

Mullion Super Bright Center Column Glass Door Lighting

Specifications:

Description: This luminaire "Center Column" glass door lighting is ideal for refrigerated or freezer display case lighting applications. The "center column" mullion is designed to mount onto the center door frame and projects the light beam two opposite directions illuminating the products on both the right and left sides of the glass doors.

Features:

Lighting: Solid state lighting (SSL) LEDs; surface mounted device (SMD) populated onto a printed 2 layer, 2oz FR4 circuit board (PCB)

Tube and endcaps: polycarbonate LEXAN 244R

LED Driver Input: 100 VAC to 277 VAC; use only Cass 2 UL listed or UL recognized LED driver

LED Driver Output: 12 or 24 VDC

Light Beams: Can be ordered to project light at 15° or 30°; use 15° when products are 6" or closer to the door; use 30° when products are over 6" away from the door

Temperature Ratings: PCB (LEDs, etc): Ambient: -25°C~45°C; Case: -25°C~70°C; UL 2108 testing: 25°C

Life: Long life with L70 > 50,000hrs

Warranty: 5 year limited warranty from manufacturing defects

Safety: All our luminaires are UL/cUL Listed

Certifications: ISO 9001:2015 certified

Two different LED boards in the same tube projecting two different light directions



UL Integrating Sphere Test Data:

Voltage	Length (in)	CCT (K) Nom.	Lens	Angle of light	CRI	CCT (K) Actual	Lumens (lm)	Power (W)	Efficacy (lm/W)
24	69	30K	Frosted	15	92.9	3007	2929	25.75	113.7

Our custom-built mullion lights have 128 variations that affect performance data. Above is the data from one of the many UL tests we have conducted. Please contact us if you require specific data for other unique custom-built light fixtures.

How Create a Part Number:

Series	Voltage options	Length Options	Color (CCT) options	Lens options	Projection of Light angle options
MM2R-3250	12V or 24V	25", 47", 58" or 69"	30K 35K 40K 50K	Clear (C) or Frosted (F)	15 or 30°

Example part number: MM2R-3250-24V-47-40K- F-15

Options:

Color: Standard CCTs choices are 3000K, 3500K, 4000K, and 5000K with a CRI >90

Lens / Tube: Clear or frosted

Length: 25", 47", 58" or 69"

Voltage: 12 or 24 VDC

Projection of Light: 15 or 30°

Accessories:

Brackets: See next page

Drivers: See Driver Spec Sheet

Jumpers: See next page

Harnesses: See next page



Brackets:

Feature: Metal snap-in or Polycarbonate LEXAN 244R snap-in

Ordering Tips:

Order in quantities of 2 for a smaller single luminaires or 20 for larger projects.

We recommend our brackets are used 4-6" from each end for luminaires 24" or shorter; also one every 24" for longer luminaires.

Brackets Part Number and Prices:

Descrip-	Quantity	Part Number	Price
Metal	2	O-BRK-MIN-M-2	\$2.50
	20	O-BRK-MIN-M-20	\$25.00
Polycarbonate	2	O-BRK-MIN-P-2	\$3.00
	20	O-BRK-MIN-P-20	\$30.00



Jumpers:

Features:

Polarized for direct 12v or 24v DC power supply

18/2 AWG (18 gauge wire / 2 wires parallel)

Wire rated at 105 °C ; Molded ends are rated at 90°C

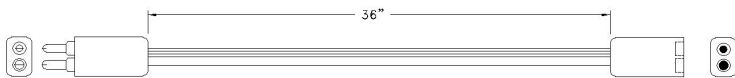
Available in black

Available in lengths: 5" , 24" , 36" and 48"

Jumpers come in the following variations: Female / Male; Female / Stripped; Male Stripped.

Jumpers Part Number and Prices:

Description	Length	Color	Part Number	Price
5" Jumper, Female, Striped End, Polarized	5"	Black	M-J-05-F-SE-P	\$4.90
5" Jumper, Male, Striped End, Polarized	5"	Black	M-J-05-M-SE-P	\$4.90
24" Jumper, Female, Striped End, Polarized	24"	Black	M-J-24-F-SE-P	\$5.50
24" Jumper, Male, Striped End, Polarized	24"	Black	M-J-24-M-SE-P	\$5.50
36" Jumper, Female, Male, Polarized	36"	Black	M-J-36-F-M-P	\$6.70
48 Jumper, Female, Male, Polarized	48"	Black	M-J-48-F-M-P	\$8.00
48" Jumper, Female, Striped End, Polarized	48"	Black	M-J-48-F-SE-P	\$6.70
48" Jumper, Male, Striped End, Polarized	48"	Black	M-J-48-M-SE-P	\$6.70



Harnesses :

Features:

Polarized for direct 12v or 24v DC power supply

18/2 AWG (18 gauge wire / 2 wires parallel)

Wire rated at 105 °C ; Molded ends are rated at 90°C

Available in black

Available in lengths: 5" , 24" , 36" and 48"

Harnesses Part Number and Prices:

Description	Length	Color	Kit Part Number	Price
One MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-1D-1R-1L	\$15.20
Two MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-2D-1R-1L	\$23.70
Three MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-2D-1C-1R-1L	\$32.30
Four MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-3D-2C-1R-1L	\$40.80
Five MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-4D-3C-1R-1L	\$49.30
Six MMH-36-2F-1M-P + One M-J-36-F-M-P	36"	Black	MMH-5D-4C-1R-1L	\$57.80

