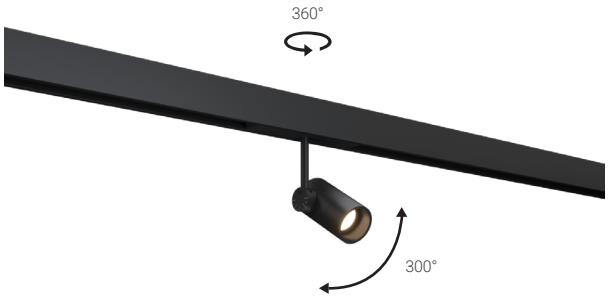
L235-1CT-S

INTERIOR
Spotlights | For 1CT track

- Dry location



Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L235-1CT-S-12-2-W30H-N-CS-2-BA

Product	Canopy [1]	Size	Voltage	Version	CCT & CRI [2]	Beam Angle	Accessories-Holder [3] (optional)	Shroud	Stem Length [4]	Finish [5]
L235	**1CT**	**S**						**CS**		
		S small	**12** 12V **48** 48V	**1** 1W **2** 2W	**W22S** 2200K 80+ **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**SS** super spot 7° **S** spot 12° **N** narrow flood 30° **F** flood 45°	**HLD** louver holder	**CS** cylinder shroud	**2** 1-1/2" (38mm) **3** 2-1/4" (57mm) **X** custom length	**Aluminum Finishes:** **BA** black anodized

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *See pg.3 - for track dimensions.*
2. *Refer to pg.2 - Electrical for Colour Consistency details.*
3. *HLD is required for SS (super spot, 7°) lens, louver, or other accessories supplied on site.*
4. *HLD minimum stem length is 2-1/4" (57 mm). Maximum: 3' (914mm), 1" (25mm) increments.*
5. *Refer to Appendix or MP Lighting website for complete look of luminaire with different finish options. Please consult factory for custom finish for shrouds.*

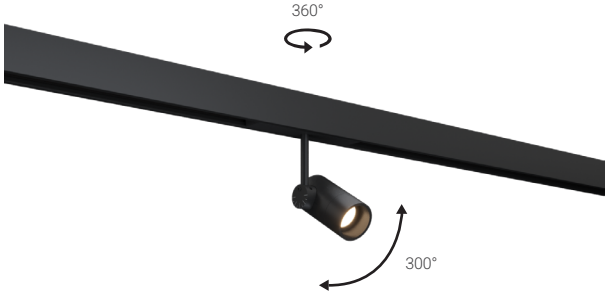
Warranty Notes & Disclaimer

Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult MP Lighting website for most updated documentation.

L235-1CT-S

INTERIOR
Spotlights | For 1CT track

- Dry location



Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.2W	110 lm	20.8-86.1 lm
2W	700mA	2.9W	220 lm	37.4-160.7 lm

Application

Environment	Dry Location approved. IP 20.
Mounting	Mounts to a single circuit track with an adapter (included with fixture).

Electrical

Electrical	**Low Voltage 1 Circuit Track:** 96W/48V constant voltage
Control	**On/off control** **Dimming:** 0-10V dimming with appropriate drivers **Other options (consult factory):** DALI, Casambi

Luminaire Construction

LED Light Source	**W22S =** CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM **W27H =** CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W30H =** CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W35H =** CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Weight	N/A
Material	**Fixture:** machined marine-grade aluminum
Supplied with	**Standard installation housing**
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

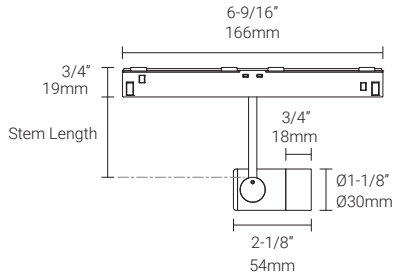
Ordered Separately

System Components	**Power supplies:** remote driver Please consult factory or visit Recommended Drivers for available driver options.

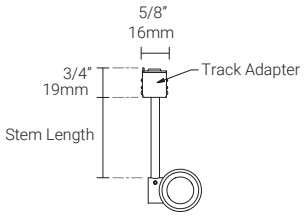
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture



Front View



3D View

Appendix

Aluminum Finishes

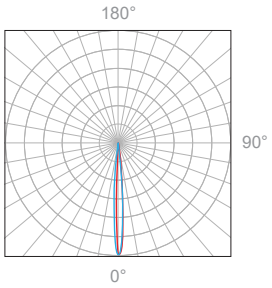
BA black anodized

Accessories | Louver holder

BA black anodized

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 7°

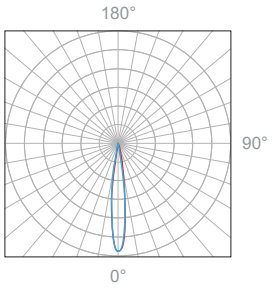
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	75.9fc	0.4ft	0.12m	0.3ft	0.09m
6.0ft	1.83m	19.0fc	0.7ft	0.21m	0.5ft	0.15m
9.0ft	2.74m	8.44fc	1.1ft	0.30m	0.8ft	0.24m
12.0ft	3.66m	4.75fc	1.5ft	0.45m	1.1ft	0.33m
15.0ft	4.57m	3.04fc	1.9ft	0.58m	1.4ft	0.42m
18.0ft	5.49m	2.11fc	2.2ft	0.67m	1.6ft	0.48m

Delivered Lumen: 20.8 lm
Vertical Beam Spread: 7.1°
Horizontal Beam Spread: 5.2°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 12°

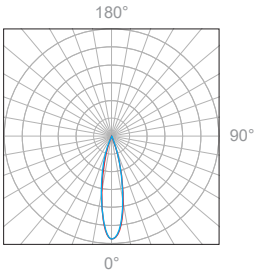
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	71.1fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	17.8fc	1.6ft	0.48m	1.6ft	0.48m
9.0ft	2.74m	7.90fc	2.5ft	0.76m	2.5ft	0.76m
12.0ft	3.66m	4.44fc	3.3ft	1.00m	3.3ft	1.00m
15.0ft	4.57m	2.84fc	4.1ft	1.25m	4.1ft	1.25m
18.0ft	5.49m	1.98fc	4.9ft	1.49m	4.9ft	1.49m

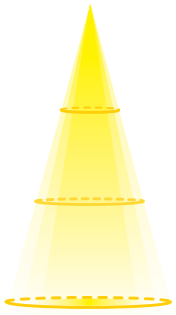
Delivered Lumen: 86.1 lm
Vertical Beam Spread: 15.6°
Horizontal Beam Spread: 15.5°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 30°



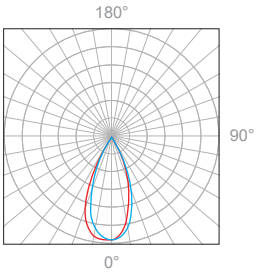
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	40.4fc	1.3ft	0.39m	1.3ft	0.39m
6.0ft	1.83m	10.1fc	2.5ft	0.76m	2.7ft	0.82m
9.0ft	2.74m	4.49fc	3.8ft	1.15m	4.0ft	1.22m
12.0ft	3.66m	2.52fc	5.0ft	1.52m	5.3ft	1.61m
15.0ft	4.57m	1.61fc	6.3ft	1.92m	6.6ft	2.01m
18.0ft	5.49m	1.12fc	7.6ft	2.31m	8.0ft	2.43m

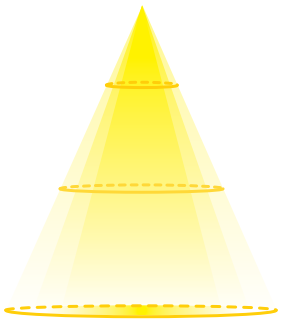
Delivered Lumen: 84.4 lm
Vertical Beam Spread: 23.8°
Horizontal Beam Spread: 25°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

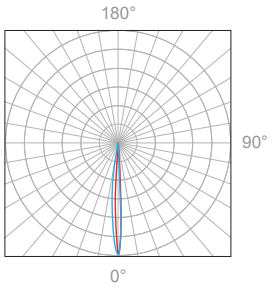
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	14.1fc	2.3ft	0.70m	2.6ft	0.79m
6.0ft	1.83m	3.53fc	4.5ft	1.37m	5.1ft	1.55m
9.0ft	2.74m	1.57fc	6.8ft	2.07m	7.7ft	2.34m
12.0ft	3.66m	0.88fc	9.1ft	2.77m	10.2ft	3.10m
15.0ft	4.57m	0.56fc	11.3ft	3.44m	12.8ft	3.90m
18.0ft	5.49m	0.39fc	13.6ft	4.14m	15.3ft	4.66m

Delivered Lumen: 79.2 lm
Vertical Beam Spread: 41.4°
Horizontal Beam Spread: 46.1°

Tested on 17/11/2025

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 7°

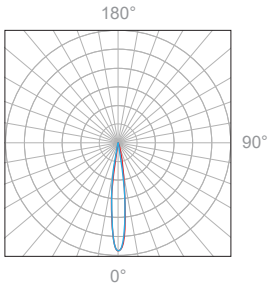
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	131fc	0.4ft	0.12m	0.3ft	0.09m
6.0ft	1.83m	32.8fc	0.8ft	0.24m	0.6ft	0.18m
9.0ft	2.74m	14.6fc	1.1ft	0.33m	1.0ft	0.30m
12.0ft	3.66m	8.21fc	1.5ft	0.45m	1.3ft	0.39m
15.0ft	4.57m	5.25fc	1.9ft	0.58m	1.6ft	0.48m
18.0ft	5.49m	3.65fc	2.3ft	0.70m	1.9ft	0.58m

Delivered Lumen: 37.4 lm
Vertical Beam Spread: 7.3°
Horizontal Beam Spread: 6.2°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 12°

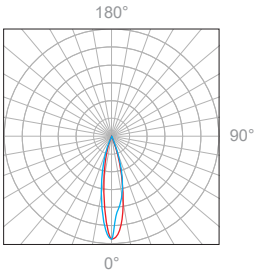
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	125fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	31.2fc	1.7ft	0.51m	1.6ft	0.48m
9.0ft	2.74m	13.9fc	2.5ft	0.76m	2.5ft	0.76m
12.0ft	3.66m	7.80fc	3.3ft	1.00m	3.3ft	1.00m
15.0ft	4.57m	4.99fc	4.1ft	1.25m	4.1ft	1.25m
18.0ft	5.49m	3.47fc	5.0ft	1.52m	4.9ft	1.49m

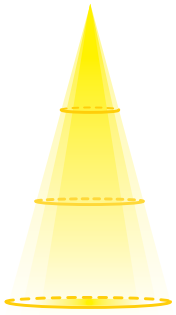
Delivered Lumen: 150.7 lm
Vertical Beam Spread: 15.7°
Horizontal Beam Spread: 15.6°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 30°



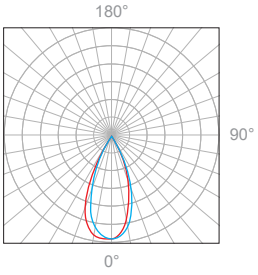
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	80.9fc	1.2ft	0.36m	1.3ft	0.39m
6.0ft	1.83m	20.2fc	2.5ft	0.76m	2.6ft	0.79m
9.0ft	2.74m	8.99fc	3.7ft	1.12m	3.9ft	1.19m
12.0ft	3.66m	5.06fc	5.0ft	1.52m	5.2ft	1.58m
15.0ft	4.57m	3.24fc	6.2ft	1.89m	6.5ft	1.98m
18.0ft	5.49m	2.25fc	7.4ft	2.25m	7.8ft	2.37m

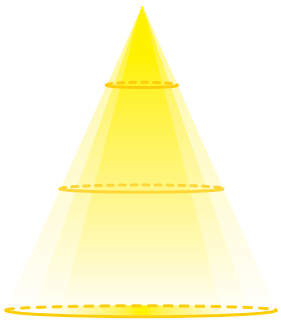
Delivered Lumen: 160.7 lm
Vertical Beam Spread: 23.4°
Horizontal Beam Spread: 24.5°

Tested on 17/11/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	25.2fc	2.3ft	0.70m	2.5ft	0.76m
6.0ft	1.83m	6.30fc	4.6ft	1.40m	5.1ft	1.55m
9.0ft	2.74m	2.80fc	6.9ft	2.10m	7.6ft	2.31m
12.0ft	3.66m	1.57fc	9.2ft	2.80m	10.2ft	3.10m
15.0ft	4.57m	1.01fc	11.5ft	3.50m	12.7ft	3.87m
18.0ft	5.49m	0.70fc	13.8ft	4.20m	15.3ft	4.66m

Delivered Lumen: 141.4 lm
Vertical Beam Spread: 41.9°
Horizontal Beam Spread: 46°

Tested on 17/11/2025