

**COMPONENTS:**

- 1. Rail:** RAL-123
- 2. Spotlights:** L225
- 3. Suspension Mounting Hardware (Optional):**  
Support Structure - Rod SDF081  
Power Canopy - CPY060 or CPY061



*Shown with 4 ft housing with three L225M mounted*

**Type:**

**Project:**

**Modified:**

**Quantity:**

**Note**

# L123

**Application** Interior trimless suspended / recessed / surface rail with spot light

Recommended Projects - Commercial, Residential, Institutional, Retail, Hospitality, Religious, Educational, Architecture

**IP Rating** 20

**Mounting** Suspended or recessed / surface mount directly from surface of ceiling

**Electrical**  
L225S : 1.0 Watt / 2.5 Watt ( Spotlight )  
L225M : 4.0 Watt / 8.0 Watt ( Spotlight )  
L225L : 13.0 Watt ( Spotlight )

**Power Consumption**  
L225S : 1.0 Watt / 2.5 Watt ( Spotlight )  
L225M : 4.0 Watt / 8.0 Watt ( Spotlight )  
L225L : 13.0 Watt ( Spotlight )

Light Output	L225S	L225M	L225L
1.0 Watt, 65~75lm	4.0 Watt, 224~261lm	13 Watt, 700~731lm	
2.5 Watt 129~149lm	8.0 Watt, 372~433lm		

**Warranty** 5 years limited warranty  
Estimated useful life of LED is 50,000 hours.

**Material** Anodized aluminum and polycarbonate lens. RoHS compliant.

**Weight** -

**Approval** 

**DISCLAIMER** Malfunction and damage to product due to improper dimming system installation or misuse will not be covered under warranty. Only DC Drivers are recommended for dimming systems. Consult MP Lighting for recommended drivers.

\*MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products.

## Order Guide

**\*\* Fixture comprises of two components: Rail and Spotlights that need to be specified separately.**

### COMPONENT 1: Rail

*Example: RAL123-8-MA*

Code	Length	Finish
<b>RAL-123</b>	-	-
Code RAL-123 : standard rail with the option of L225S or L225M add on. please refer to L225 order guide on page 2.	<b>X</b> = custom <b>4</b> = 4' <b>6</b> = 6' <b>8</b> = 8'  * custom length min = 4' long (1.2m). increments = 6" (152.4mm). max = 8' (2.4m)	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized
*For details regarding further information/ assembly, please consult with factory.		

**COMPONENT 2: Spotlights**

**\*\* Quantity of spotlights and spacing between spotlights are also required to be specified. Spotlights should be at least 1' apart from each other, and 6" away from ends of a rail.**

Example: L225-S-2-W22S-S-FS-MA

Code	Size	Wattage	Color	Beam	Accessories	Accessory Finish	Stem	Finish
<b>L225</b>	<b>S</b>	-	-	-	<b>CS</b>	-	-	-
	<b>S</b> = small	1 = 1.0W 2 = 2.5W	<b>W22S</b> = 2200K, 80+CRI <b>W27S</b> = 2700K, 80+CRI <b>W30S</b> = 3000K, 80+CRI <b>W35S</b> = 3500K, 80+CRI <b>W41S</b> = 4100K, 80+CRI <b>W20H</b> = 2000K, 90+CRI <b>W30H</b> = 3000K, 90+CRI <b>W35H</b> = 3500K, 90+CRI	<b>S</b> = spot (12°) <b>N</b> = narrow flood (30°)	<b>CS</b> = cylinder shroud	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized	<b>2</b> = 2" (51mm) <b>X</b> = custom  * Available in 1" (25mm) increments up to 8ft (2.4m) max.	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized

Code	Size	Wattage	Color	Beam	Accessories	Accessory Finish	Stem	Finish
<b>L225</b>	<b>M</b>	-	-	-	<b>CS</b>	-	-	-
	<b>M</b> = medium	4 = 4W 8 = 8W	<b>W27H</b> = 2700K, 90+CRI <b>W30H</b> = 3000K, 90+CRI	<b>S</b> = spot (19°) <b>N</b> = narrow flood (27°) <b>F</b> = flood (48°)	<b>CS</b> = cylinder shroud	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized	<b>2</b> = 2" (51mm) <b>X</b> = custom  * Available in 1" (25mm) increments up to 8ft (2.4m) max.	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized

Code	Size	Wattage	Color	Beam	Accessories	Accessory Finish	Stem	Finish
<b>L225</b>	<b>L</b>	<b>13</b>	-	-	<b>CS</b>	-	-	-
	<b>L</b> = large	<b>13</b> = 13W	<b>W27S</b> = 2700K, 80+CRI <b>W30S</b> = 3000K, 80+CRI <b>W35S</b> = 3500K, 80+CRI <b>W27V</b> = 2700K, 97+CRI <b>W30V</b> = 3000K, 97+CRI <b>HD</b> = halogen dim, 95+CRI (2900K~1900K)  ** Very high CRI (97+) is 2-step MacAdam COB	<b>S</b> = spot (19°) <b>N</b> = narrow flood (27°)	<b>CS</b> = cylinder shroud	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized	<b>2</b> = 2" (51mm) <b>X</b> = custom  * Available in 1" (25mm) increments up to 8ft (2.4m) max.	<b>MA</b> = matte clear anodized <b>BA</b> = black anodized

**COMPONENT 3 (OPTIONAL): Suspension Mounting Hardware**

**Mounting Hardware for suspended only (sold seperately):**

**\*\* One support structure is required per every 8'.**

Code	Drop	Option	Finish
<b>SDF081</b>	-	-	-
Rod Suspension <i>*small suspension rod 1/4" (6mm) included unless exceed 4"</i>	<b>12</b> = 12" (305mm) <b>X</b> = custom	<b>S</b> = swivel (Maximum offset angle ±20°)	<b>MC</b> = matte chrome <b>BK</b> = black anodized

**Power Canopy (sold seperately):**

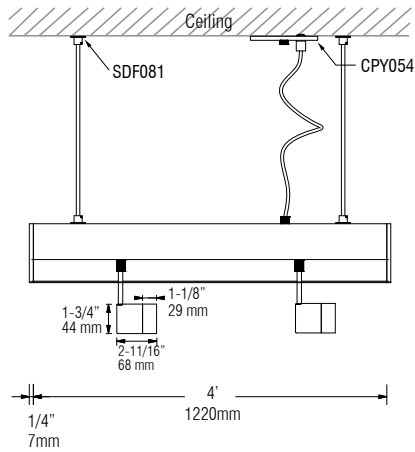
**\*\* One canopy is required per every 8'. Power canopy does not hold any weight.**

Code	Finish
<b>CPY060</b> = round flexible power canopy <b>CPY061</b> = round rod power canopy	<b>MC</b> = matte chrome

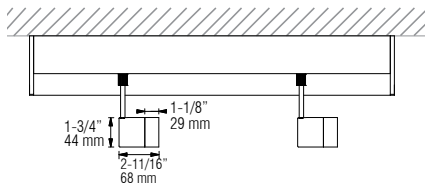
*\*power canopy not required for recessed or surface mount.*

**DIMENSION:**

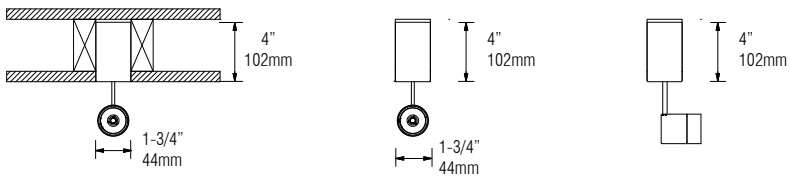
with suspension rod



Surface mounted



Recessed mounted



**SUGGESTED COMBINATIONS:**



4ft housing with three L225M mounted



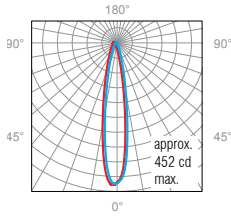
8ft housing with eight L225M mounted

**PHOTOMETRIC DATA: L225S**

**1W, 3000K 80+ CRI, 12°**

**Polar Candela Distribution**

Lumen: 65lm



**Illuminance at a Distance**

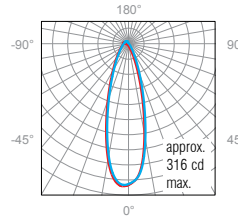
	Center Beam FC	Beam Width	
3.0'	50.3	1.0' (0.30m)	1.0' (0.30m)
6.0'	12.6	2.1' (0.64m)	2.1' (0.64m)
9.0'	5.5	3.1' (0.94m)	3.1' (0.94m)
12.0'	3.1	4.1' (1.25m)	4.1' (1.25m)
15.0'	2.0	5.1' (1.55m)	5.1' (1.55m)
18.0'	1.4	6.2' (1.89m)	6.2' (1.89m)

0° Spread: 19.4° 90° Spread: 19.4°

**1W, 3000K 80+ CRI, 30°**

**Polar Candela Distribution**

Lumen: 75 lm



**Illuminance at a Distance**

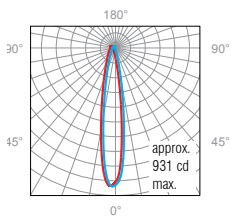
	Center Beam FC	Beam Width	
3.0'	35	1.5' (0.46m)	1.5' (0.46m)
6.0'	8.7	3.1' (0.94m)	3.1' (0.94m)
9.0'	3.9	4.6' (1.40m)	4.6' (1.40m)
12'	2.1	6.1' (1.86m)	6.1' (1.86m)
15'	1.4	7.6' (2.32m)	7.7' (2.34m)
18'	0.9	9.2' (2.80m)	9.2' (2.80m)

0° Spread: 28.5° 90° Spread: 28.7°

**2.5W, 3000K 80+ CRI, 12°**

**Polar Candela Distribution**

Lumen: 129lm



**Illuminance at a Distance**

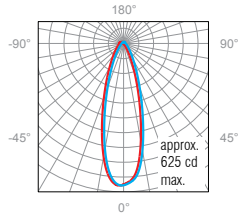
	Center Beam FC	Beam Width	
3.0'	103	1.0' (0.30m)	1.0' (0.30m)
6.0'	25.9	2.0' (0.60m)	2.0' (0.60m)
9.0'	11.5	3.0' (0.91m)	3.0' (0.91m)
12'	6.47	4.0' (1.22m)	4.0' (1.22m)
15'	4.14	5.0' (1.52m)	5.0' (1.52m)
18'	2.87	6.0' (1.83m)	6.0' (1.83m)

0° Spread: 19.0° 90° Spread: 19.0°

**2.5W, 3000K 80+ CRI, 30°**

**Polar Candela Distribution**

Lumen: 149 lm



**Illuminance at a Distance**

	Center Beam FC	Beam Width	
3.0'	69.5	1.5' (0.46m)	1.5' (0.46m)
6.0'	17.4	3.0' (0.91m)	3.0' (0.91m)
9.0'	7.73	4.5' (1.37m)	4.5' (1.37m)
12'	4.35	6.0' (1.83m)	6.0' (1.83m)
15'	2.78	7.6' (2.32m)	7.6' (2.32m)
18'	1.93	9.1' (2.77m)	9.1' (2.77m)

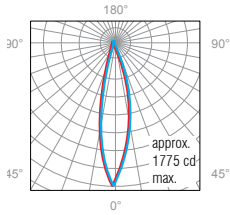
0° Spread: 28.3° 90° Spread: 28.3°

**PHOTOMETRIC DATA: L225M**

**4W, 2700K 90+CRI, 19°**

**Polar Candela Distribution**

**Lumen: 261 lm**



**Illuminance at a Distance**

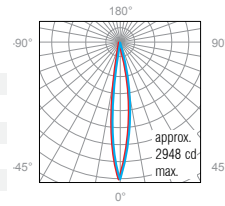
	Center Beam FC	Beam Width	
3.0'	197	1.0' (0.30m)	1.0' (0.30m)
6.0'	49.3	2.1' (0.64m)	2.1' (0.64m)
9.0'	21.9	3.1' (0.94m)	3.1' (0.94m)
12'	12.3	4.1' (1.25m)	4.1' (1.25m)
15'	7.89	5.2' (1.58m)	5.2' (1.58m)
18'	5.48	6.2' (1.89m)	6.2' (1.89m)

0° Spread: 19.5° 90° Spread: 19.5°

**8W, 2700K 90+CRI, 19°**

**Polar Candela Distribution**

**Lumen: 433 lm**



**Illuminance at a Distance**

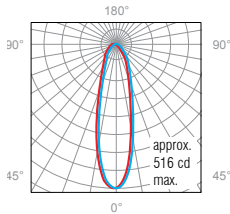
	Center Beam FC	Beam Width	
3.0'	328	1.0' (0.30m)	1.0' (0.30m)
6.0'	81.9	2.1' (0.64m)	2.1' (0.64m)
9.0'	36.4	3.1' (0.94m)	3.1' (0.94m)
12'	20.5	4.1' (1.25m)	4.1' (1.25m)
15'	13.1	5.2' (1.58m)	5.2' (1.58m)
18'	9.10	6.2' (1.89m)	6.2' (1.89m)

0° Spread: 19.5° 90° Spread: 19.5°

**4W, 2700K 90+CRI, 27°**

**Polar Candela Distribution**

**Lumen: 251 lm**



**Illuminance at a Distance**

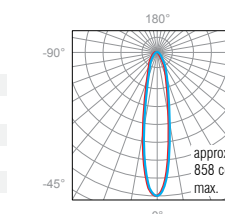
	Center Beam FC	Beam Width	
3.0'	57.4	1.4' (0.43m)	1.4' (0.43m)
6.0'	14.3	2.9' (0.88m)	2.9' (0.88m)
9.0'	6.38	4.3' (1.31m)	4.3' (1.31m)
12'	3.59	5.7' (1.74m)	5.7' (1.74m)
15'	2.30	7.2' (2.19m)	7.2' (2.19m)
18'	1.59	8.6' (2.62m)	8.6' (2.62m)

0° Spread: 26.9° 90° Spread: 26.9°

**8W, 2700K 90+CRI, 27°**

**Polar Candela Distribution**

**Lumen: 418 lm**



**Illuminance at a Distance**

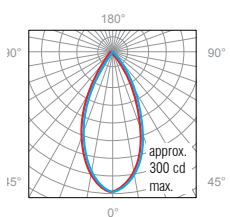
	Center Beam FC	Beam Width	
3.0'	95.3	1.4' (0.43m)	1.4' (0.43m)
6.0'	23.8	2.9' (0.88m)	2.9' (0.88m)
9.0'	10.6	4.3' (1.31m)	4.3' (1.31m)
12'	5.95	5.7' (1.74m)	5.7' (1.74m)
15'	3.81	7.2' (2.19m)	7.2' (2.19m)
18'	2.65	8.6' (2.62m)	8.6' (2.62m)

0° Spread: 26.9° 90° Spread: 26.9°

**4W, 2700K 90+CRI, 48°**

**Polar Candela Distribution**

**Lumen: 224 lm**



**Illuminance at a Distance**

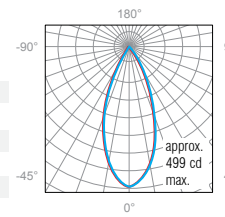
	Center Beam FC	Beam Width	
3.0'	33.4	2.6' (0.79m)	2.6' (0.79m)
6.0'	8.34	5.3' (1.62m)	5.3' (1.62m)
9.0'	3.71	7.9' (2.41m)	7.9' (2.41m)
12'	2.09	10.6' (3.23m)	10.6' (3.23m)
15'	1.33	13.2' (4.02m)	13.2' (4.02m)
18'	0.93	15.9' (4.85m)	15.9' (4.85m)

0° Spread: 47.6° 90° Spread: 47.6°

**8W, 2700K 90+CRI, 48°**

**Polar Candela Distribution**

**Lumen: 372 lm**



**Illuminance at a Distance**

	Center Beam FC	Beam Width	
3.0'	55.4	2.6' (0.79m)	2.6' (0.79m)
6.0'	13.9	5.3' (1.62m)	5.3' (1.62m)
9.0'	6.16	7.9' (2.41m)	7.9' (2.41m)
12'	3.46	10.6' (3.23m)	10.6' (3.23m)
15'	2.22	13.2' (4.02m)	13.2' (4.02m)
18'	1.54	15.9' (4.85m)	15.9' (4.85m)

0° Spread: 47.6° 90° Spread: 47.6°

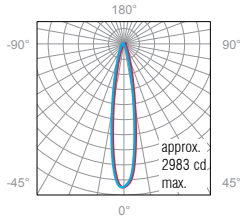
**PHOTOMETRIC DATA: L225L**

**13W, 3000K,80+CRI**

**Polar Candela Distribution**

**Lumen: 700 lm ( Spot Beam )**

**Illuminance at a Distance**



	Center Beam FC	Beam Width	
3.0'	331	1.0' (0.30m)	1.0' (0.30m)
6.0'	82.9	2.0' (0.61m)	2.0' (0.61m)
9.0'	36.8	3.1' (0.94m)	3.1' (0.94m)
12.0'	20.7	4.1' (1.25m)	4.1' (1.25m)
15.0'	13.3	5.1' (1.56m)	5.1' (1.56m)
18.0'	9.21	6.1' (1.86m)	6.1' (1.86m)

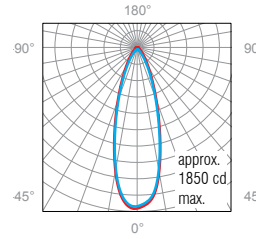
0° Spread: 19.4°    90° Spread: 19.4°

**13W, 3000K, 80+CRI**

**Polar Candela Distribution**

**Lumen: 731 lm ( Narrow Flood Beam )**

**Illuminance at a Distance**



	Center Beam FC	Beam Width	
3.0'	206	1.6' (0.49m)	1.6' (0.49m)
6.0'	51.4	3.1' (0.95m)	3.1' (0.95m)
9.0'	22.8	4.7' (1.43m)	4.7' (1.43m)
12'	12.8	6.3' (1.92m)	6.3' (1.92m)
15'	8.22	7.9' (2.41m)	7.9' (2.41m)
18'	5.71	9.4' (2.87m)	9.4' (2.87m)

0° Spread: 29.4°    90° Spread: 29.4°