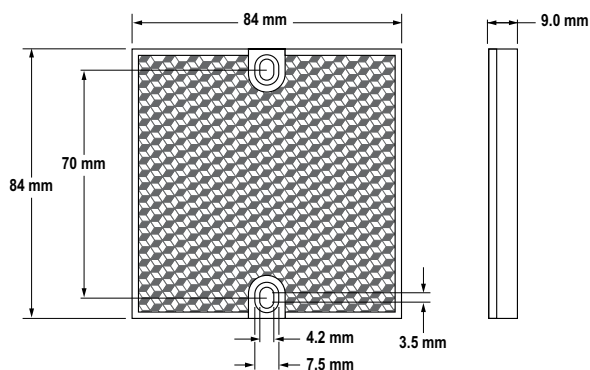


BRT-84X84A

Description: Square, acrylic target

Reflectivity Factor: 2.0

Temperature: -20 to +60 °C



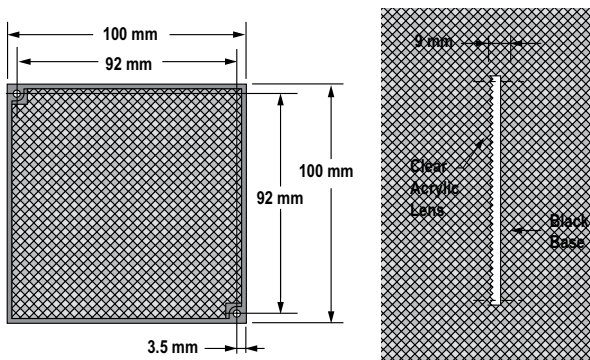
BRT-92X92CB

Description: Square, acrylic target with black mounting base

Reflectivity Factor: 3.0

Max. Temperature: 50 °C

Other: Optional brackets are available.



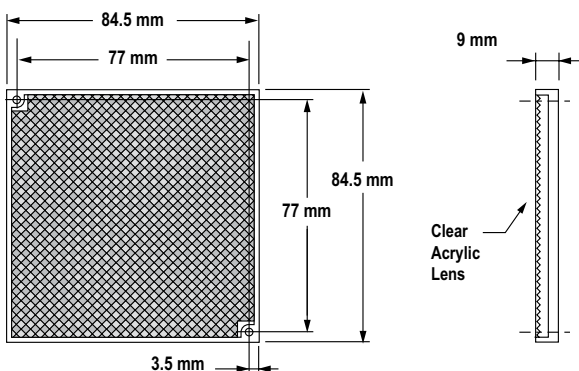
BRT-77X77C

Description: Square, acrylic target

Reflectivity Factor: 2.0

Temperature: -20 to +60 °C

Other: Optional brackets are available.



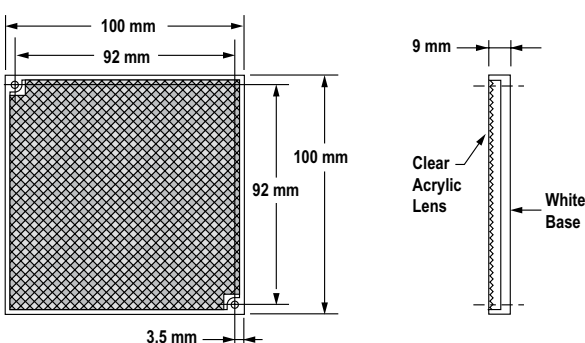
BRT-92X92C

Description: Square, acrylic target

Reflectivity Factor: 3.0

Temperature: -20 to +60 °C

Other: Optional brackets are available.



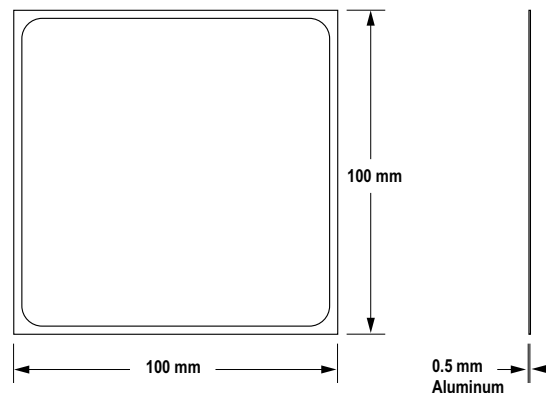
BRT-4HT

Description: Square, aluminum target

Reflectivity Factor: 0.15

Max. Temperature: 480 °C

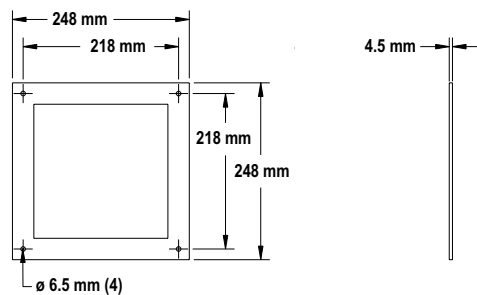
Other: This target is not recommended for polarized retroreflective sensors.



BRT-250 (250 x 250 mm)

Temperature: -20 to +50° C

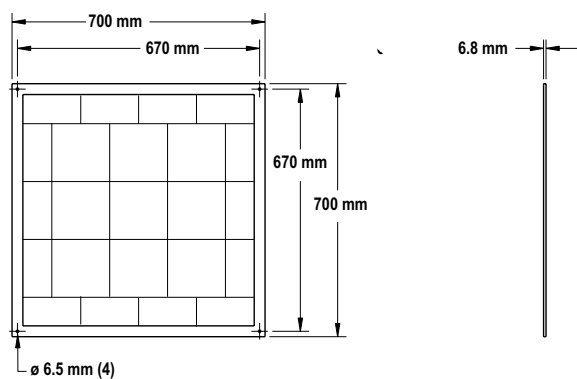
Other: Square reflector with rigid aluminum backing for use with LT7



BRT-700 (700 x 700 mm)

Temperature: -20 to +50° C

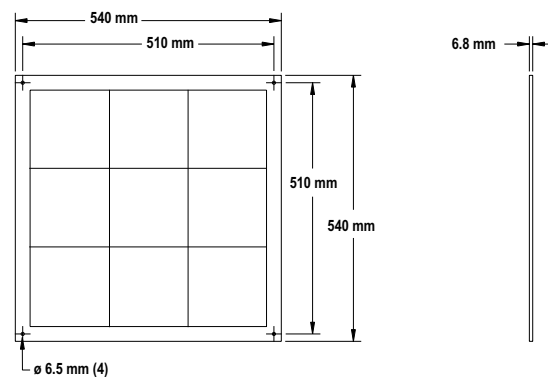
Other: Square reflector with rigid aluminum backing for use with LT7



BRT-540 (540 x 540 mm)

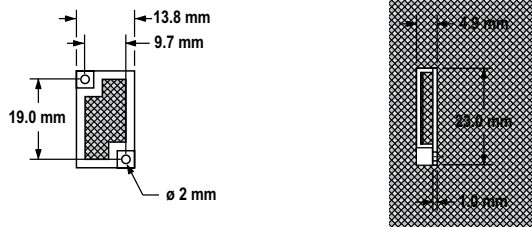
Temperature: -20 to +50° C

Other: Square reflector with rigid aluminum backing for use with LT7



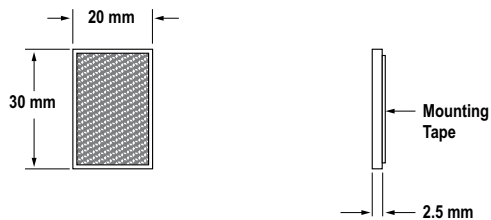
BRT-23X14CM

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60° C
 Other: This target has micro-prism geometry.



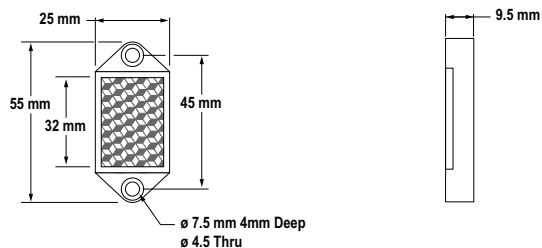
BRT-30X20MT

Description: Rectangular, acrylic target includes mounting tape
 Reflectivity Factor: 1.2
 Temperature: -20 to 60° C



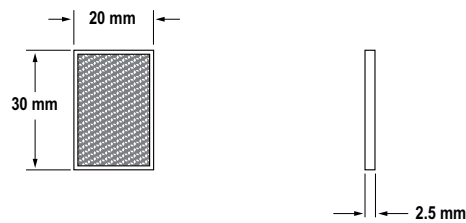
BRT-32X22A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.3
 Max. Temperature: 65° C



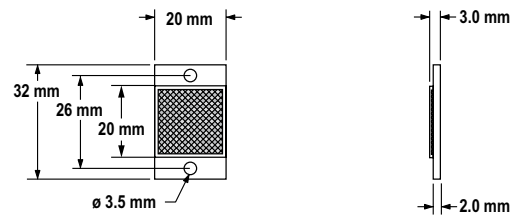
BRT-30X20M

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60° C



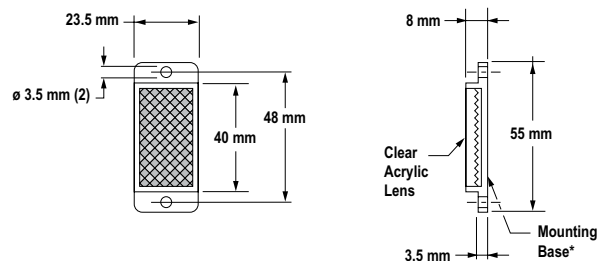
BRT-32X20AM

Description: Rectangular, thin profile acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60° C
 Other: This target has micro-prism geometry.



BRT-35X20A BRT-35X20AB

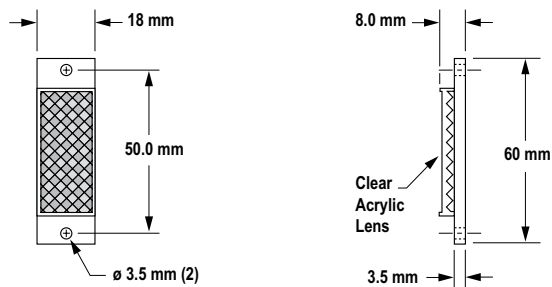
Description: Rectangular, acrylic target*
 Reflectivity Factor: 1.4
 Temperature: -20 to +60° C



*Mounting base available in white (BRT-35X20A) or black (BRT-35X20AB).

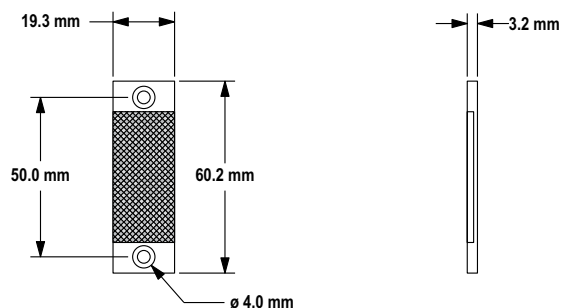
BRT-40X18A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



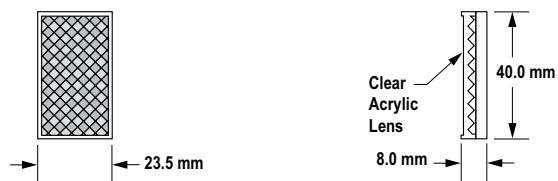
BRT-40X19AM

Description: Rectangular, thin profile acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



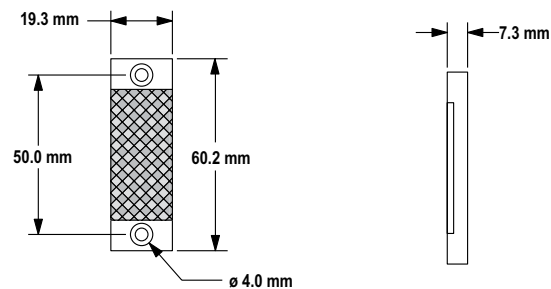
BRT-40X23

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



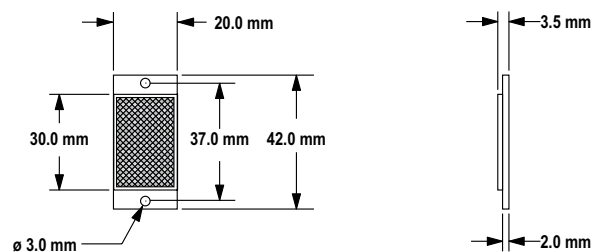
BRT-40X19A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.3
 Temperature: -20 to +60 °C



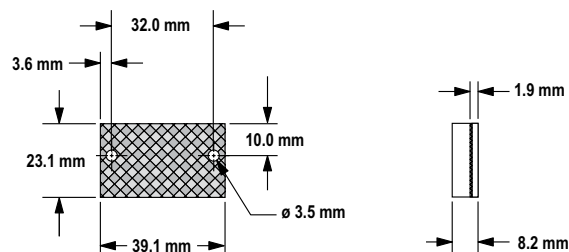
BRT-40X20AM

Description: Rectangular, thin profile acrylic target
 Reflectivity Factor: 1.2
 Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



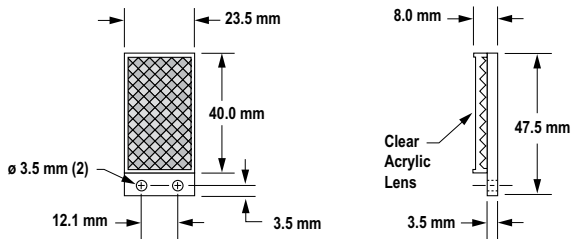
BRT-40X23A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Max. Temperature: -20 to +60 °C



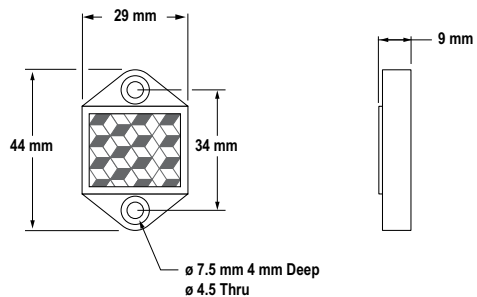
BRT-40X23B

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Max. Temperature: -20 to +60 °C



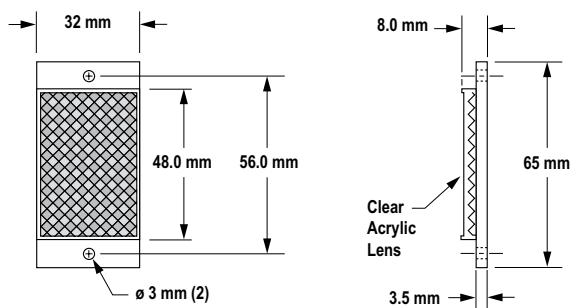
BRT-44X29A6

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.1
 Max. Temperature: 50 °C
 Other: 6 mm facets; close to the face retroreflective sensing with bifurcated lens.



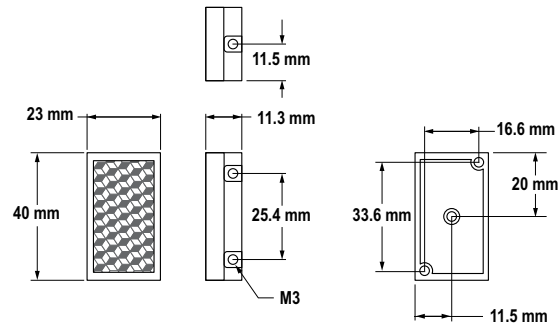
BRT-48X32A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



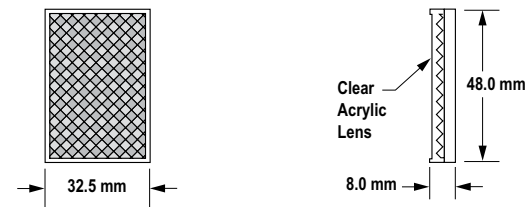
BRT-40X23ABC

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Max. Temperature: 50 °C



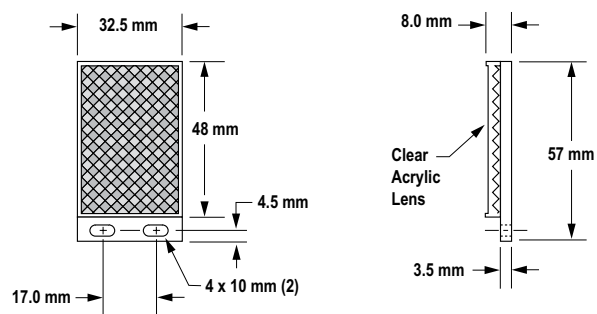
BRT-48X32

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



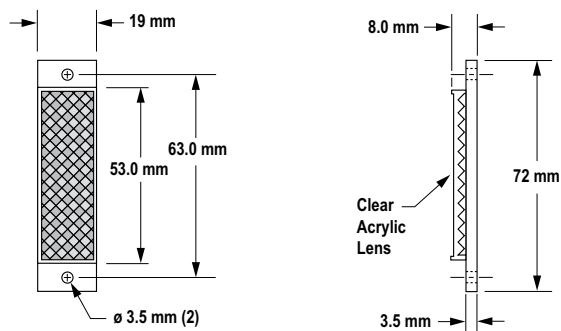
BRT-48X32B

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.0
 Temperature: -20 to +60 °C



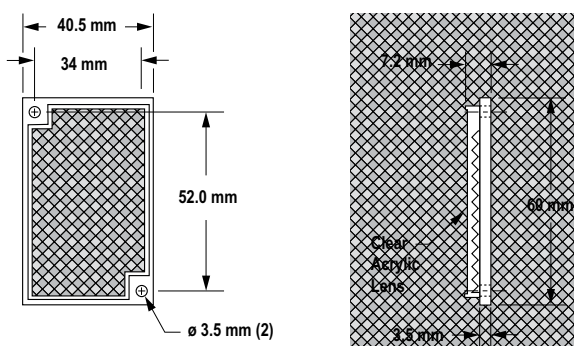
BRT-53X19A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Max. Temperature: -20 to +60 °C



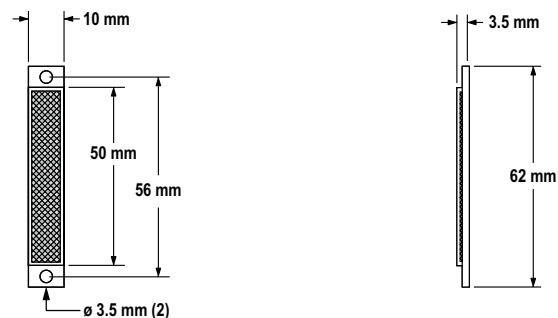
BRT-60X40C

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4 Max. Temperature: -20 to +60 °C
 Other: Optional brackets are available.



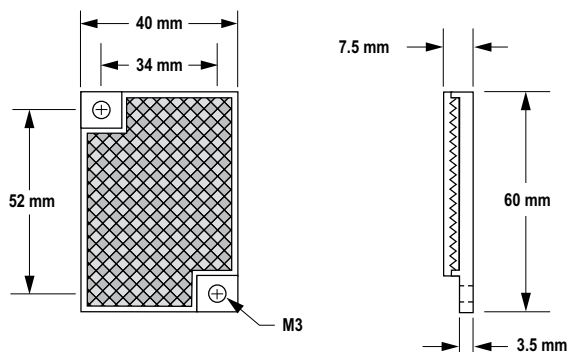
BRT-62X10AM

Description: Rectangular, thin profile acrylic target
 Reflectivity Factor: 1.2
 Max. Temperature: -20 to +60 °C
 Other: This target has micro-prism geometry.



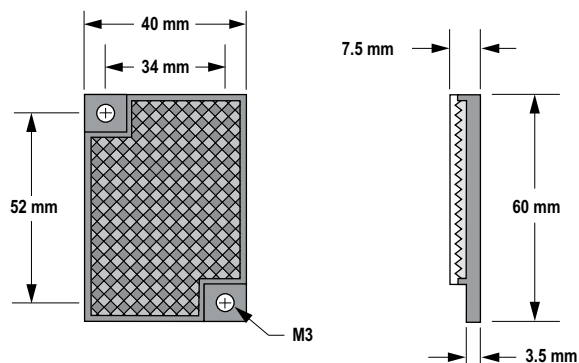
BRT-60X40AF

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4 Max. Temperature: -20 to +60 °C
 Other: Anti-fogging coating for use around steam. Optional brackets are available.



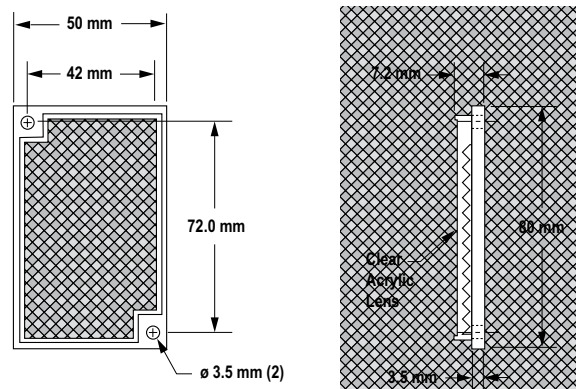
BRT-60X40IP69K

Description: Rectangular, acrylic target (color is amber)
 Reflectivity Factor: 0.7 Max. Temperature: -20 to 60 °C
 Other: Chemically resistant and IP69K washdown rated. Optional brackets are available



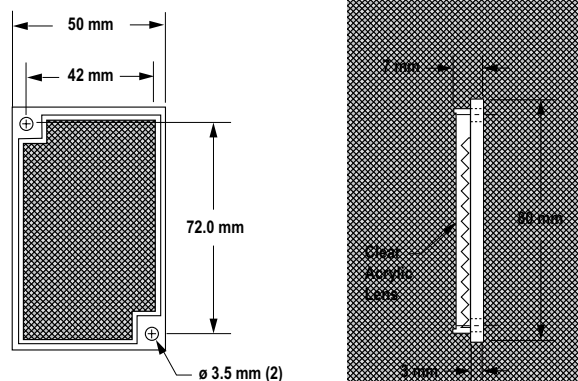
BRT-80X50C

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



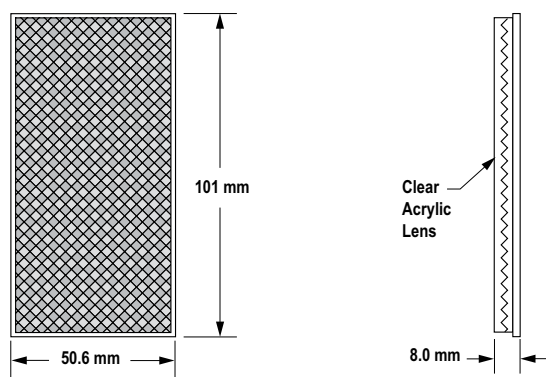
BRT-80X50CM

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



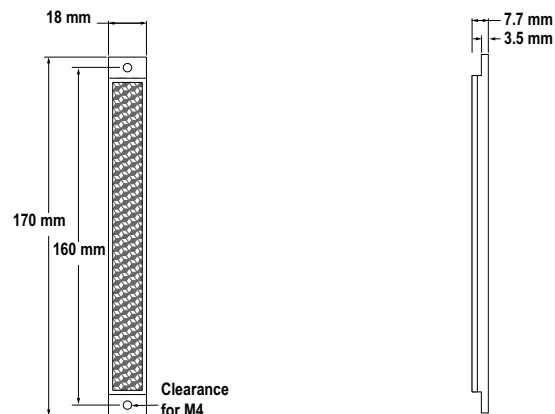
BRT-100X50

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.5
 Temperature: -20 to +60 °C



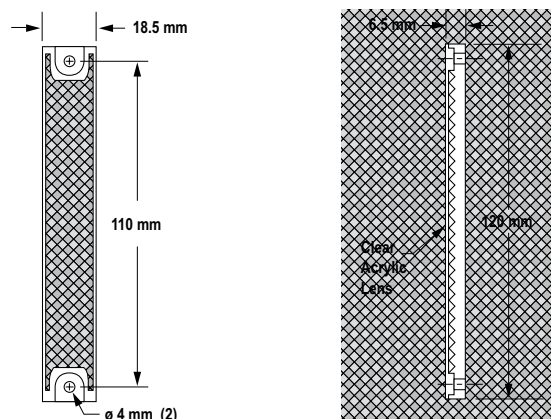
BRT-150X18A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



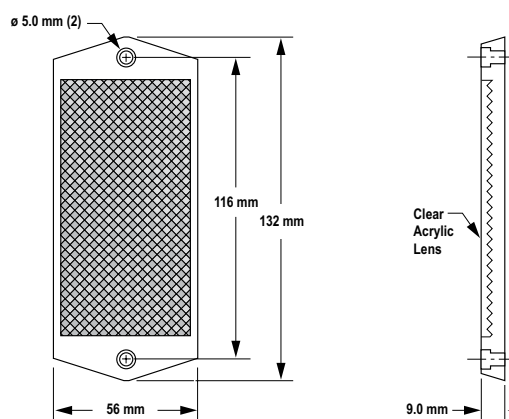
BRT-100X18A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



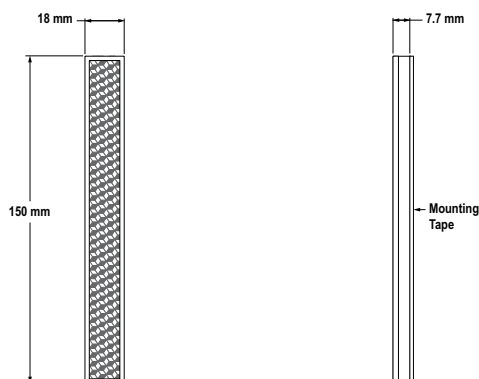
BRT-100X55A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.5
 Temperature: -20 to +60 °C



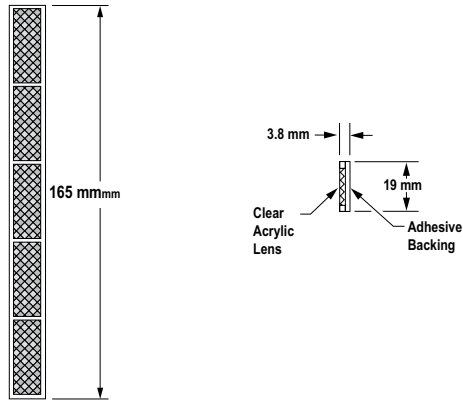
BRT-150X18T

Description: Rectangular, acrylic target includes mounting tape.
 Reflectivity Factor: 1.4
 Temperature: -20 to 60 °C



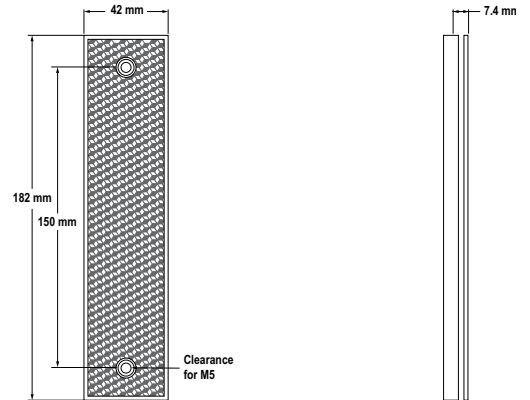
BRT-L

Description: Rectangular, acrylic target
 Reflectivity Factor: 0.8
 Max. Temperature: 65 °C



BRT-180X40A

Description: Rectangular, acrylic target
 Reflectivity Factor: 1.4
 Temperature: -20 to +60 °C



Retroreflective Tape

NOTE: Sensing range and signal strength at any given sensor-to-target distance will vary due to target reflectivity and target area. A "Reflectivity Factor" is included for each target model to help predict sensor performance, relative to the excess gain curve plotted for target model BRT-3. Consider, also, target area when predicting performance. Changing to a high reflectivity reflector (like BRT-92X92C) may also extend sensor range and/or reduce the need for frequent reflector maintenance. A high reflectivity factor AND large surface area are needed for maximum range.

Reflectivity Factor	Maximum Temperature	Size	Model	Unit
0.7	60 °C	75 x 75 mm	BRT-THG-3X3-10	10 per pack
0.7	60 °C	100 x 100 mm	BRT-THG-4X4-5	5 per pack
0.7	60 °C	216 x 280 mm	BRT-THG-8.5X11-2	2 per pack
0.7	60 °C	457 x 914 mm	BRT-THG-18X36	Single sheet
0.7	60 °C	25 mm wide	BRT-THG-1-100	2.5 m length
0.7	60 °C	50 mm wide	BRT-THG-2-100	2.5 m length
0.7	60 °C	75 mm wide	BRT-THG-3-100	2.5 m length
0.07	175 °C	25 mm wide	BRT-THT-100†	2.5 m length
0.2	85 °C	25 mm wide	BRT-T-100CC	2.5 m length
0.8	60 °C	50 x 50 mm	BRT-TVHG-2X2*	4 per pack
0.8	60 °C	203 x 254 mm	BRT-TVHG-8X10P†	1 per pack



NOTE: Retroreflective material has a pressure-sensitive adhesive. For maximum adhesion, surfaces must be clean and dry before applying. For best results, use full size; target may be trimmed as necessary.

† These targets are not recommended for polarized retroreflective sensors.

* These are sealed micro-prism style pieces and may not be cut.

Suitable for use with Laser sensors, VS3 sensors and SME312LPC model sensors.

Not suggested for close range (less than 102 mm), except with VS3 sensors.

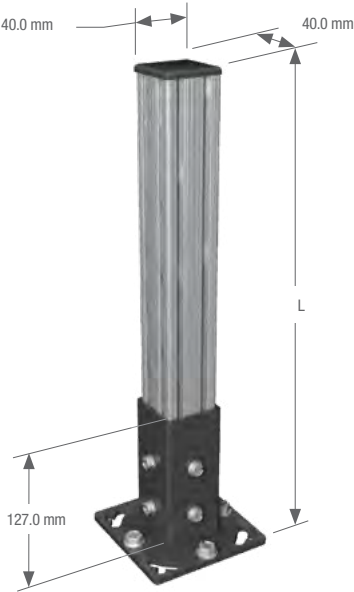
MSA Series Stands

- Supports emitter, receiver or corner mirror
- Available without stand base, for attaching to a surface
- Assembles easily
- Includes mounting hardware
- Provides mounting T-slots with center dimension of 20 mm

Used With**	Stand Height (L)	Usable Stand Length	Model*
EZ-SCREEN, PICO-GUARD Grids/Points, Mirrors, EZ-ARRAY, MINI-ARRAY and High-Resolution MINI-ARRAY	616 mm	483 mm	MSA-S24-1
	1073 mm	940 mm	MSA-S42-1
	1682 mm	1550 mm	MSA-S66-1
	2140 mm	2007 mm	MSA-S84-1
	2673 mm	2667 mm	MSA-S105-1

* Available without a base by adding suffix NB to model number (example, MSA-S24-1NB).

** Adapter brackets EZA-MBK-2 (2 each) are required for mounting EZ-SCREEN Grid and Point emitters/receivers or SSM Series mirrors (ordered separately).



Telescoping Stands for use with Run Bars

- Locates touch buttons 800 to 1232 mm above the floor surface
- Includes swivel-mount bracket to mount Run Bar (Run Bar not included)
- Made of cold-rolled steel; black powdercoat finish

Used with	Description	Model
STBVP6-RB1	Floor-mounted telescoping stand Stationary base with 4 mounting holes in corners	STBA-RB1-S1
STBVP6-RB2		STBA-RB2-S1

STBVP6-RB1	Free-standing, telescoping stand Movable H-shaped floor base with mounting holes 560 mm apart	STBA-RB1-S2
STBVP6-RB2		STBA-RB2-S2



Adjustable Mounting Systems

- Provides flexible mounting and positioning of sensors and lights
- Includes 3" and 6" column mounting kits for mounting area lights and backlights
- Features Bogen Arm and clamp for use with P4 and Pro sensors
- Offers 2" mounting knuckle assembly for spot lights

Used With	Description	Model
Pro P4 Vision Lights	3" Column, Base, and Knuckle Kit	SMBPPK3
	6" Column, Base, and Knuckle Kit	SMBPPK6
	Mounting Bracket Knuckle	SMBPPK
	3" Column	SMBPPKE3
	6" Column	SMBPPKE6
	Mounting Bracket Base	SMBPPKB
	2" Mounting Knuckle Assembly	SMBPPLK
	Bogen Arm with Single Knob	SMBPPF1
	Bogen Arm Clamp	SMBPPFB



SMBPPF1 & SMBPPFB



SMBPPLK

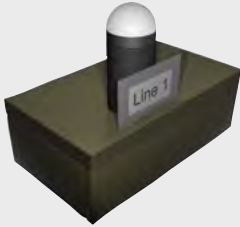


SMBPPK6 SMBPPK3

Elevated Use—Stand-off Pipe, Brackets and Adapters

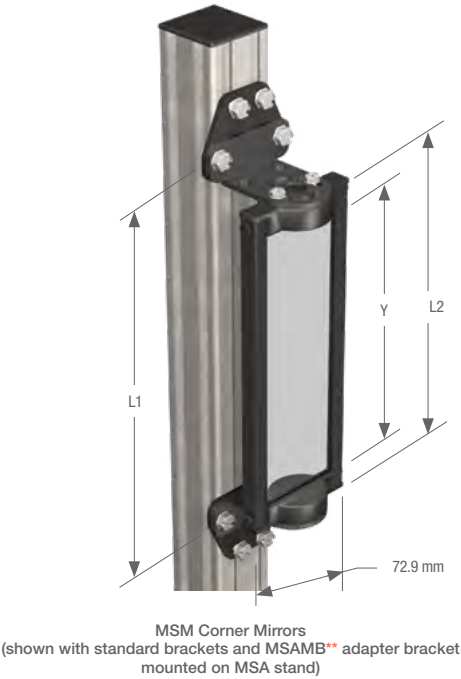
	Description	Length	Model	Used With
	Thermoplastic Acetal adapter and cover (M30 to 1/2" NPSM/DN15)	—	SA-M30TE12	TL50
	Thermoplastic Acetal adapter and cover (M30 to 1/2" NPSM/DN15)	—	SA-M30E12	K50L K80L
	Stainless steel pipe (1/2" NPSM/DN15)	150 mm	SOP-E12-150SS	K50L K80L TL50
		300 mm	SOP-E12-300SS	
		900 mm	SOP-E12-900SS	
	Anodized aluminum pipe (1/2" NPSM/D15)	150 mm	SOP-E12-150AC	K50L K80L TL50
		300 mm	SOP-E12-300AC	
		900 mm	SOP-E12-900AC	
	Black Anodized aluminum pipe (1/2" NPSM/D15)	150 mm	SOP-E12-150A	K50L K80L TL50
		300 mm	SOP-E12-300A	
		900 mm	SOP-E12-900A	
	Thermoplastic Acetal mounting base (1/2" NPSM/DN15 to M30)	—	SA-E12M30	K50L, K80L, TL50
	Stainless steel bracket for wall or other flat surfaces	—	SMBE12USS	K50L K80L TL50

Elevated Use—Enclosure Mounts and Extensions

Description	Length	Model	Used With
 Thermoplastic Acetal standoff with 30 mm mounting base for cabinet mounting or use with most 30 mm brackets 75 mm SA-M30M30-75 K50L			
 Zinc coated, oversized right-angle legend plate for identification labels — SA-30RL55X93 SA-M30M30-75			
 Thermoplastic Acetal standoff with 22.5 mm mounting base for cabinet mounting 50 mm SA-M22M22-50 K30L			

Elevated Use—Hanging Bracket

Description	Length	Model	Used With
 Zinc coated bracket with strain relief for mounting one device — SA-30RL55X93C K50 Push Button VTB			
 Zinc coated bracket for mounting two devices — SA-30DRL55X93C Sensors and indicators with 30 mm base or barrel mount			



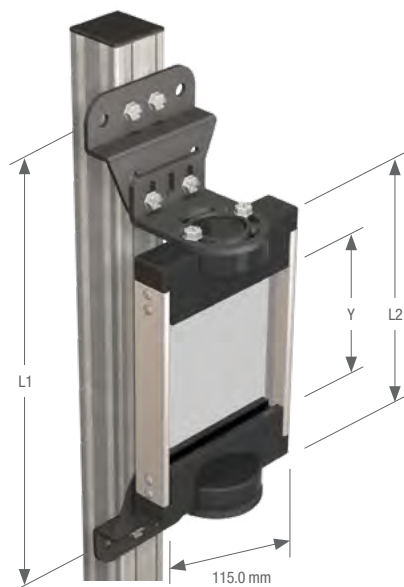
MSM Corner Mirrors

- Compact for light-duty applications
- Available in 12 lengths
- Decreases range by 8%
- Rated 85% efficiency

Reflective Area (Y)	Mounting Height (L1)*	Mirror Height (L2)	Model
165 mm	221 mm	191 mm	MSM4A
267 mm	323 mm	292 mm	MSM8A
356 mm	411 mm	381 mm	MSM12A
457 mm	513 mm	483 mm	MSM16A
559 mm	615 mm	584 mm	MSM20A
660 mm	716 mm	686 mm	MSM24A
762 mm	818 mm	787 mm	MSM28A
864 mm	919 mm	889 mm	MSM32A
965 mm	1021 mm	991 mm	MSM36A
1067 mm	1123 mm	1092 mm	MSM40A
1168 mm	1224 mm	1194 mm	MSM44A
1270 mm	1326 mm	1295 mm	MSM48A

* The mounting brackets may be inverted from the positions shown (flanges pointing "inward" instead of "outward," as shown). When this is done, dimension L1 decreases by 57 mm.

** MSAMB adapter bracket kit included with each MSA stand.



SSM and SSM-S Corner Mirrors
(shown with standard brackets and EZA-MBK-2**
adapter bracket mounted on MSA stand)

SSM Glass Corner Mirrors

- Robust for heavy-duty applications
- Extra wide for use with long-range optical safety systems
- Available in stainless steel for harsh applications
- Available in 20 lengths
- Rated 85% efficiency for SSM models and 50% on SSM-S models
- Decreases range by 8% for SSM models and 30% for SSM-S models

Reflective Area (Y)	Mounting Height (L1)*	Mirror Height (L2)	Glass Models	Stainless Steel Models
100 mm	211 mm	178 mm	SSM-100	SSM-100-S
150 mm	261 mm	228 mm	SSM-150	SSM-150-S
200 mm	311 mm	278 mm	SSM-200	SSM-200-S
250 mm	361 mm	328 mm	SSM-250	SSM-250-S
375 mm	486 mm	453 mm	SSM-375	SSM-375-S
475 mm	586 mm	553 mm	SSM-475	SSM-475-S
550 mm	661 mm	628 mm	SSM-550	SSM-550-S
675 mm	786 mm	753 mm	SSM-675	SSM-675-S
825 mm	936 mm	903 mm	SSM-825	SSM-825-S
875 mm	986 mm	953 mm	SSM-875	SSM-875-S
975 mm	1086 mm	1053 mm	SSM-975	SSM-975-S
1100 mm	1211 mm	1178 mm	SSM-1100	SSM-1100-S
1175 mm	1286 mm	1253 mm	SSM-1175	SSM-1175-S
1275 mm	1386 mm	1353 mm	SSM-1275	SSM-1275-S
1400 mm	1511 mm	1478 mm	SSM-1400	SSM-1400-S
1475 mm	1586 mm	1553 mm	SSM-1475	SSM-1475-S
1550 mm	1661 mm	1628 mm	SSM-1550	SSM-1550-S
1675 mm	1786 mm	1753 mm	SSM-1675	SSM-1675-S
1750 mm	1861 mm	1828 mm	SSM-1750	SSM-1750-S
1900 mm	2011 mm	1978 mm	SSM-1900	SSM-1900-S

* The mounting brackets may be inverted from the positions shown (flanges pointing "inward" instead of "outward," as shown). When this is done, dimension L1 decreases by 58 mm.

** One EZA-MBK-2 adapter bracket kit required if used with a MSA stand.

NOTE: The total range decreases by approximately 8% per mirror.

Tubular Enclosures

- Available for EZ-ARRAY™, MINI-ARRAY® or EZ-SCREEN® standard 14 & 30 mm
- Ideal for high-pressure washdown environments
- Made of clear FDA-grade polycarbonate tubing, with acetal end caps
- Includes stainless mounting brackets and hardware
- Rated NEMA 4X; IP67



EZA-TE Tubular Enclosures

Emitter/Receiver Model		Used With Emitter/Receiver		
EZ-SCREEN	EZ-ARRAY	Defined Area/Array Length	Enclosure Height (L)	Model
SLS..-150	EA5..-150	150 mm	439 mm	EZA-TE-150
SLS..-300	EA5..-300	300 mm	541 mm	EZA-TE-300
SLS..-450	EA5..-450	450 mm	744 mm	EZA-TE-450
SLS..-600	EA5..-600	600 mm	846 mm	EZA-TE-600
SLS..-750	EA5..-750	750 mm	1024 mm	EZA-TE-750
SLS..-900	EA5..-900	900 mm	1151 mm	EZA-TE-900
SLS..-1050	EA5..-1050	1050 mm	1354 mm	EZA-TE-1050
SLS..-1200	EA5..-1200	1200 mm	1455 mm	EZA-TE-1200
SLS..-1350	—	1350 mm	1608 mm	EZA-TE-1350
SLS..-1500	EA5..-1500	1500 mm	1760 mm	EZA-TE-1500
SLS..-1650	—	1650 mm	1913 mm	EZA-TE-1650
SLS..-1800	EA5..-1800	1800 mm	2065 mm	EZA-TE-1800

NOTE: Use of the enclosure affects the sensing range of the emitter/receiver used: when in pairs, range can be reduced by 50%.

MSA-TE Tubular Enclosures

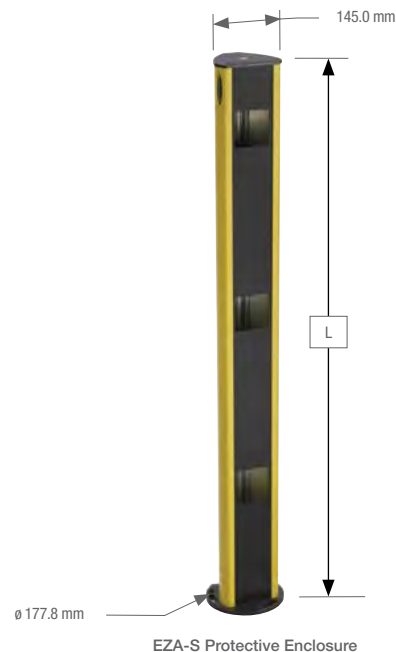
		Used With		
Emitter/Receiver Model		Emitter/Receiver Array Length	Enclosure Height (L)	Model
MINI-ARRAY	BMEL616A/BMRL616A	201 mm	439 mm	MSA-TE-8
	BMEL632A/BMLR632A			
High-Resolution MINI-ARRAY	MAHE6A/MAHR6A	233 mm		
MINI-ARRAY	BMEL1216A/BMRL1216A	356 mm	541 mm	MSA-TE-12
	BMEL1232A/BMRL1232A	356 mm		
High-Resolution MINI-ARRAY	MAHE13A/MAHR13A	396 mm		
MINI-ARRAY	BMEL1816A/BMRL1816A	505 mm	744 mm	MSA-TE-20
	BMEL1832A/BMRL1832A	505 mm		
High-Resolution MINI-ARRAY	MAHE19A/MAHR19A	559 mm		
MINI-ARRAY	BMEL2416A/BMRL2416A	659 mm	846 mm	MSA-TE-24
	BMEL2432A/BMRL2432A	659 mm		
High-Resolution MINI-ARRAY	MAHE26A/MAHR26A	721 mm	947 mm	MSA-TE-28

NOTE: Use of the enclosure affects the sensing range of the emitter/receiver used: when in pairs, range can be reduced by 50%.

MSA-TE Tubular Enclosures (cont'd)

Used With		Emitter/Receiver Array Length	Enclosure Height (L)	Model
MINI-ARRAY	BMEL3016A/BMRL3016A	810 mm	1049 mm	MSA-TE-32
High-Resolution MINI-ARRAY	BMEL3032A/BMRL3032A	884 mm		
MINI-ARRAY	MAHE32A/MAHR32A	963 mm	1151 mm	MSA-TE-36
High-Resolution MINI-ARRAY	MAHE38A/MAHR38A	1046 mm		
MINI-ARRAY	BMEL4216A/BMRL4216A	1115 mm	1354 mm	MSA-TE-44
High-Resolution MINI-ARRAY	BMEL4232A/BMRL4232A	1212 mm		
MINI-ARRAY	MAHE45A/MAHR45A	1267 mm	1455 mm	MSA-TE-48
High-Resolution MINI-ARRAY	MAHE51A/MAHR51A	1377 mm		

NOTE: Use of the enclosure affects the sensing range of the emitter/receiver used: when in pairs, range can be reduced by 50%.



EZA-S Protective Enclosures

- Provide rugged protection for sensors and mirrors in high-traffic areas
- Available for mirrors and EZ-SCREEN® Point and Grid
- Meets ANSI/RIA 15.06 and ISO 13855 standards for beam spacing
- Includes independently adjustable mirrors and bubble level to simplify alignment
- Rotates up to 20°

EZA-S EZ-SCREEN® Protective Enclosures

Used With		Enclosure Height (L)	No. of Openings	Application Standard	Models
Emitter/Receiver Model	Emitter/Receiver Protected Area				
SG..4-300	900 mm	1543 mm	4	ANSI/RIA R15.06 ISO 13855	EZA-S300 EZA-S300-M*
SG..3-400	800 mm	1238 mm	3	ANSI/RIA R15.06 ISO 13855	EZA-S400 EZA-S400-M*

Continued on next page

* Model numbers with suffix **M** include vertical mirrors for perimeter-guarding applications.

Model numbers with suffix **M45** include two 45°-mounted mirrors for access-guarding applications.

NOTE: The rear-surfaced glass mirrors are rated at 85% efficiency per mirror and reduce maximum range by 8% per mirror.

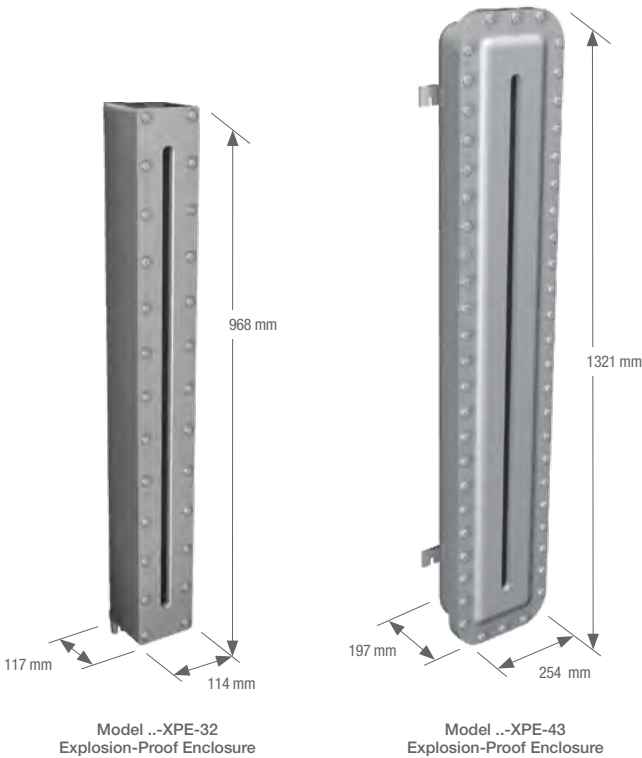
EZA-S EZ-SCREEN® Protective Enclosures (cont'd)

Used With					
Emitter/Receiver Model	Emitter/Receiver Protected Area	Enclosure Height (L)	No. of Openings	Application Standard	Models
SG..2-500	500 mm	1035 mm	2	ISO 13855	EZA-S500
SP..1	—				EZA-S500-M* EZA-S500-M45*
SG..3-533	1066 mm	1543 mm	3	ANSI/RIA R15.06	EZA-S533 EZA-S533-M*
SG..2-584	584 mm	1238.2 mm	2	ANSI/RIA R15.06	EZA-S584
SP..1	—				EZA-S584-M* EZA-S584-M45*

* Model numbers with suffix **M** include vertical mirrors for perimeter-guarding applications.
Model numbers with suffix **M45** include two 45°-mounted mirrors for access-guarding applications.
NOTE: The rear-surfaced glass mirrors are rated at 85% efficiency per mirror and reduce maximum range by 8% per mirror.

Explosion-Proof Enclosures

- Protects light screen in environments with flammable gases, liquids or dust
- Available for EZ-SCREEN® 14 and 30 resolution models
- Complies with UL and CSA for use in specific hazardous atmospheres
- Includes mounting brackets and hardware
- Reduces range by approximately 25% per emitter/receiver pair



Used With		
Model Family	Emitter/Receiver Defined Area	Model
EZ-SCREEN (14 and 30 mm Resolution)	450 to 600 mm	SS-XPE-32
EZ-SCREEN (14 and 30 mm Resolution)	750 to 1050 mm	SS-XPE-43

NOTE: Use of enclosure affects the sensing range of emitter/receiver used: when used in pairs, range can be reduced by 25%.

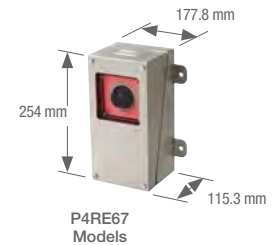
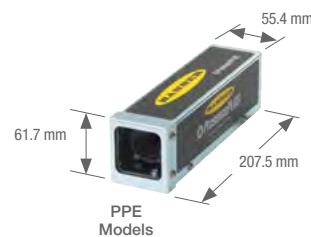
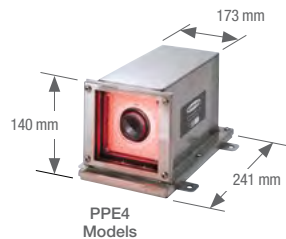
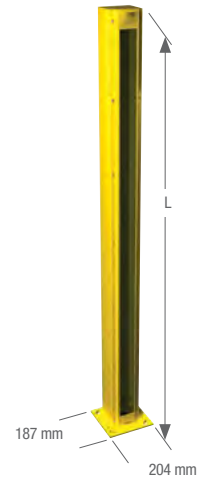
Heated Enclosures

- Available for MINI-ARRAY® or High-Resolution MINI-ARRAY®
- Protects emitter/receiver in outdoor environments
- Includes humidistat and resistance wires to keep window free of condensation, snow or ice
- Provides choice of stainless steel or aluminum housings

Material	Finish*	Array Length	Overall Enclosure/Height (L)	Clear Window Height	Model
Aluminum	Painted	133 to 1210 mm	1.7 m	1.5 m	BMHE4A/BMHL4G
Aluminum	Painted	1505 to 1514 mm	2.0 m	1.8 m	BMHE5A/BMHL5G
Aluminum	Painted	1810 to 1819 mm	2.2 m	2.0 m	BMHE6A/BMHL6G
Stainless Steel	Painted	133 to 1210 mm	1.7 m	1.5 m	BMHE4SS/BMHL4GSS
Stainless Steel	Painted	1505 to 1514 mm	2.0 m	1.8 m	BMHE5SS/BMHL5GSS
Stainless Steel	Painted	1810 to 1819 mm	2.2 m	2.0 m	BMHE6SS/BMHL6GSS
Stainless Steel	Non-painted	133 to 1210 mm	1.7 m	1.5 m	BMHE4SSN/BMHL4GSSN
Stainless Steel	Non-painted	1505 to 1514 mm	2.0 m	1.8 m	BMHE5SSN/BMHL5GSSN
Stainless Steel	Non-painted	1810 to 1819 mm	2.2 m	2.0 m	BMHE6SSN/BMHL6GSSN

NOTE: Enclosures require a power (see page 819).

* Standard color is Federal Safety Yellow (Federal Standard color# 23538). Contact Factory for other colors.



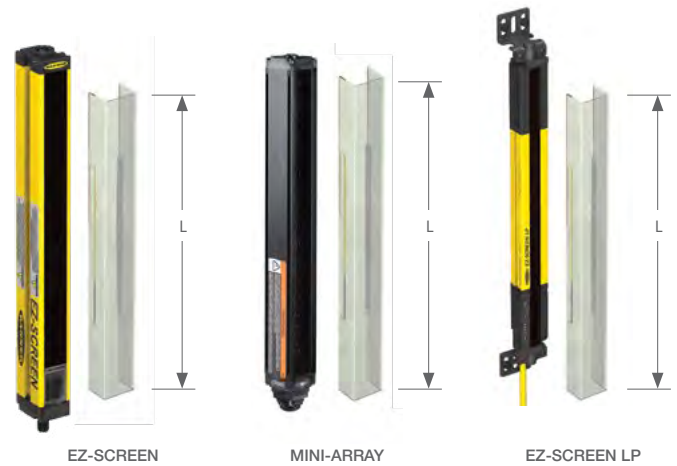
PresencePLUS® Enclosure Kits

- Protects sensor, ring light or both
- Keeps dust and dirt off lens and light
- Prevents accidental bumps and scratches
- Discourages vandalism and tampering
- Helps maintain lens focus by enclosing the lens and sensor
- Available in models that protect camera and light during washdown
- Offers choice of models with glass or plastic viewport

Description	Used With	Model
Heavy-duty stainless-steel enclosure kit—glass viewport; NEMA 6 rated	P4 (right-angle) & Ring Light	P4RE67-G
Heavy-duty stainless-steel enclosure kit—polycarbonate viewport; NEMA 6 rated		P4RE67-P
Heavy-duty cold-rolled steel industrial protection kit—glass viewport; NEMA 1 rated	Pro Camera & Lens	PPE-G
Heavy-duty cold-rolled steel industrial protection kit—polycarbonate viewport; NEMA 1 rated		PPE-P
Replacement viewport—glass	PPE-G	PPE-RG
Replacement viewport—polycarbonate	PPE-P	PPE-RP
Straight Mounting bracket	PPE-P & PPE-G	SMBPPES
Right-angle mounting bracket		SMBPPEA
Front mounting bracket		SMBPPEF
Heavy-duty stainless-steel enclosure kit—glass viewport; NEMA 4 rated	Pro Camera & Ring Light	PPE4-G
Heavy-duty stainless-steel enclosure kit—polycarbonate viewport; NEMA 4 rated		PPE4-P

Lens Shields

- Covers the lens of the emitter/receiver to prevent damage
- Available for the LX, EZ-ARRAY™, MINI-ARRAY® and EZ-SCREEN®
- Installs easily
- Made of rugged polycarbonate



EZ-ARRAY™ & EZ-SCREEN® (14 & 30 mm Resolution) Lens Shields

Installation*	Used With		Defined Area/Array Length	Lens Shield Length (L)		Model
	EZ-ARRAY	EZ-SCREEN				
Adhesive	EA5..150	—	150 mm	218 mm		EZS-150EA
Snap-on				196 mm		EZSS-150EA
Adhesive	—	SLS..-150..	150 mm	258 mm		EZS-150
Snap-on				236 mm		EZSS-150
Adhesive	EA5..300	SLS..-300..	300 mm	368 mm		EZS-300
Snap-on				346 mm		EZSS-300
Adhesive	EA5..450	SLS..-450..	450 mm	518 mm		EZS-450
Snap-on				496 mm		EZSS-450
Adhesive	EA5..600	SLS..-600..	600 mm	667 mm		EZS-600
Snap-on				645 mm		EZSS-600
Adhesive	EA5..750	SLS..-750..	750 mm	817 mm		EZS-750
Snap-on				795 mm		EZSS-750
Adhesive	EA5..900	SLS..-900..	900 mm	967 mm		EZS-900
Snap-on				945 mm		EZSS-900
Adhesive	EA5..1050	SLS..-1050..	1050 mm	1116 mm		EZS-1050
Snap-on				1094 mm		EZSS-1050
Adhesive	EA5..1200	SLS..-1200..	1200 mm	1266 mm		EZS-1200
Snap-on				1244 mm		EZSS-1200
Adhesive	—	SLS..-1350..	1350 mm	1416 mm		EZS-1350
Snap-on				1394 mm		EZSS-1350
Adhesive	—	SLS-1650..	1650 mm	1715 mm		EZS-1650
Snap-on				1693 mm		EZSS-1650
Adhesive	EA5..1500	SLS..-1500..	1500 mm	1565 mm		EZS-1500
Snap-on				1543 mm		EZSS-1500
Adhesive	EA5..1800	SLS..-1800..	1800 mm	1865 mm		EZS-1800
Snap-on				1843 mm		EZSS-1800
Snap-on	EA5..2100	—	2100 mm	2144 mm		EZSS-2100

NOTE: When shields are installed on both the emitter and receiver, maximum operating range is reduced by 20%.

* Adhesive models are polycarbonate with neoprene gasket. Snap-on models are constructed of copolyester.

MINI-ARRAY® Lens Shields

Used With					
Installation	Emitter/Receiver Model		Array Length	Lens Shield Length (L)*	Model
Adhesive	MINI-ARRAY	BMEL1216A/BMRL1216A	286 mm	341 mm	MSS12
		BMEL1232A/BMRL1232A	295 mm		
Adhesive	MINI-ARRAY	BMEL2416A/BMRL2416A	591 mm	643 mm	MSS24
		BMEL2432A/BMRL2432A	600 mm		
Adhesive	MINI-ARRAY	BMEL3616A/BMRL3616A	895 mm	948 mm	MSS36
		BMEL3632A/BMRL3632A	905 mm		
Adhesive	MINI-ARRAY	BMEL4816A/BMRL4816A	1200 mm	1253 mm	MSS48
		BMEL4832A/BMRL4832A	1210 mm		

NOTE: When shields are installed on both the emitter and receiver, maximum operating range is reduced by 20%.

* Other lens shield lengths are available, contact factory at 1-888-373-6767.

EZ-SCREEN® LP (14 & 25 mm Resolution) Lens Shields

Used With			
Installation*	Emitter/Receiver Model	Lens Shield Length (L)	Model
Snap-on	SLP.-270	270 mm	LPSS-270
Snap-on	SLP.-410	410 mm	LPSS-410
Snap-on	SLP.-550	550 mm	LPSS-550
Snap-on	SLP.-690	690 mm	LPSS-690
Snap-on	SLP.-830	830 mm	LPSS-830
Snap-on	SLP.-970	970 mm	LPSS-970
Snap-on	SLP.-1110	1110 mm	LPSS-1110
Snap-on	SLP.-1250	1250 mm	LPSS-1250
Snap-on	SLP.-1390	1390 mm	LPSS-1390
Snap-on	SLP.-1530	1530 mm	LPSS-1530
Snap-on	SLP.-1670	1670 mm	LPSS-1670
Snap-on	SLP.-1810	1810 mm	LPSS-1810

NOTE: When shields are installed on both the emitter and receiver, maximum operating range is reduced by 20%.

* Adhesive models are polycarbonate with neoprene gasket. Snap-on models are constructed of copolyester.

EZ-SCREEN® Grids and Points Lens Shields–Adhesive Backed

Type	Lens Shield Length (L)	Emitter/Receiver Model	Emitter/Receiver Protected Height	Model
Point	149 mm	SP..1	—	EZS-149
	684 mm	SG..2-500	500 mm	EZS-684
	768 mm	SG..2-584	584 mm	EZS-768
Grid	984 mm	SG..3-400	800 mm	EZS-984
	1251 mm	SG..3-533	900 mm	EZS-1251
	1084 mm	SG..4-300	1066 mm	EZS-1084

Polycarbonate construction with neoprene gasket

EZ-SCREEN® Type 2 Lens Shields–Adhesive Backed

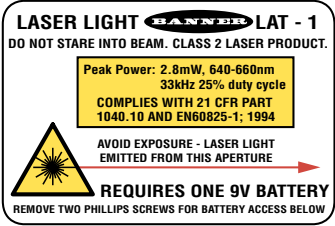
Used With			
Emitter/Receive Model	Emitter/Receiver Defined Area	Lens Shield Length (L)	Model
LS2..30-300	300 mm	360 mm	LSS-300
LS2..30-450	450 mm	510 mm	LSS-450
LS2..30-600	600 mm	660 mm	LSS-600
LS2..30-750	750 mm	810 mm	LSS-750
LS2..30-900	900 mm	959 mm	LSS-900
LS2..30-1050	1050 mm	1109 mm	LSS-1050
LS2..30-1200	1200 mm	1558 mm	LSS-1200
LS2..30-1350	1350 mm	1708 mm	LSS-1350
LS2..30-1500	1500 mm	1858 mm	LSS-1500

Polycarbonate construction with neoprene gasket.

LX Lens Shields

Installation	Used With		Lens Shield Length (L)	Model
	Emitter/Receiver Model	Array Length		
Adhesive	LX3 models	67 mm	98.3 mm	LXS3
	LX6 models	143 mm	174.5 mm	LXS6
	LX12 models	295 mm	326.9 mm	LXS12

NOTE: When shields are installed on both the emitter and receiver, maximum operating range is reduced by 20%.



Laser Alignment Tools

- Simplifies the alignment of any emitter/receiver pair
- Available for EZ-SCREEN®, PICO-GUARD™, LT7, and 18 and 30 mm barrel sensors
- Includes a built-in bubble level
- Uses one 9-volt battery, which is included(some models)

Used With	Supply Voltage	LAT-1 with Clip Kit	Clip w/Target*
EZ-SCREEN Grid or Points and PICO-GUARD Grids	9 V battery for 20 hours of continuous use	LAT-1-HD	EZA-LAT-1
EZ-SCREEN 14 & 30 mm Resolution		LAT-1-SS	EZA-LAT-2
EZ-SCREEN LP 14 & 25 mm Resolution		LAT-1-LP	LPA-LAT-1
EZ-SCREEN Type 2		LAT-1-LS	LSA-LAT-1
EZ-SCREEN Grid or Points, PICO-GUARD Grids, EZ-SCREEN 14 & 30 mm Resolution, EZ-SCREEN LP 14 & 25 mm Resolution and EZ-SCREEN Type 2		LAT-1	—

Description	Used With	Supply Voltage	Model
 LAT-2 shown with LT7	LT7	—	LAT-2
 • Enables easy sensor alignment at long distances • Kit includes one SMB1812 bracket and M12 laser emitter (Class 2 visible red laser) • Clip-on attachment for 18 mm threaded barrel sensors	18 mm threaded barrel sensors	10 to 30V dc	LAT1812
 • Enables easy sensor alignment at long distances • Kit includes one SMB3012 bracket and M12 laser emitter (Class 2 visible red laser) • Clip-on attachment for 30 mm threaded barrel sensors	30 mm threaded barrel sensors	10 to 30V dc	LAT3012

* LAT-1 purchased separately.

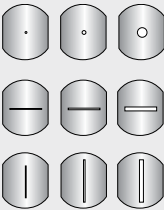
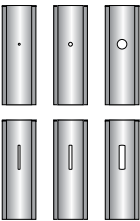
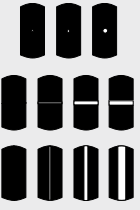
BEAM-TRACKER™ Alignment Tool

The BEAM-TRACKER is a low-cost, wireless, battery-operated and completely self-contained photoelectric diagnostic sensor. It is a quick and simple way to evaluate photoelectric system performance. It receives light from all modulated photoelectric emitters and transmits light to receivers to check the system operation. It has a built-in frequency emitter that will be detected by any Banner photoelectric receiver, as well as by those of most other photoelectric manufacturers. It is a valuable tool for locating the center of the beam when installing long-range opposed-mode photoelectric sensor pairs and for locating sources of severe EMI and RFI noise.

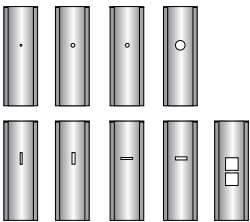
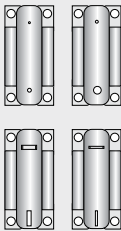
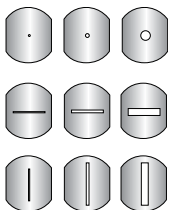
	Supply Voltage	Beam	Construction	Model
	9 V battery for 10 hours of continuous use	70 kHz infrared	Cyclac® T case	BT-1

Apertures and Aperture Kits

Opposed-mode sensors may be fitted with apertures which narrow or shape the effective beam of the sensor to more closely match the size of profile of the object to be sensed. A common example is the use of "line" or "slit" type aperture when wire or thread is being sensed.

Aperture Description	Units	Model	Product	Used With
Circular, 0.5 mm dia.	6	APQS18-020		QS18 Opposed-mode
Circular, 1.0 mm dia.	6	APQS18-040		
Circular, 2.5 mm dia.	6	APQS18-100		
Horizontal, slotted, 0.5 x 6.4 mm	6	APQS18-020H		
Horizontal, slotted, 1.0 x 6.4 mm	6	APQS18-040H		
Horizontal, slotted, 2.5 x 6.4 mm	6	APQS18-100H		
Vertical, slotted, 0.5 x 12.7 mm	6	APQS18-020V		
Vertical, slotted, 1.0 x 12.7 mm	6	APQS18-040V		
Vertical, slotted, 2.5 x 12.7 mm	6	APQS18-100V		
Kit with 2 of each aperture	18	APQS18-DVHX2		
Circular, 0.5 mm dia.	2	APQ20-0.5		Q20 Opposed-mode
Circular, 1 mm dia.	2	APQ20-1		
Circular, 2 mm dia.	2	APQ20-2		
Vertical, slotted, 0.5 mm	2	APQ20-0.5V		
Vertical, slotted, 1 mm	2	APQ20-1V		
Vertical, slotted, 2 mm	2	APQ20-2V		
Kit with 2 of each aperture	12	APK-Q20		
Circular, 0.5 mm dia.	20	AP31-020		MINI-BEAM Opposed-mode
Circular, 1.0 mm dia.	20	AP31-040		
Circular, 2.5 mm dia.	20	AP31-100		
Horizontal, slotted, 0.5 x 6.4 mm	20	AP31-020H		
Horizontal, slotted, 1.0 x 6.4 mm	20	AP31-040H		
Horizontal, slotted, 2.5 x 6.4 mm	20	AP31-100H		
Horizontal, slotted, 5.1 x 6.4 mm	20	AP31-200H		
Vertical, slotted, 0.5 x 12.7 mm	20	AP31-020V		
Vertical, slotted, 1.0 x 12.7 mm	20	AP31-040V		
Vertical, slotted, 2.5 x 12.7 mm	20	AP31-100V		
Vertical, slotted, 5.1 x 12.7 mm	20	AP31-200V		
Kit with 2 of each aperture	22	AP31-DVHX2		

Apertures and Aperture Kits (cont'd)

Aperture Description	Units	Model	Product	Used With
Kit includes 3 round apertures of: 0.5, 1.0 & 2.5 mm dia.	3	AP18SC*		S18 & M18
Kit includes 3 rectangular apertures of: 0.5, 1.0 & 2.5 mm dia.	3	AP18SR*		S18 & M18
Kit includes 3 round apertures of: 0.5, 1.0 & 2.5 mm dia.	3	AP18SCN*		T18 & TM18
Kit includes 3 rectangular apertures of: 0.5, 1.0 & 2.5 mm dia.	3	AP18SRN*		T18 & TM18
* Kits include Teflon® FEP® lens, o-ring and thread-on housing.				
Kit with glass lens to protect plastic sensor lens from chemical environments	1	APG18S		S18, M18, T18 & TM18
Circular, 0.5 mm dia.	10	APQ12-.5		Q12 Opposed-mode
Circular, 1.0 mm dia.	10	APQ12-1		
Circular, 1.5 mm dia.	10	APQ12-1.5		
Circular, 2.0 mm dia.	10	APQ12-2		
Horizontal, slotted, 0.5 mm dia.	10	APQ12-.5H		
Horizontal, slotted, 1.0 mm dia.	10	APQ12-1H		
Vertical, slotted, 0.5 mm dia.	10	APQ12-.5V		
Vertical, slotted, 1.0 mm dia.	10	APQ12-1V		
Protective jacket, 4 mm square	10	APQ12-4S		
Kit containing 2 of each aperture	18	APKQ12		
Circular, 2 openings, 0.5 & 1.0 mm dia.	2	APVS2-0204		VS2 Opposed-mode
Circular, 2 openings, 1.5 and 2.0 mm dia.	2	APVS2-0608		
Horizontal (1) and vertical (1), slotted, 0.5 mm wide	2	APVS2-02R		
Horizontal (1) and vertical (1), slotted, 1.0 mm wide	2	APVS2-04R		
Circular, 1.0 mm dia.	6	APQS30-040		QS30 Opposed-mode
Circular, 2.5 mm dia.	6	APQS30-100		
Circular, 5 mm dia.	6	APQS30-200		
Horizontal, slotted, 1 x 12 mm	6	APQS30-040H		
Horizontal, slotted, 2.5 x 12 mm	6	APQS30-100H		
Horizontal, slotted, 5 x 12 mm	6	APQS30-200H		
Vertical, slotted, 1 x 17 mm	6	APQS30-040V		
Vertical, slotted, 2.5 x 17 mm	6	APQS30-100V		
Vertical, slotted, 5 x 17 mm	6	APQS30-200V		
Kit with 2 of each aperture	18	APQS30-DVHX2		

* Teflon® is a registered trademark of Dupont™.

Ultrasonic Wave Guides

Guide attaches to 18 mm threaded barrel of ultrasonic sensors to focus ultrasonic sensing beam.



Size	Style	Model	Used With
5.0 mm inside dia.	Barrel	UWG18-5.0	QS18U S18U
6.4 mm inside dia.	Barrel	UWG18-6.4	

Replacement Lens Assemblies

Lens assemblies are field-replaceable. In addition, some lenses may be used to convert from one sensing mode to another, or to change the sensing range of a particular sensor. The possible conversions are listed in the table below.

Replacement Lens for	Possible Sensing Mode or Range Changes	Model	Used With
LVAG	Change LV to LVAG	UC-300AG	MINI-BEAM
W and DBZ	Change D to DBZ and F to DBZ	UC-300BZ	
C, CV and CVG	Change CV2 to CV	UC-300C.7	
C2 and CV2	Change CV to CV2	UC-300C2	
E and R	—	UC-300E	
EL and RL	Extend range of E/R	UC-300EL	
EPD	—	UC-300EPD	
F and FV	Change D to F and DBZ to F	UC-300F	
FP (old style)	—	UC-300FP	
FP	—	UC-300FP2	
LV and D	Change F to D, LVAG to LV and DBZ to D	UC-300L	
LP	—	UC-300LP	
RPD	—	UC-300RPD	
E, R, DL, DX and LV	N/A	UC-45L	Q45
LL		UC-45LL	
LLP		UC-45LLP	
LP		UC-45LP	
D		UC-45D	
F and FV		UC-45F	
FP		UC-45FP	
CV		UC-45C	
CV4		UC-45C4	

Portable Demo Box

The Portable Demo Box is used to power dc self-contained photoelectric sensors for testing purposes. It is battery-powered and features bicolor LEDs which indicate sensor output status and output type (NPN or PNP). It is designed for a 4-pin Euro-style connector, but cable adapters are available to convert to Pico-style or Mini-style connectors. A 4-pin wiring barrier is mounted on the top of the box to allow connection of cabled dc sensors.

	Supply Voltage	Cable Type	Model	Cable Adapters
	3 - 9 V battery	4-pin Euro	DBQ5	Euro-to-Pico p/n 39536 Euro-to-Mini p/n 39537

Test Power Supply

Test power supply is a 1 amp power supply used to power *P4* sensors and lighting for proving an application without integration into a control panel.



Input	Input	Trigger Option	Model	Used With
100-240 V ac	North America (AC plug)	• 24 V dc NPN Sensor • Continuous pulse • Single pulse	P4D1	<i>P4</i> Vision Lighting

A-GAGE® MINI-ARRAY® Series Power Supplies for Heated Enclosures



Used With	Primary	Secondary	Models
Two BMHE4 Enclosures	105 to 130 V ac	23 V ac	BMHPS4
Two BMHE5 Enclosures	105 to 130 V ac	27 V ac	BMHPS5
Two BMHE6 Enclosures	105 to 130 V ac	35 V ac	BMHPS6
One BMHE4 Enclosure	105 to 130 V ac	23 V ac	BMHPS14
One BMHE5 Enclosure	105 to 130 V ac	27 V ac	BMHPS15
One BMHE6 Enclosure	105 to 130 V ac	35 V ac	BMHPS16

Continuous Power Supplies

12 or 24V dc power supplies provide power to dc sensors, safety products and specialty lights.

	Input	Input Cord	Outputs	Output Cable	Model	Used With
	100-240 V ac 50/60 Hz	—	24 V dc @ 4 A max.	—	PSDINA-24-4 (DIN-rail mountable)	dc Sensors Vision Lights
	115/230 V ac, 50-60 Hz	—	24 V dc (22.5-28.5 V dc adj.) @ 2.5 A (60 W)	—	PSDINA-24* (DIN-rail mountable)	Safety products requiring a SELV rating (EN 60950)

* These products are not stocked and are non-returnable.

USB Serial Adapter

Description	Power	Model	Used With
 USB to RS-485 serial adapter with integral communication cordset and USB cable for advanced configuration with a PC.	USB Cable	EZA-USB485-01	EZ-ARRAY
 USB to RS-485 serial adapter with integral communication cordset and USB cable for easy configuration of a single sensor or a network of sensors.	USB Cable	INTUSB485-LH	LH
 USB to RS-485 serial adapter for advanced configuration with a PC. NOTE: Communication cordset ordered separately.	USB Cable	INTUSB485-1	EZ-ARRAY

Power Supplies and Interface Modules

The power supplies provide a low-cost interface between ac power supply and dc-operated sensors. They can source up to 100 milliamps. All models are available with integral TEACH push button and remote TEACH function. The interface module is a passive module that allows additional status indicators to be located in the user's control cabinet. It provides remote indication and TEACH capability.

	Description	Sensor Input	Input Supply	Sensor Supply	Models
	Power Supply e/m relay output, status lights, and TEACH button	NPN	24 V ac	15 V dc	PS24-1N
		PNP			PS24-1P
		NPN	115 V ac		PS115-1N
		PNP			PS115-1P
	Passive Interface Module Status lights and TEACH button	—	10-30V dc	—	SIM-525T

Sensor Interface Modules

Low-cost modules provide a dc powered interface for sensors.

	Input	Outputs	Connections	Model	Used With
	10-30 V dc	Current Sinking (NPN)	Two 13-pin Terminals	PPSIM-NT	<i>PresencePLUS P4</i>
			One 13-pin Terminals One DB-15 Connector	PPSIM-NC	
		Current Sourcing (PNP)	Two 13-pin Terminals	PPSIM-PT	
			One 13-pin Terminals One DB-15 Connector	PPSIM-PC	
	10-30 V dc	Current Sinking (NPN)/ Current Sourcing (PNP)	Two 13-pin Terminals	IVUSIM	iVu

Light Interface Modules

Low-cost interface module allows strobe operation of Banner vision lighting with any vision sensor or system.

	Input	Strobe Output	Model	Used With
	24 V dc	5 V @ 10 mA max.	PPLIM	Vision lighting

EZ-LIGHT™ Controllers

- Manually operated controllers for Andon, call-for-parts and machine status indication
- Toggle switch model can control up to 5 indicators simultaneously

	Description	Switch Function	Supply Voltage	Model	Used With
	5 toggle switches	ON-OFF-FLASH	30 V dc	LC80T	EZ-LIGHT indicators with PNP input
	12-position rotary switch			LC80R	

AC Emitter/Receiver Interface Boxes

- Provides AC power for up to three receivers or two cascaded emitter/receiver pairs, with external device monitoring (EDM) available
- Supplies +24V dc power at 0.7 amps (16.8 W max. power) and accepts input voltages from 100-250V ac (50-60 Hz)



Safety Outputs	EDM	Emitter/Receiver Connection	AC Power Connection	Output and EDM Connections	Model	Used with
3 NO	Selectable 1- or 2-Channel or no EDM	8-Pin M12/Euro QD	Hard-wired	Hard-wired	EZAC-R9-QE8	EZ-SCREEN
2 NO & 1 NC			Hard-wired	Hard-wired	EZAC-R11-QE8	
1 NO & 1 SPDT	1-Channel	8-Pin M12/Euro QD	3-Pin Mini QD	8-Pin Mini QD	EZAC-R15A-QE8-QS83	EZ-SCREEN
1 NO & 1 NC	Power Monitoring	8-Pin M12/Euro QD	3-Pin Mini QD	5-Pin Mini QD	EZAC-R8N-QE8-QS53	EZ-SCREEN
2 NO			3-Pin Mini QD	5-Pin Mini QD	EZAC-R10N-QE8-QS53	

AC Emitter Interface Boxes

- Provides AC power for up to four emitters, with external device monitoring (EDM) available
- Supplies +24V dc power at 0.7 amps (16.8 W max. power) and accepts input voltages from 100-250V ac (50-60 Hz)



Emitter Connection	AC Power Connection	Model	Used with
8-Pin M12/Euro QD	Hard-wired	EZAC-E-QE8	• EZ-SCREEN SLSE...Q8 (without Test input) • EZ-SCREEN SLPE..
5-Pin M12/Euro QD	Hard-wired	EZAC-E-QE5	• EZ-SCREEN SLSE...Q5 (with Test input)
8-Pin M12/Euro QD	3-Pin Mini QD	EZAC-E-QE8-QS3	• EZ-SCREEN SLSE...Q8 (without Test input) • EZ-SCREEN SLPE..
5-Pin M12/Euro QD	5-Pin Mini QD	EZAC-E-QE5-QS5	• EZ-SCREEN SLSE...Q5 (with Test input)

NC = Normally Closed, NO = Normally Open

AC Interface Box Specifications

Important Notice:

European Community Machinery Directive 2006/42/EC

The EZ-SCREEN EZAC- Interface Boxes comply with Machinery Directive 98/37/EC, but not with Machinery Directive 2006/42/EC. Therefore, these Interface Boxes can only be installed as a replacement component within the European Union (EU). For more information, please see www.bannerengineering.com/144763 or call 1-888-373-6767.

Mechanically Linked Contactors*

Provides an additional 10 or 18 amp carrying capability to any safety system.

	Coil Voltage	Contacts	Contact Rating	Dimensions (h x w x l)	Model	Used With
	120 V ac	3 NO & 1 NC	10 amps	57 x 44 x 58 mm	11-BG00-31-A12060	- EZ-SCREEN - SC22-3/-3E
	24 V dc		10 amps (thermal)	57 x 44 x 58 mm	11-BG00-31-D-024	
	120 V ac	3 NO & 1 NC	18 amps**	80 x 44 x 80 mm	BF1801A-12060	
	24 V dc		18 amps** (inductive)	80 x 44 x 80 mm	BF1801L-024	

NC = Normally Closed, NO = Normally Open, minimum switching current (power): 5 mA @ 17 V dc (85 mw)

* One Arc Suppressor is needed for each relay across the coil (see below).

** NC contact is rated at 10 amps

Auxiliary Contacts for Mechanically Linked Contactors

Adds contacts to mechanically linked contactors.

	Contacts	Positively Guided	Model	Used With
	4 NO	No (Aux. only)	11-BGX10-40	11-BG Series
	3 NO	Yes	11-G484-30	BF Series

NC = Normally Closed, NO = Normally Open

Suppressors for Mechanically Linked Contactors

Extends the life of the actuating device—such as a light screen or control module—that uses a mechanically linked contactor.

	Voltage	Model	Used With
	48V dc	11-BGX77-048	11-BG00-31-D024
	125-240V ac	11-BGX77-240	11-BG00-31-A12060
	48V dc	11-G318-48	BF1801L-024
	125-240V ac	BFX77-240	BF1801A-12060

NC = Normally Closed, NO = Normally Open

Lighting & Indicators



Models

- LED Lighting
- Tower Lights
- Base Mount
- T-Style Mount
- Barrel Mount
- Flat Mount
- Indicators for Safety devices

See page 380

Indicator Lamps

- Indicates whether a switch is open or closed
- Available in red or green, 120 V ac or 24 V ac/dc



Supply Voltage	Lamp Color	Thread	Models	Used With
24 V ac/dc	Red	M20 x 1.5	SI-PL3T-R	• SI-QS90 Safety Interlock Switches • SI-LS42 Safety Interlock Switches • SI-QM100 Safety Interlock Switches • RP-LS42 Rope Pull Switches • RP-QM72/QMT72 Rope Pull Switches • RP-RM83 Rope Pull Switches • RP-QM90 Rope Pull Switch
120 V ac			SI-PL3A-R	
24 V ac/dc	Green	M20 x 1.5	SI-PL3T-G	
120 V ac			SI-PL3A-G	

Muting Lamps

- Indicates when muting is active for optical safety systems with a muting module
- Uses a solid-state LEDs light, eliminating the need to replace bulbs

Supply Voltage	Lamp Color	Overall Height	Models	Used with
18-30 V dc or 24 V ac	Green, Yellow, Red, White	142.6 mm	TL50GYRWQ	• EZ-SCREEN • Muting Modules
	Yellow	61.2 mm	TL50YQ	
	White		TL50WQ	
+24 V dc	Red, Green, Yellow (Amber)	ø 18 mm	M18RGR5PNQ	
12-30 V dc	Green, Red, White	58 mm	K50LGRW2PQ-18886	
12-30 V dc	White	58 mm	K50LWXXPQ	
12-30 V dc	Yellow	58 mm	K50LYXXPQ	