

Circular Reflectors for Cree LMH2 LED Modules

Overview

Cree's reflectors are part of the ecosystem designed to be used in LMH2-based luminaire design. Cree offers a range of reflectors with different finishes and aperture sizes that deliver different center-beam candlepower (CBCP), spacing-to-mounting ratios, beam and field angles, enabling lighting manufacturers to address a wide range of lighting, shorten their design cycle and speed time to market.

Specifications

Cree Reflector #	Description	Aperture	LMH2 Lens	Finish	Source Lumens	Proration Factor	CBCP	S/M Ratio	Beam Angle (50% Max CD)	Field Angle (10% Max CD)
LMH020-REFL-0000-0000045	4" Circular Reflector, Diffuse Finish	4	Flat	Diffuse	2000 3000 4000 6000	0.67 1 1 1	1388.91 2073 2626 4276	0.98 0.98 1 1	62.4 62.4 63.5 63.3	94.8 94.8 96.8 96.7
LMH020-REFL-0000-0000044	4" Circular Reflector, White Finish	4	Flat	White	2000 3000 4000 6000	0.67 1 1 1	1249.55 1865 2421 3947	1.02 1.02 1.02 1.02	64.5 64.5 65.1 64.9	108.7 108.7 110.4 110.2
LMH020-REFL-0000-0000042	4" Circular Reflector, Semi-Specular Finish	4	Flat	Semi-Specular	2000 3000 4000 6000	0.67 1 1 1	2345.67 3501 4565 7475	0.82 0.82 0.78 0.78	52.8 52.8 52 51.9	79.9 79.9 81.2 81.1
LMH020-REFL-0000-0000046	4" Spot Reflector, Faceted, Semi-Specular, Flat Lens	4.75	Flat	Semi-Specular	2000 3000 6000	0.67 1 1	5089.32 7596 2927	0.42 0.42 1.14	24.9 24.9 86.3	63 63 145.9
LMH020-REFL-0000-0000046	4" Spot Reflector, Faceted, Semi-Specular, Flat Lens	4.75	Dome	Semi-Specular	2000 3000	0.67 1	2637.79 3937	0.64 0.64	41.7 41.7	81 81
LMH020-REFL-0000-0000062	6" Circular Reflector, Semi-Specular Finish	6	Flat	Semi-Specular	850 1250 2000 3000 4000 6000	1 1.47 0.67 1 1 1	1205 1771.35 2288.05 3415 3312 5407	0.68 0.68 0.9 0.9 1 1	50.2 50.2 58.8 58.8 66.4 66.5	76.2 76.2 81.3 81.3 89.2 89.3
LMH020-REFL-0000-0000064	6" Circular Reflector, White Finish	6	Flat	White	850 1250 2000 3000 4000 6000	1 1.47 0.67 1 1 1	547 804.09 1230.79 1837 2233 3658	1.08 1.08 1.1 1.1 1.14 1.16	67.4 67.4 69.2 69.2 71.6 71.9	111.5 111.5 116.8 116.8 116.9 117.9
LMH020-REFL-0000-0000082	8" Circular Reflector, Semi-Specular Finish	8	Flat	Semi-Specular	850 1250 2000 3000 4000 6000	1 1.47 0.67 1 1 1	1113 1636.11 2128.59 3177 4094 6753	0.74 0.74 0.92 0.92 0.88 0.86	52.2 52.2 60.9 60.9 60.1 59.7	79.3 79.3 82.4 82.4 84.2 84
LMH020-REFL-0000-0000084	8" Circular Reflector, White Finish	8	Flat	White	850 1250 2000 3000 4000 6000	1 1.47 0.67 1 1 1	536 787.92 1222.08 1824 2265 3732	1.1 1.1 1.12 1.12 1.14 1.14	71.2 71.2 72.7 72.7 74.3 74.1	108.4 108.4 114.4 114.4 114.9 115.4