

### Corner Mirror for Multi-Sided Guarding

Specially constructed glass mirrors for 2- and 3-sided safeguarding applications.

**Note:** Each mirror reduces maximum scan range by up to 15% per mirror. Each corner mirror supplied with two endcap mounting brackets.

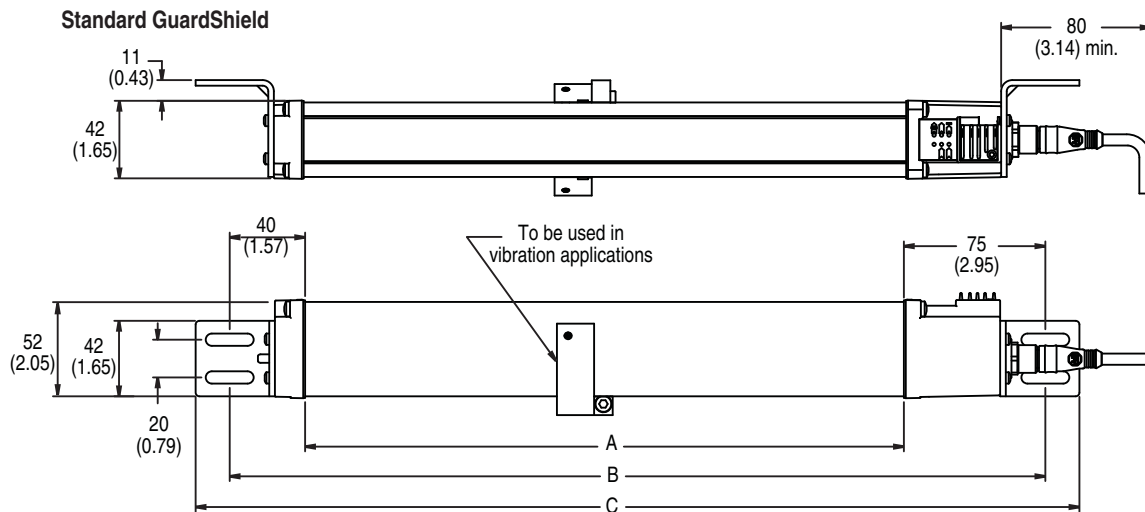
| GuardShield Light Curtain Cat. No.                  | Narrow Mirror Short-Range 0...4 m                                                 | Cat. No.       | Wide Mirror Long-Range 4...15 m                                                     | Cat. No.              |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|-----------------------|
| 440L-P4*0160Y*<br>440L-P2K‡0160YD                   |  | 440L-AM0750300 |  | 440L-AM1250300        |
| 440L-P4*0320Y*<br>440L-P2K‡0320YD                   |                                                                                   | 440L-AM0750450 |                                                                                     | 440L-AM1250450        |
| 440L-P4*0480Y*<br>440L-P2K‡0480YD<br>440L-P4A2500YD |                                                                                   | 440L-AM0750600 |                                                                                     | 440L-AM1250600        |
| 440L-P4*0640Y*<br>440L-P2K‡0640YD                   |                                                                                   | 440L-AM0750750 |                                                                                     | 440L-AM1250750        |
| 440L-P4*0800Y*<br>440L-P2K‡0800YD                   |                                                                                   | 440L-AM0750900 |                                                                                     | 440L-AM1250900        |
| 440L-P4*0960Y*<br>440L-P2K‡0960YD<br>440L-P4A3400YD |                                                                                   | 440L-AM0751050 |                                                                                     | 440L-AM1251050        |
| 440L-P4*1120Y*<br>440L-P2K‡1120YD                   |                                                                                   | 440L-AM0751200 |                                                                                     | <b>440L-AM1251200</b> |
| 440L-P4*1280Y*<br>440L-P2K‡1280YD                   |                                                                                   | 440L-AM0751350 |                                                                                     | 440L-AM1251350        |
| 440L-P4*1440Y*<br>440L-P2K‡1440YD                   |                                                                                   | 440L-AM0751500 |                                                                                     | 440L-AM1251500        |
| 440L-P4*1600Y*<br>440L-P2K‡1600YD                   |                                                                                   | 440L-AM0751650 |                                                                                     | 440L-AM1251650        |
| 440L-P4*1760Y*<br>440L-P2K‡1760YD                   |                                                                                   | 440L-AM0751800 |                                                                                     | 440L-AM1251800        |

\* = J or K;  
 \* = D or R;  
 ‡ = A or D

2-Opto-electronics

### Approximate Dimensions

Dimensions are shown in mm (in.). Dimensions are not intended to be used for installation purposes.



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Specially constructed glass mirrors for 2- and 3-sided safeguarding applications.

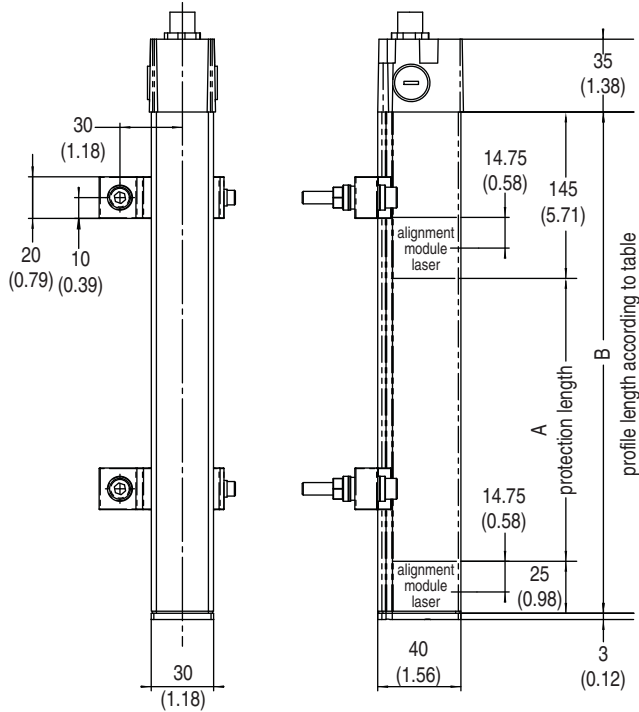
**Note:** Each mirror reduces maximum scan range by approximately 15% per mirror.

| GuardShield Safe 2/Safe 4<br>Protected Height [mm (in.)] | Narrow Mirror Short-Range 0...4 m                                                 | Cat. No.       | Wide Mirror Long-Range 4...15 m                                                     | Cat. No.              |
|----------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|-----------------------|
| 120/240 (4.7/9.4)                                        |  | 440L-AM0750300 |  | 440L-AM1250300        |
| 360 (14.2)                                               |                                                                                   | 440L-AM0750450 |                                                                                     | 440L-AM1250450        |
| 480 (19)                                                 |                                                                                   | 440L-AM0750600 |                                                                                     | 440L-AM1250600        |
| 600 (24)                                                 |                                                                                   | 440L-AM0750750 |                                                                                     | 440L-AM1250750        |
| 720/840 (28/33)                                          |                                                                                   | 440L-AM0750900 |                                                                                     | 440L-AM1250900        |
| 960 (38)                                                 |                                                                                   | 440L-AM0751050 |                                                                                     | 440L-AM1251050        |
| 1080 (43)                                                |                                                                                   | 440L-AM0751200 |                                                                                     | <b>440L-AM1251200</b> |
| 1200 (47)                                                |                                                                                   | 440L-AM0751350 |                                                                                     | 440L-AM1251350        |
| 1320/1440 (52/57)                                        |                                                                                   | 440L-AM0751500 |                                                                                     | 440L-AM1251500        |
| 1560 (61)                                                |                                                                                   | 440L-AM0751650 |                                                                                     | 440L-AM1251650        |
| 1680 (66)                                                |                                                                                   | 440L-AM0751800 |                                                                                     | 440L-AM1251800        |
| 1800/1920 (70.9/75.6)                                    |                                                                                   | Not available  |                                                                                     | Not available         |

### Approximate Dimensions

Dimensions are shown in mm (in.). Dimensions are not intended to be used for installation purposes.

#### Safe 4



| Type           | A<br>Protective Height<br>[mm (in.)] | B<br>Profile Length [mm (in.)] |
|----------------|--------------------------------------|--------------------------------|
| 445L-P4*0120YD | 120 (4.7)                            | 290 (11.4)                     |
| 445L-P4*0240YD | 240 (9.4)                            | 410 (16.1)                     |
| 445L-P4*0360YD | 360 (14.2)                           | 530 (20.9)                     |
| 445L-P4*0480YD | 480 (18.9)                           | 650 (25.6)                     |
| 445L-P4*0600YD | 600 (23.6)                           | 771 (30.4)                     |
| 445L-P4*0720YD | 720 (28.3)                           | 891 (35.1)                     |
| 445L-P4*0840YD | 840 (33.1)                           | 1011 (39.8)                    |
| 445L-P4*0960YD | 960 (37.8)                           | 1131 (44.5)                    |
| 445L-P4*1080YD | 1080 (42.5)                          | 1252 (49.3)                    |
| 445L-P4*1200YD | 1200 (47.2)                          | 1372 (54.0)                    |
| 445L-P4*1320YD | 1320 (51.9)                          | 1492 (58.7)                    |
| 445L-P4*1440YD | 1440 (56.7)                          | 1612 (63.5)                    |
| 445L-P4*1560YD | 1560 (61.4)                          | 1733 (68.2)                    |
| 445L-P4*1680YD | 1680 (66.1)                          | 1853 (72.9)                    |
| 445L-P4*1800YD | 1800 (70.8)                          | 1973 (77.7)                    |
| 445L-P4*1920YD | 1920 (75.6)                          | 2093 (82.4)                    |

\* For 14 mm resolution replace with an "L." For 30 mm resolution replace with an "S." Example: **Cat. No. 445L-P4S0480YD** (for 30 mm resolution).

### Corner Mirror for Multi-Sided Guarding

Specially constructed glass mirrors for 2- and 3-sided safeguarding applications.

**Note:** Each mirror reduces maximum scan range by approximately 15% per mirror.

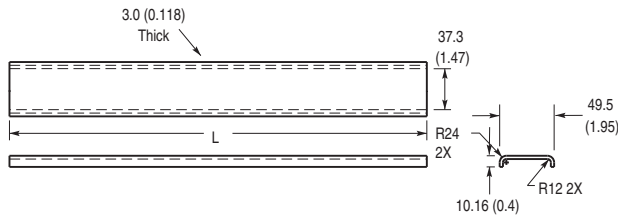
| GuardShield Light Curtain Cat. No. | Narrow Mirror Short-Range 0...4 m                                                 | Cat. No.       | Wide Mirror Long-Range 4...15 m                                                     | Cat. No.              |
|------------------------------------|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|-----------------------|
| 440L-P2K±0160YD                    |  | 440L-AM0750300 |  | 440L-AM1250300        |
| 440L-P2K±0320YD                    |                                                                                   | 440L-AM0750450 |                                                                                     | 440L-AM1250450        |
| 440L-P2K±0480YD                    |                                                                                   | 440L-AM0750600 |                                                                                     | 440L-AM1250600        |
| 440L-P2K±0640YD                    |                                                                                   | 440L-AM0750750 |                                                                                     | 440L-AM1250750        |
| 440L-P2K±0800YD                    |                                                                                   | 440L-AM0750900 |                                                                                     | 440L-AM1250900        |
| 440L-P2K±0960YD                    |                                                                                   | 440L-AM0751050 |                                                                                     | 440L-AM1251050        |
| 440L-P2K±1120YD                    |                                                                                   | 440L-AM0751200 |                                                                                     | <b>440L-AM1251200</b> |
| 440L-P2K±1280YD                    |                                                                                   | 440L-AM0751350 |                                                                                     | 440L-AM1251350        |
| 440L-P2K±1440YD                    |                                                                                   | 440L-AM0751500 |                                                                                     | 440L-AM1251500        |
| 440L-P2K±1600YD                    |                                                                                   | 440L-AM0751650 |                                                                                     | 440L-AM1251650        |
| 440L-P2K±1760YD                    |                                                                                   | 440L-AM0751800 |                                                                                     | 440L-AM1251800        |

± = A or D

### Weld Shields

The GuardShield weld shields are sold as pairs in the same lengths as the protective heights of the GuardShield safety light curtain.

These polycarbonate weld shields are designed as disposable devices whose purpose is to protect the front window of the GuardShield from damage.



| Dimensions "L"—mm (in) | Cat. No.      |
|------------------------|---------------|
| 175.3 (6.9)            | 440L-AGWS0160 |
| 335.3 (13.2)           | 440L-AGWS0320 |
| 495.3 (19.5)           | 440L-AGWS0480 |
| 655.3 (25.8)           | 440L-AGWS0640 |
| 815.3 (32.1)           | 440L-AGWS0800 |
| 975.4 (38.4)           | 440L-AGWS0960 |
| 1135.4 (44.7)          | 440L-AGWS1120 |
| 1295.4 (51.0)          | 440L-AGWS1280 |
| 1455.4 (57.3)          | 440L-AGWS1440 |
| 1615.4 (63.6)          | 440L-AGWS1600 |
| 1778 (70.0)            | 440L-AGWS1760 |

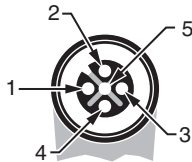
# Presence Sensing Safety Devices

## POC Type 2 Safety Light Curtains

### GuardShield Safe 2

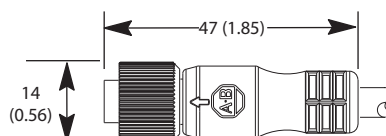
#### Cordsets—Transmitters and receivers both use 5-pin M12 cordsets

**Note:** Unshielded cordsets are most commonly used for safety light curtains, however, shielded cordsets are also offered to increase immunity to electrical interference.

| Female Connector (Sensor End)                                                     |                             | Cable                                             |                                 |                 | Cat. No.     |
|-----------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|---------------------------------|-----------------|--------------|
| Face View of Female                                                               | Connector Style             | Pin/Wire Color                                    | Wire Rating                     | Length [m (ft)] |              |
|  | Straight Female Nonshielded | 1 Brown<br>2 White<br>3 Blue<br>4 Black<br>5 Grey | 22 AWG<br>250V<br>4 A           | 2 (6.56)        | 889D-F5AC-2  |
|                                                                                   |                             |                                                   |                                 | 5 (16.4)        | 889D-F5AC-5  |
|                                                                                   |                             |                                                   |                                 | 10 (32.8)       | 889D-F5AC-10 |
|                                                                                   |                             |                                                   |                                 | 15 (49.2)       | 889D-F5AC-15 |
|                                                                                   |                             |                                                   |                                 | 20 (65.6)       | 889D-F5AC-20 |
|                                                                                   |                             |                                                   |                                 | 30 (98.4)       | 889D-F5AC-30 |
|                                                                                   | Straight Female Shielded    | 1 Brown<br>2 White<br>3 Blue<br>4 Black<br>5 Grey | 22 AWG<br>22 AWG<br>300V<br>4 A | 2 (6.56)        | 889D-F5EC-2  |
|                                                                                   |                             |                                                   |                                 | 5 (16.4)        | 889D-F5EC-5  |
|                                                                                   |                             |                                                   |                                 | 10 (32.8)       | 889D-F5EC-10 |
|                                                                                   |                             |                                                   |                                 | 15 (49.2)       | 889D-F5EC-15 |
|                                                                                   |                             |                                                   |                                 | 20 (65.6)       | 889D-F5EC-20 |
|                                                                                   |                             |                                                   |                                 | 30 (98.4)       | 889D-F5EC-30 |

#### Cordsets Approximate Dimensions [mm (in.)]

Dimensions are not intended to be used for installation purposes.



Straight Female

#### Corner Mirror for Multi-Sided Guarding

Specially constructed glass mirrors for 2- and 3-sided safeguarding applications.

**Note:** Each mirror reduces maximum scan range by approximately 15% per mirror.

| GuardShield Safe 2/Safe 4<br>Protected Height [mm (in.)] | Narrow Mirror Short-Range 0...4 m                                                   | Cat. No.       | Wide Mirror Long-Range 4...15 m                                                       | Cat. No.              |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|-----------------------|
| 120/140 (4.7/9.4)                                        |  | 440L-AM0750300 |  | 440L-AM1250300        |
| 360 (14.2)                                               |                                                                                     | 440L-AM0750450 |                                                                                       | 440L-AM1250450        |
| 480 (19)                                                 |                                                                                     | 440L-AM0750600 |                                                                                       | 440L-AM1250600        |
| 600 (24)                                                 |                                                                                     | 440L-AM0750750 |                                                                                       | 440L-AM1250750        |
| 720/840 (28/33)                                          |                                                                                     | 440L-AM0750900 |                                                                                       | 440L-AM1250900        |
| 960 (38)                                                 |                                                                                     | 440L-AM0751050 |                                                                                       | 440L-AM1251050        |
| 1080 (43)                                                |                                                                                     | 440L-AM0751200 |                                                                                       | <b>440L-AM1251200</b> |
| 1200 (47)                                                |                                                                                     | 440L-AM0751350 |                                                                                       | 440L-AM1251350        |
| 1320/1440 (52/57)                                        |                                                                                     | 440L-AM0751500 |                                                                                       | 440L-AM1251500        |
| 1560 (61)                                                |                                                                                     | 440L-AM0751650 |                                                                                       | 440L-AM1251650        |
| 1680 (66)                                                |                                                                                     | 440L-AM0751800 |                                                                                       | 440L-AM1251800        |
| 1800/1920 (70.9/75.6)                                    |                                                                                     | Not available  |                                                                                       | Not available         |

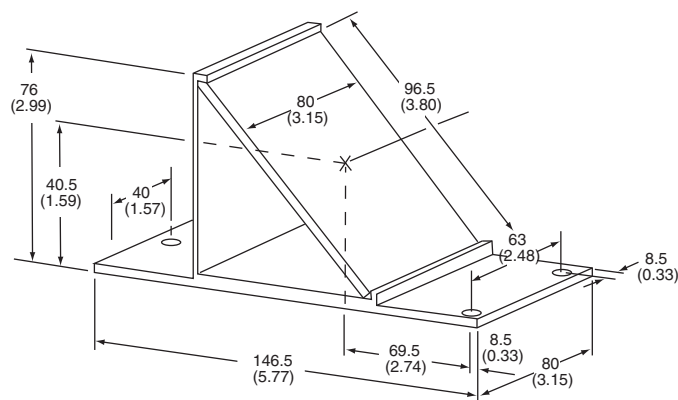
# Presence Sensing Safety Devices

## Safety Light Curtains

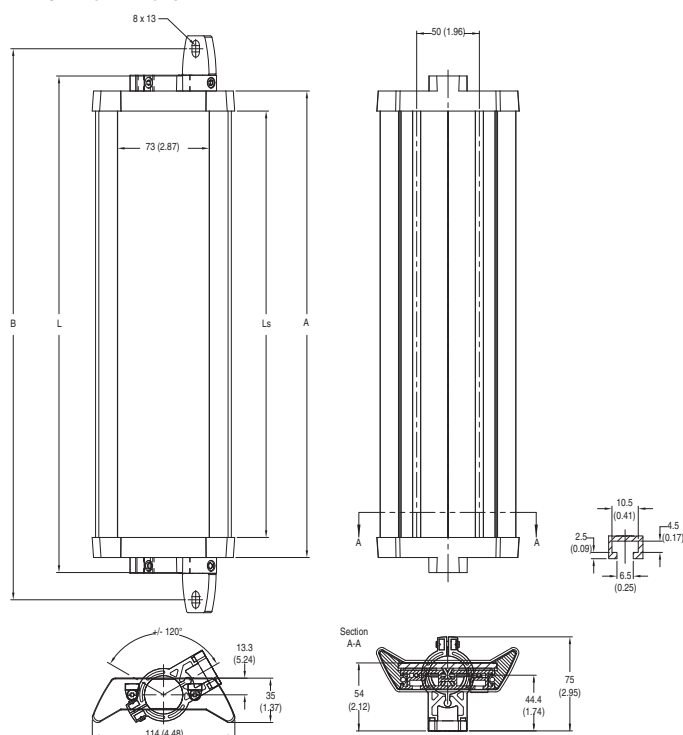
### Accessories

Dimensions are shown in mm (in.). Dimensions are not intended to be used for installation purposes.

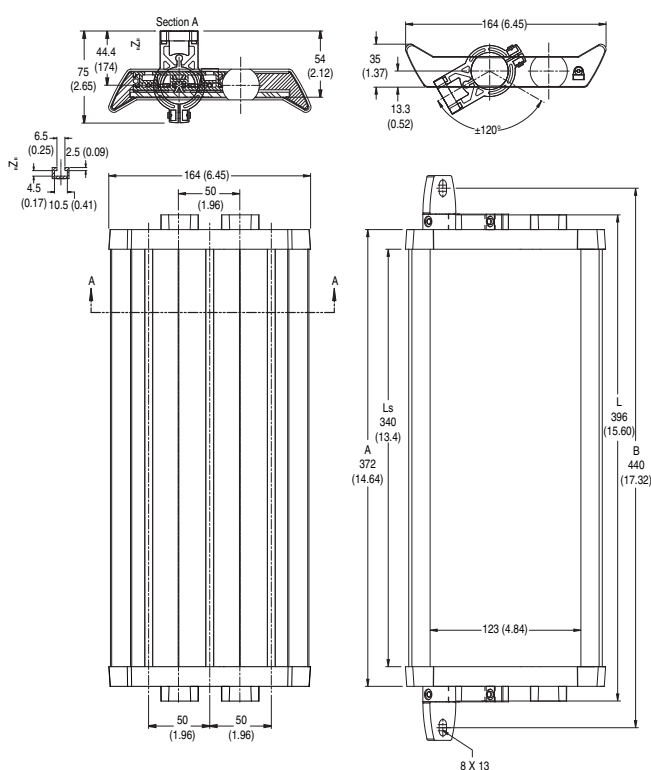
#### Mirror 440L-AMIRR2



#### Mirror 440L-AM075



#### Mirror 440L-AM125



| MODEL NO.      | SERIES | DESCRIPTION           | L    | Ls   | A    | B    |
|----------------|--------|-----------------------|------|------|------|------|
| 440L-AM1250300 | A      | Mirror, 300 mm, 15 m  | 396  | 340  | 372  | 440  |
| 440L-AM1250450 | A      | Mirror, 450 mm, 15 m  | 546  | 490  | 522  | 590  |
| 440L-AM1250600 | A      | Mirror, 600 mm, 15 m  | 696  | 640  | 672  | 740  |
| 440L-AM1250750 | A      | Mirror, 750 mm, 15 m  | 846  | 790  | 822  | 890  |
| 440L-AM1250900 | A      | Mirror, 900 mm, 15 m  | 996  | 940  | 972  | 1040 |
| 440L-AM1251050 | A      | Mirror, 1050 mm, 15 m | 1146 | 1090 | 1122 | 1190 |
| 440L-AM1251200 | A      | Mirror, 1200 mm, 15 m | 1296 | 1240 | 1272 | 1340 |
| 440L-AM1251350 | A      | Mirror, 1350 mm, 15 m | 1446 | 1390 | 1422 | 1490 |
| 440L-AM1251500 | A      | Mirror, 1500 mm, 15 m | 1596 | 1540 | 1572 | 1640 |
| 440L-AM1251650 | A      | Mirror, 1650 mm, 15 m | 1746 | 1690 | 1722 | 1790 |
| 440L-AM1251800 | A      | Mirror, 1800 mm, 15 m | 1896 | 1840 | 1872 | 1940 |

**Note:** The 1800 mm corner mirror can not be mounted to the floor stand (440L-AMSTD) with end cap brackets. This requires the t-nut kit (440L-AF6115) for rear mounting.

| MODEL NO.      | SERIES | DESCRIPTION          | L    | Ls   | A    | B    |
|----------------|--------|----------------------|------|------|------|------|
| 440L-AM0750300 | A      | Mirror, 300 mm, 4 m  | 396  | 340  | 372  | 440  |
| 440L-AM0750450 | A      | Mirror, 450 mm, 4 m  | 546  | 490  | 522  | 590  |
| 440L-AM0750600 | A      | Mirror, 600 mm, 4 m  | 696  | 640  | 672  | 740  |
| 440L-AM0750750 | A      | Mirror, 750 mm, 4 m  | 846  | 790  | 822  | 890  |
| 440L-AM0750900 | A      | Mirror, 900 mm, 4 m  | 996  | 940  | 972  | 1040 |
| 440L-AM0751050 | A      | Mirror, 1050 mm, 4 m | 1146 | 1090 | 1122 | 1190 |
| 440L-AM0751200 | A      | Mirror, 1200 mm, 4 m | 1296 | 1240 | 1272 | 1340 |
| 440L-AM0751350 | A      | Mirror, 1350 mm, 4 m | 1446 | 1390 | 1422 | 1490 |
| 440L-AM0751500 | A      | Mirror, 1500 mm, 4 m | 1596 | 1540 | 1572 | 1640 |
| 440L-AM0751650 | A      | Mirror, 1650 mm, 4 m | 1746 | 1690 | 1722 | 1790 |
| 440L-AM0751800 | A      | Mirror, 1800 mm, 4 m | 1896 | 1840 | 1872 | 1940 |

**Note:** The 1800 mm corner mirror can not be mounted to the floor stand (440L-AMSTD) with end cap brackets. This requires the t-nut kit (440L-AF6115) for rear mounting.

Presence Sensing Safety Devices

PAC Type 4 Safety Light Curtains

GuardShield Safe 4 PAC

Corner Mirror for Multi-Sided Guarding

| GuardShield Safe 4 | Narrow Mirror Short-Range 0...4 m                                                 | Cat. No.       | Wide Mirror Long-Range 4...15 m                                                     | Cat. No.       |
|--------------------|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|----------------|
| 445L-P4S2500YD     |  | 440L-AM0750900 |  | 440L-AM1250900 |
| 445L-P4S3400YD     |                                                                                   | 440L-AM0751200 |                                                                                     | 440L-AM1251200 |

Approximate Dimensions

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2-Opto-electronics

