

Metaphase's LED spotlight provides low cost, washdown illumination. These illuminators are available in a variety of beam angles and optimal working distances and are encased in a rugged waterproof housing that can stand up to high-pressure washdown environments. The standard spotlight has a $\pm 16^{\circ}$ (Medium) beam angle (i.e. 1.1m coverage at 4.0m working distance). Other beam angles include $\pm 12^{\circ}$ (Narrow) and $\pm 25^{\circ}$ (Wide).





FEATURES

- Homogenous light output that provides high intensity illumination
- Rugged design, IP67 washdown rated housing
- LED thermal management for stable performance
- Swivel bracket allows for precise positioning
- Flicker free performance and instant start up with Metaphase analog driver technology
- Available in ±12°, ±16° or ±25° beam angles
- An ideal light with many applications including, Spot lighting, Area illumination, Packaging transportation
- Built-in Constant Current Driver with 0 10VDC intensity control
- Compatible with DDC-3 and ILD-35 Dimmers

WAVELENGTHS								
Order ID	Description / nanometers							
W	White (6000K), Nominal							
R	Red / 630nm							
G	Green / 530nm							
В	Blue / 470nm							
IR850 (or IRN)	Infrared / 850nm							
IR880 (or IRL)	Infrared / 880nm							
IR940	Infrared / 940nm							
UV365 (or UVS)	Ultraviolet Short / 365nm							

GENERAL SPECIFICATIONS

Power Source: Cable (Standard): Housing: Ambient Temp: Lifetime Expectancy: 24VDC ±5% 10-foot cable with flying leads Black Anodized Aluminum -20°C to 40°C 75,000 hours (except UV)



Washdown LED Spotlight									
MODEL	Dimensions Length x Diameter Inches (cm)	Lens Diameter Inches (cm)	Weight Ibs (grams)	Cable QTY	Cable Length	Cable Description	Typical Input Current (White) @24VDC		
FR-SL205	3.16" x Ø3.15" (8.0cm x Ø8.0cm)	Ø1.77" (Ø4.5cm)	1.2 (550)	1	10ft	24 AWG 4 Wire	.47A		

Wiring (4 conductors, flying leads)**							
Wire Color	Function						
RED	+24VDC						
WHITE	0-10VDC INTENSITY CONTROL						
BLACK	GROUND (24V RTN)						
GREEN	SIGNAL GROUND						

Wiring (4 conductors, without Intensity Control)							
Wire Color	Function						
RED	+24VDC						
WHITE	+24VDC						
BLACK	GROUND (24V RTN)						
GREEN	GROUND (24V RTN)						

M12 (5 position male)**							
Pin #	Function						
1	+24VDC						
2	0-10VDC Intensity Control						
3	GROUND (24V RTN)						
4	SIGNAL GROUND						
5 No Connection							
The M12 connector option is not recommended for lights rated more than 4 amps							

Wiring with ULC-2								
Wire Color Function								
RED, WHITE (+)								
BLACK, GREEN (-)	LED INPUT							
Terminated within a 2 position BCP-508-2 connector to interface with the ULC-2 "LED Output"								

**Note: The 0-10VDC Intensity Control input can accept voltages from 0-24VDC where the light will operate at full intensity in the 10-24VDC range. The light is proportionally dimmer for any Intensity Control voltage less than 10VDC and the light is OFF at approximately 0V or not connected (floating).

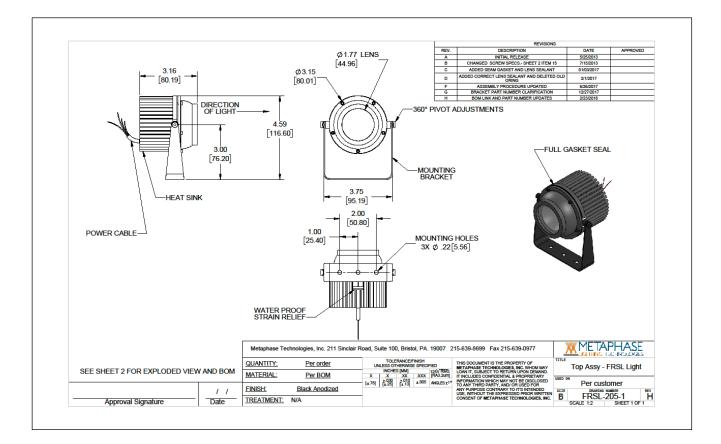


PART NUMBER KEY											
MODEL	SIZE	-	WAVELENGTH	-	DRIVER* (most common)	-	LENS	-	CABLE LENGTH	-	CONN.** (most common)
FR-SL	ххх	1	ххххх	-	xxxxxxx	-	ххх	-	ххх	-	xxxx
FR-SL 2	205		W (White 6000K, Nominal) R (Red 630nm) G (Green 530nm) B (Blue 470nm) IR850 (Infrared 850nm) IR940 (Infrared 940nm) UV395 (UV Long 395nm)		24Z 24NZ 24-ILSXXX 24-ILD U ¹ XXX=rate in µs Example: 250		L12 (12°) L16 (16°) L25 (25°)		5M 10M Length can be customized: ex.7M=7meters Select or leave blank for 3 meters		M12D ^{1 2} Select or leave blank for flying leads
Example 1: FR-SL205-W-24Z-L16 ¹ Not available in lights exceeding 4A i Example 2: FR-SL205-R-24-ILD-L25 ² Default cable length for an M12D connector											

Contact Metaphase Technologies or your local representative for options such as custom diffusers, lenses, polarizers, IP-rated enclosures for harsh environments, higher intensity, custom wavelengths, higher uniformity, etc. Not all options are available for all lights.



Sample Part Number: FR-SL205-W-24Z-L16











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