

# Mullion Super Bright End Column Glass Door Lighting

## Specifications:

**Description:** This luminaire “End Column” glass door lighting is ideal for refrigerated or freezer display case lighting applications. The “end column” mullion is designed to mount onto the door frame ends and projects the light beam to either the right and left sides of the glass doors.

**Features:**

**Lighting:** Solid state lighting (SSL) LEDs; surface mounted device (SMD) populated onto a printed 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

**Lens / Tube:** Polycarbonate LEXAN 244R that has a heat deflection of 300°F

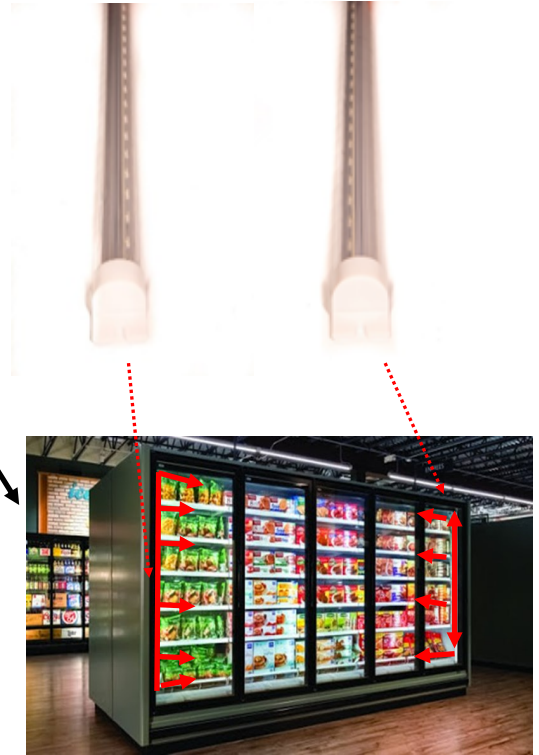
**Life:** Long life with L70 > 50,000hrs

**Warranty:** 5 year limited warranty from manufacturing defects

**Safety:** All our luminaires are UL/cUL Listed & NSF approved

**Certifications:** ISO 9001:2015 certified

One row of LED boards on either Right or Left side of the tube projecting the light beam either Right or Left



## UL Integrating Sphere Test Data:

Voltage	Length (in)	CCT (K) Nom.	Left or Right	Lens	Angle of light	CRI	CCT (K) Actual	Lumens (lm)	Power (W)	Efficacy (lm/W)
24	47	30K	Left	Frosted	15	92.9	3016	1135	9.653	117.6

Our custom-built mullion light series has 256 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 To Create a Part Number:

Series	Voltage	Length Options	Color (CCT)	Side	Lens Options	Projection of Light
MM1R-3250	12 or 24V	25", 47", 58" or 69"	30K-3000K 35K-3500K 40K-4000K 50K-5000K	L-Left R-Right	C Clear F Frosted	15 or 30°
<b>MM1R-3250</b>	<b>12V</b>	<b>47</b>	<b>40K</b>	<b>L</b>	<b>F</b>	<b>15</b>

**Example part number:** MM1R-3250-12V-47K-L-F-15

## Options:

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

**Lens / Tube:** Clear or frosted

**Ends:** Left or Right side

**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

**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

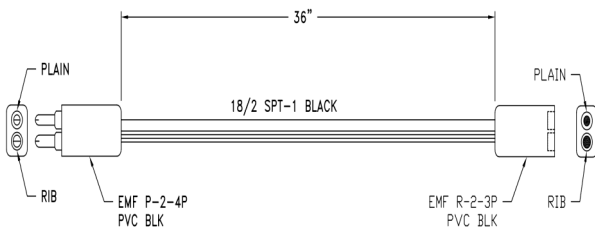
Available in black or white

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 :

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

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Available in black or white

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

**Harnesses Part Number and Prices:**

Description	Length	Color	Part Number	Price
One MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-1D-1R-1L	\$4.70
Two MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-2D-1R-1L	\$12.25
Three MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-2D-1C-1R-1L	\$23.30
Four MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-3D-2C-1R-1L	\$30.60
Five MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-4D-3C-1R-1L	\$38.00
Six MPH-36-2F-1M + One MPH-36-1F-1M	36"		MMH-5D-4C-1R-1L	\$45.30

