

Safety Light Curtain and Mirror Stand

The DAR Is a Safety Light Curtain and Mirror Stand Provided by Darlex™ for Omron*

- 50 mm profile aluminum extrusion
- Yellow powder-coat finish
- Mounting base and concrete floor hardware included

* The DAR Series is only available in North America.



Ordering Information

■ Stand

Appearance	Parts included		Part number
	Item	Quantity provided	
	2134 mm 50 x 50 mm aluminum extrusion	1	DAR-ST2134-Y
	DAR-CB90-Y crossbars	2	
	Mounting base	1	
	Concrete anchor bolts	4	
	End cap	1	
	M6 flat washers	2	
	Retainer springs	2	
	M8 insertion nuts	6	
	M8 x 20 mm hex bolts	6	
	M6 insertion nuts	2	
	M6 x 10 mm hex bolts	2	
	M8 flat washers	6	
	Installation instructions	1	

■ Model Number Legend

DAR-ST□□□□-Y

1 2 3 4

1. DAR: Darlex TM
2. ST: Stand
CB: Crossbar
3. MB: Mirror Mounting Bracket
Length: (mm)
4. Finish - Y: Yellow

■ Crossbar

Appearance	Parts included		Part number
	Item	Quantity provided	
	90 mm (length) 50 x 50 mm aluminum extrusion	1	DAR-CB90-Y
	End cap	1	
	Standard connector	1	
	M6 flat washer	1	
	M6 x10 mm hex bolt	1	
	M6 insertion nut	1	
	Retainer spring	1	

■ Mirror Mounting Bracket

Appearance	Parts included		Part number
	Item	Quantity provided	
	Mirror mounting bracket	1	DAR-MB
	M8 insertion nut	1	
	MM8 x 20 mm hex bolt	1	
	M8 flat washer	1	
	Retainer spring	1	

■ Order the Appropriate Parts Specified for Each Light Curtain and Mirror

The following table shows which parts need to be ordered for the installation of the different lengths of light curtain (pairs) or for installing the individual mirrors.

Description	Part number	Length	Stands	Crossbars	Mirror brackets
Item			DAR-ST2134-Y	DAR-CB90-Y	DAR-MB
Light curtains	F3SN-A□□□□P14-□	≤ 620 mm	2	—	—
	F3SN-A□□□□P14-□	621 to 1125 mm	2	2	—
	F3SN-A□□□□P25/40/70-□	≤ 640 to 1280 mm	2	—	—
	F3SN-A□□□□P25/40/70-□	641 to 1280 mm	2	2	—
	F3SN-A□□□□P25/40/70-□	1280 to 1822 mm	2	4	—
Mirror	F39-MDG□□	All	1	—	2

Installation

■ Tools that May Be Required for Installation and Assembly of the Stands

Refer to the information included with each light curtain for detailed mounting and alignment instructions.

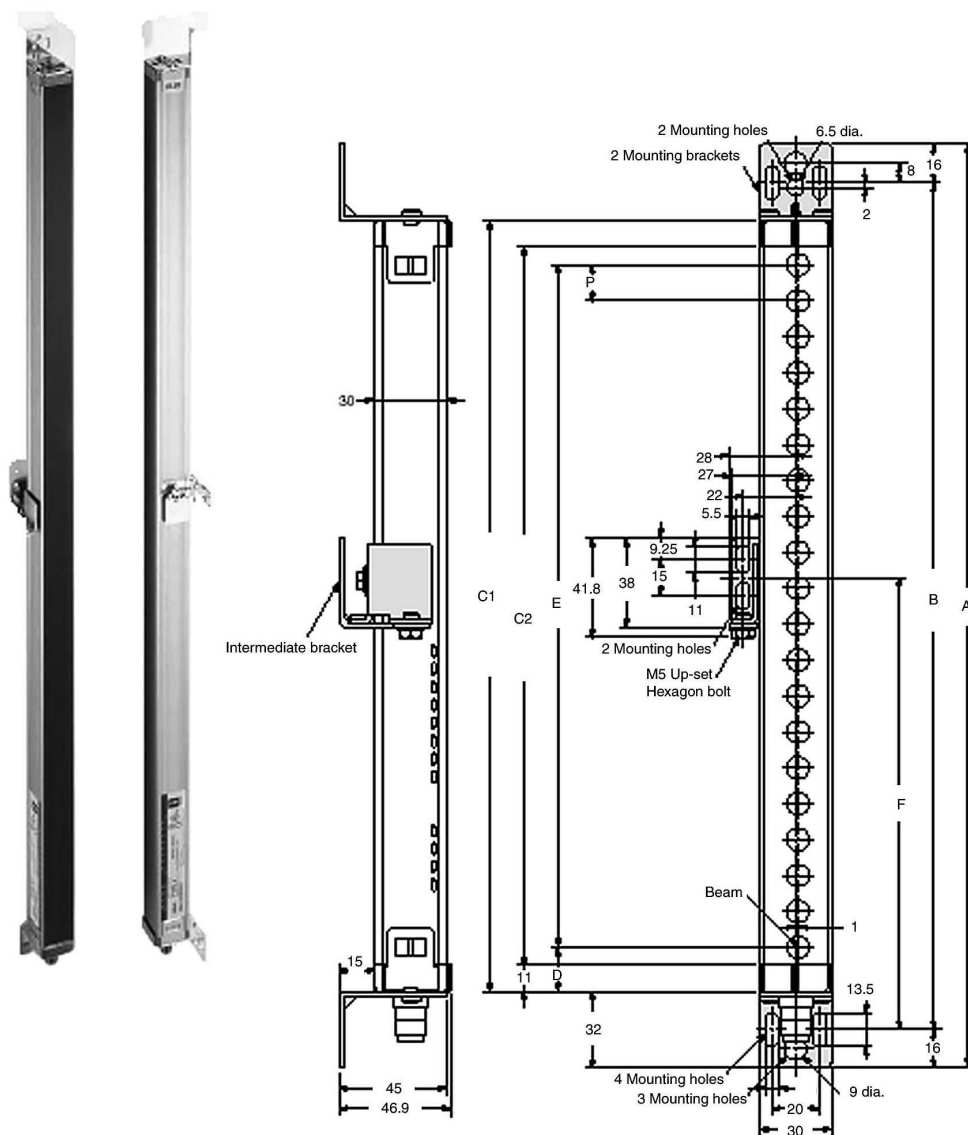
Tools
9/16 combination wrench
13 mm combination wrench
10 mm combination wrench
6 mm allen key
Hammer drill
3/8" masonry bit
Spirit level
Tape measure
Chalk line

Dimensions

Unit: mm

Note: You will need to determine the number of additional crossbars required based on the length and resolution of the F3SN-A light curtain.

■ F3SN-A□□□□P14-□ and F3SN-A□□□□P25/40/70-□ Safety Light Curtains



■ Number of Crossbars Required

Determine the number of additional crossbars required based on the length and resolution of the F3SN-A light curtain.

F3SN-A□□□□P14-□

Dimension C2 (Protective height): 4 digits in the part number

Dimension A = C2 + 86

Dimension B = C2 + 54

Dimension D = 15.5

Dimension E = C2 - 9

Dimension F = See the table below.

Dimension P = 9

Note If value F obtained from the equation (provided here) is not used, set F to 670 mm or less.

Protective height (C2)	No. of intermediate mounting brackets	Dimension F (See note.)
to 0620	0	—
0621 to 1125	1	$F = B / 2$

F3SN-A□□□□P25/40/70-□

Dimension C1 (Protective height): 4 digits in the part number

Dimension A = C1 + 64

Dimension B = C1 + 32

Dimension D = 18.5

Dimension E = C1 - 37

Dimension F = See the table below.

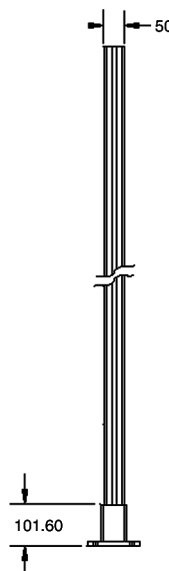
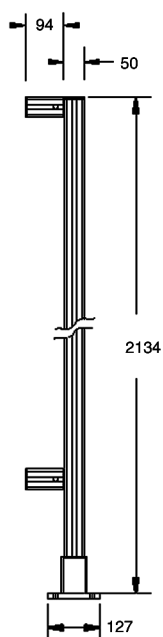
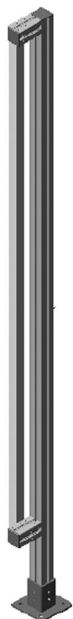
Dimension P = 15

Note If value F obtained from the equation (provided here) is not used, set F to 670 mm or less.

Protective height (C2)	No. of intermediate mounting brackets	Dimension F (See note.)
to 0640	0	—
0641 to 1280	1	$F = B / 2$
1281 to 1822	2	$F = B / 3$

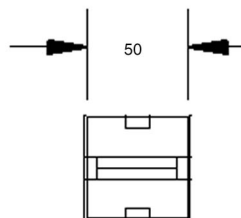
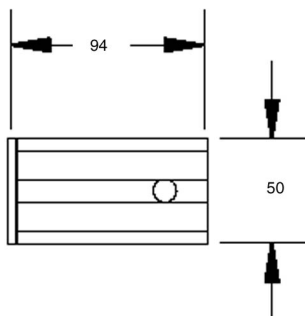
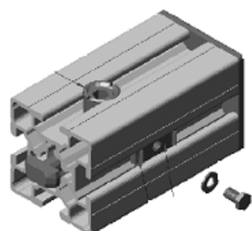
■ DAR-ST-2-5-Y Stand

The Stand is shown with F3SN-A attached.



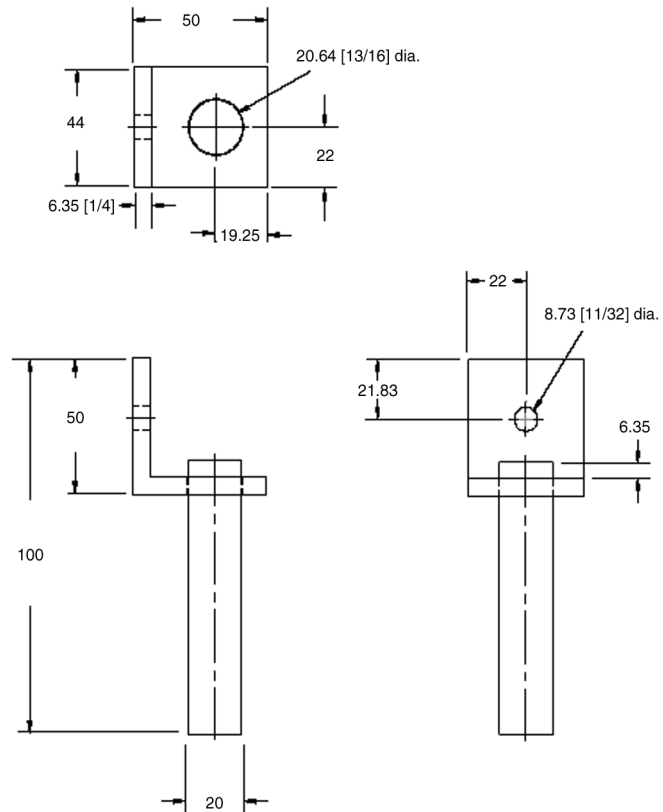
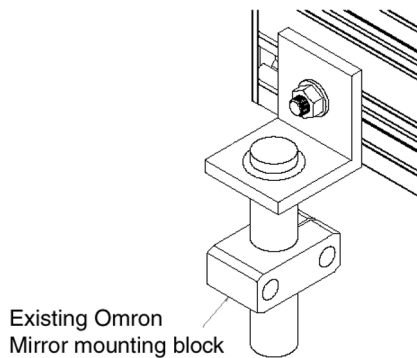
■ DAR-CB90-Y Crossbar

The Crossbar is shown with the Mounting Bolt.



■ DAR-MB Mirror Bracket

Unit: mm

Note: For diameter measurement: mm [inches]

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters into inches, divide by 25.4

OMRON

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