

IRIS-O

~40° x 30° oval beam with sublens and holder optimized for CREE XM-L.

SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	28.8 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length
F12075_IRIS	Single lens	PMMA	clear		
C12034_IRIS-XM-HLD	Holder	PC	black		
C12733_IRIS-SUB-O	Sublens	PC	clear		

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1
Sublens	1



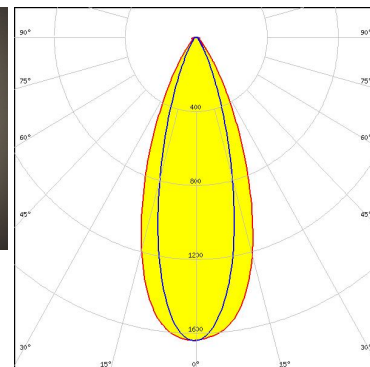
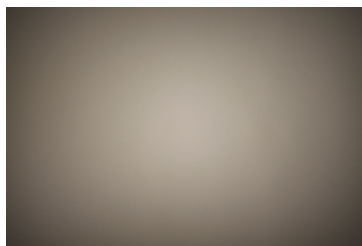
Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12075_IRIS » Box size: 480 x 280 x 300 mm	Single lens	450	90	45	7.5
C12034_IRIS-XM-HLD » Box size: 480 x 280 x 300 mm	Holder	1080	90	15	7.3
C12733_IRIS-SUB-O » Box size: 300 x 250 x 250 mm	Sublens	2500	90	4	5.0



OPTICAL RESULTS (MEASURED):



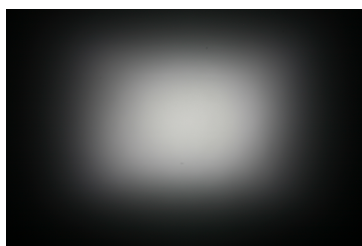
LED XHP50
FWHM / FWTM 42.0 + 29.0° / 72.0 + 55.0°
Efficiency 80 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



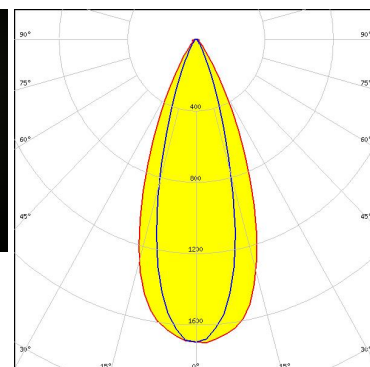
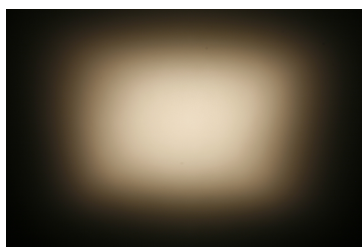
LED XM-L
FWHM / FWTM 42.0 + 30.0° / 72.0 + 54.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L2
FWHM / FWTM 43.0 + 30.0° / 70.0 + 53.0°
Efficiency 80 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

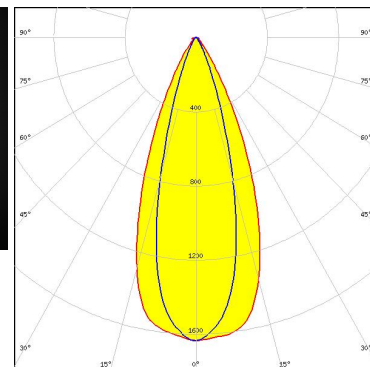
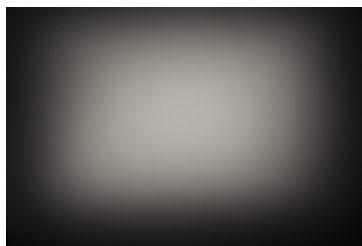


Light distribution files

OPTICAL RESULTS (MEASURED):



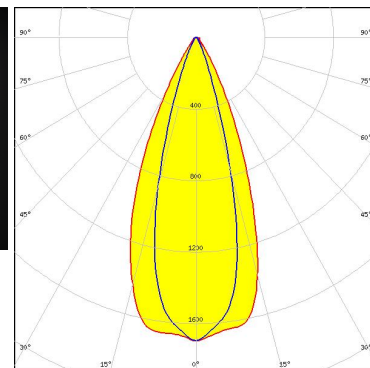
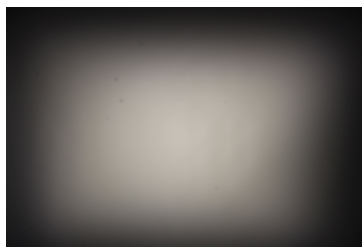
LED LUXEON V
FWHM / FWTM 44.0 + 29.0° / 70.0 + 51.0°
Efficiency 80 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 44.0 + 29.0° / 68.0 + 48.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

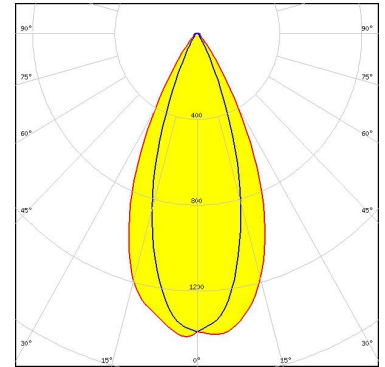


Light distribution files

OPTICAL RESULTS (SIMULATED):



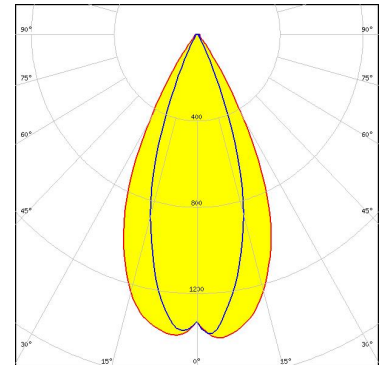
LED XHP35 HD
FWHM / FWTM 49.0 + 34.0° / 75.0 + 57.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



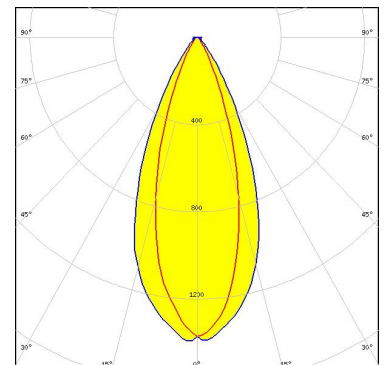
LED XHP35 HI
FWHM / FWTM 52.0 + 36.0° / 74.0 + 54.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50.2
FWHM / FWTM 46.0 + 32.0° / 76.0 + 59.0°
Efficiency 79 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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