



NO: LC-038 **PRODUCT:** MS4600 Safety Light Curtains
DATE: August 2013 **TYPE:** Discontinuation Notice

MS4600 Series Safety Light Curtains will be Discontinued July 1, 2014; Replace with MS4800S Series Models

The MS4600 series product will be discontinued effective July 1, 2014.

New Systems: Orders for complete systems will not be accepted after June 30, 2014.

Spare Parts: Orders for spare MS4600 parts will be available until December 31, 2014 or until components are no longer available.

Repairs: Subject to component availability, we will repair products through June 30, 2016. For repairs, please contact Omron STI at 510-608-3522.

Recommended Replacement Product:

Omron STI recommends the MS4800S series light curtain as a replacement product. More information on the MS4800 can be found on our website:

<http://www.sti.com/curtains/MS4800/index.htm>



Affected Parts

The table below cross-references the discontinued MS4600 series to the recommended replacement MS4800 series.

MS4600 14mm	MS4800S 14mm
MS46__-14-260	MS4800S-14-0280
MS46__-14-350	MS4800S-14-0360
MS46__-14-435	MS4800S-14-0440
MS46__-14-520	MS4800S-14-0520
MS46__-14-610	MS4800S-14-0600
MS46__-14-700	MS4800S-14-0720
MS46__-14-785	MS4800S-14-0800
MS46__-14-870	MS4800S-14-0880
MS46__-14-955	MS4800S-14-0960
MS46__-14-1045	MS4800S-14-1040
MS46__-14-1130	MS4800S-14-1120
MS46__-14-1215	MS4800S-14-1200
MS46__-14-1305	MS4800S-14-1320
MS46__-14-1390	MS4800S-14-1400

MS4600 20mm	MS4800S 20mm
MS46__-20-260	MS4800S-20-0280
MS46__-20-350	MS4800S-20-0360
MS46__-20-435	MS4800S-20-0440
MS46__-20-520	MS4800S-20-0520
MS46__-20-610	MS4800S-20-0600
MS46__-20-700	MS4800S-20-0720
MS46__-20-785	MS4800S-20-0800
MS46__-20-870	MS4800S-20-0880
MS46__-20-955	MS4800S-20-0960
MS46__-20-1045	MS4800S-20-1040
MS46__-20-1130	MS4800S-20-1120
MS46__-20-1215	MS4800S-20-1200
MS46__-20-1305	MS4800S-20-1320
MS46__-20-1390	MS4800S-20-1400

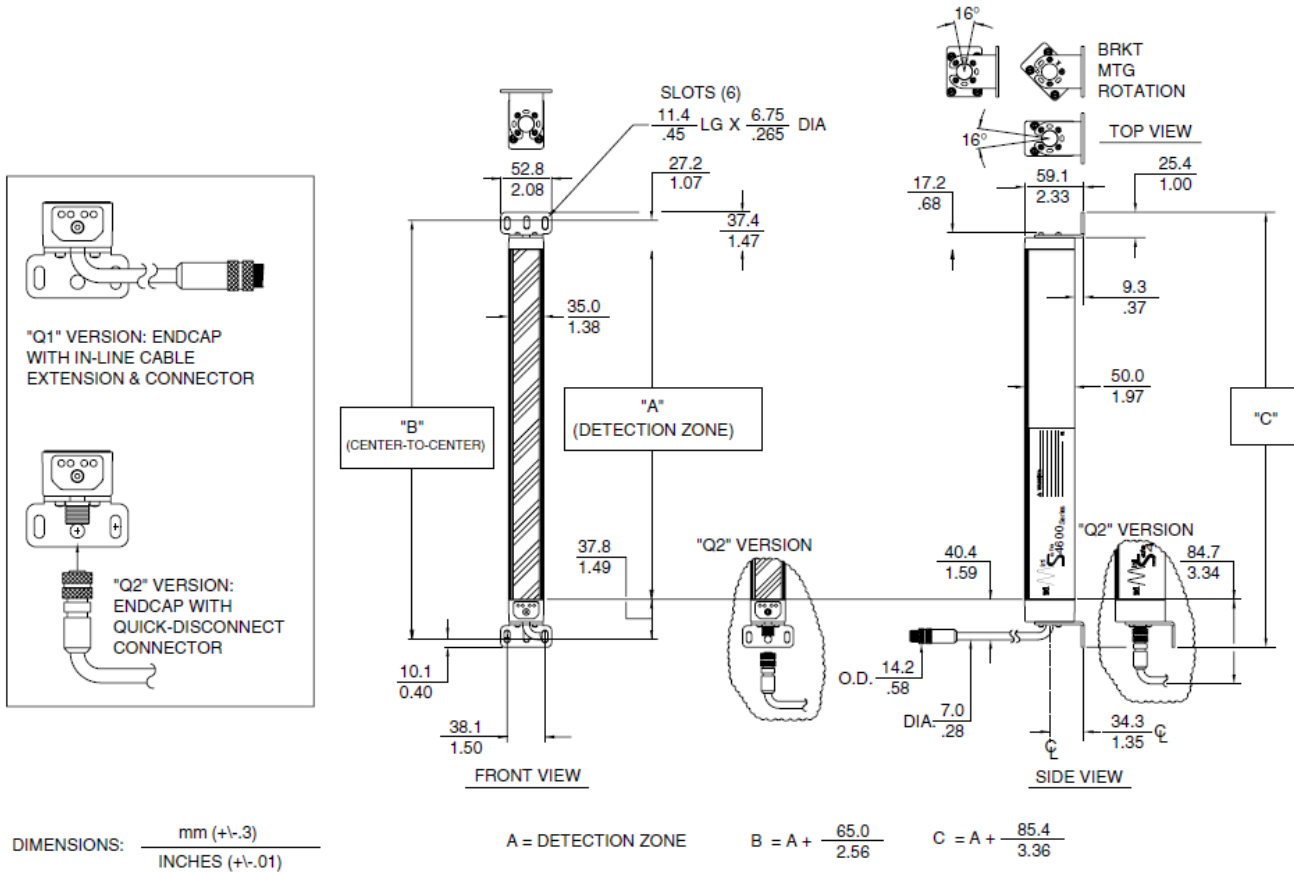
MS4600 30mm	MS4800S 30mm
MS46__-30-350	MS4800S-30-0360
MS46__-30-520	MS4800S-30-0520
MS46__-30-700	MS4800S-30-0720
MS46__-30-870	MS4800S-30-0880
MS46__-30-1045	MS4800S-30-0960
MS46__-30-1215	MS4800S-30-1200
MS46__-30-1390	MS4800S-30-1400
MS46__-30-1570	MS4800S-30-1560
MS46__-30-1745	MS4800S-30-1720
MS46__-30-1920	MS4800S-30-1920
MS46__-30-2095	MS4800S-30-2080

See the following pages for a detailed comparison.

General Specification Comparison

Feature	MS4600	MS4800S
System Configuration	2-Box – Controller Not Required	2-Box – Controller Not Required
Safety Outputs	Solid-state	Solid-state
Power Requirement	24 VDC	24 VDC
Segmented Versions	No	Yes (MSF4800)
Muting	No (RM-3)	Yes (RM-6)
Physical Size	Almost Identical to MS4800	Almost Identical to MS4600
Set-up Changes Made In	Receiver	Receiver/Transmitter
Operating Range	65 feet (20 meters)	65 feet (20 meters)
Electrical connections	Adapters are available to connect MS4800 to MS4600 cables	Adapter part number: MS4800-ADPT-TXS MS4800-ADPT-TXM MS4800-ADPT-RX

MS4600 Series Mechanical Dimensions



How to Calculate Your System Dimensions:

Dimension A = Detection Zone (13.78 in./350 mm shown)

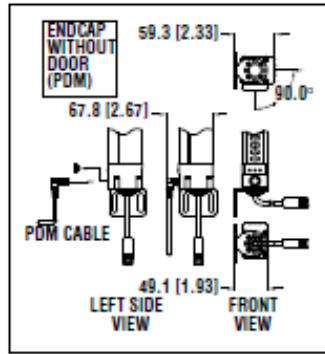
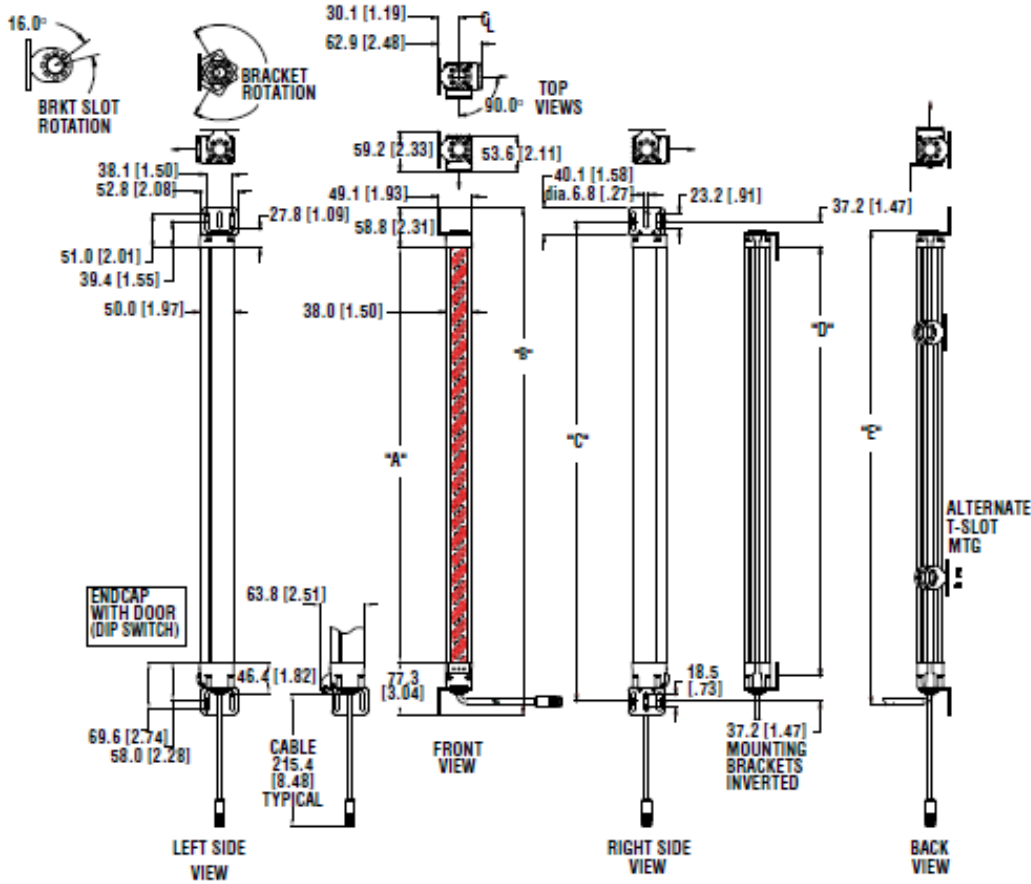
Dimension B = A + 2.56/65.0 ± 0.10/2.4

Dimension C = A + 3.36/85.4

MS4600 Series/Model*	A (mm)	A (in)
MS46-X/R-260- 14/20	262.9	10.35
MS46-X/R-350- 14/20/30	350.0	13.78
MS46-X/R-435- 14/20	436.9	17.20
MS46-X/R-520- 14/20/30	523.8	20.62
MS46-X/R-610- 14/20	610.9	24.05
MS46-X/R-700- 14/20/30	697.7	27.47
MS46-X/R-785- 14/20	784.6	30.89
MS46-X/R-870- 14/20/30	871.7	34.32
MS46-X/R-955- 14/20	958.6	37.74
MS46-X/R-1045- 14/20/30	1045.5	41.16
MS46-X/R-1130- 14/20	1132.8	44.60
MS46-X/R-1215- 14/20/30	1219.5	48.01
MS46-X/R-1305- 14/20	1306.3	51.43
MS46-X/R-1390- 14/20/30	1393.4	54.86
MS46-X/R-1570- 14/30	1567.4	61.71
MS46-X/R-1745- 14/30	1741.4	68.56
MS46-X/R-1920- 14/30	1915.4	75.41
MS46-X/R-2095- 14/30	2089.7	82.27

MS4800 Series Mechanical Dimensions

MS4800



How to Calculate System Dimensions:

Example: MS4800S-30-0720

0720 represents a sensing field of 720 mm

Dimension A – sensing field

Dimension B – A + 136.0 mm

Dimension C – A + 97.3 mm

Dimension D – A + 22.9 mm

Dimension E – A + 86.9 mm

MS4800 Series	A (mm)	A (In)	MS4800 Series	A (mm)	A (In)	MS4800 Series	A (mm)	A (In)
MS48-X/R-0280	284.4	11.19	MS48-X/R-0920	922.5	36.32	MS48-X/R-1560	1563.3	61.55
MS48-X/R-0320	324.8	12.79	MS48-X/R-0960	963.6	37.94	MS48-X/R-1600	1600.9	63.03
MS48-X/R-0360	364.5	14.35	MS48-X/R-1000	1002.6	39.47	MS48-X/R-1640	1641.3	64.62
MS48-X/R-0400	404.2	15.91	MS48-X/R-1040	1042.9	41.06	MS48-X/R-1680	1683.1	66.26
MS48-X/R-0440	443.9	17.48	MS48-X/R-1080	1083.9	42.67	MS48-X/R-1720	1720.8	67.75
MS48-X/R-0480	484.3	19.07	MS48-X/R-1120	1122.3	44.19	MS48-X/R-1760	1760.5	69.31
MS48-X/R-0520	523.4	20.61	MS48-X/R-1160	1162.7	45.78	MS48-X/R-1800	1802.9	70.98
MS48-X/R-0560	563.7	22.19	MS48-X/R-1200	1203.8	47.39	MS48-X/R-1840	1840.6	72.46
MS48-X/R-0600	604.1	23.78	MS48-X/R-1240	1242.1	48.90	MS48-X/R-1880	1880.3	74.03
MS48-X/R-0640	643.9	25.35	MS48-X/R-1280	1281.8	50.47	MS48-X/R-1920	1922.8	75.70
MS48-X/R-0680	683.6	26.91	MS48-X/R-1320	1323.6	52.11	MS48-X/R-1960	1960.4	77.18
MS48-X/R-0720	724.0	28.50	MS48-X/R-1360	1362.0	53.62	MS48-X/R-2000	2000.1	78.75
MS48-X/R-0760	763.0	30.04	MS48-X/R-1400	1401.7	55.18	MS48-X/R-2040	2042.6	80.42
MS48-X/R-0800	803.5	31.63	MS48-X/R-1440	1443.4	56.83	MS48-X/R-2080	2079.6	81.87
MS48-X/R-0840	843.8	33.22	MS48-X/R-1480	1481.8	58.34	MS48-X/R-2120	2120.0	83.46
MS48-X/R-0880	882.8	34.76	MS48-X/R-1520	1521.5	59.90			

Support

For further information and support regarding this Notification of Discontinuation please call Omron Automation and Safety and speak with an Application Engineer or Customer Care Representative.