

IRIS

~5° real spot beam optimized for CREE XM-L.
Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 38.0
Height	27.7 mm
Fastening	tape, pin, screw
ROHS compliant	yes ⓘ

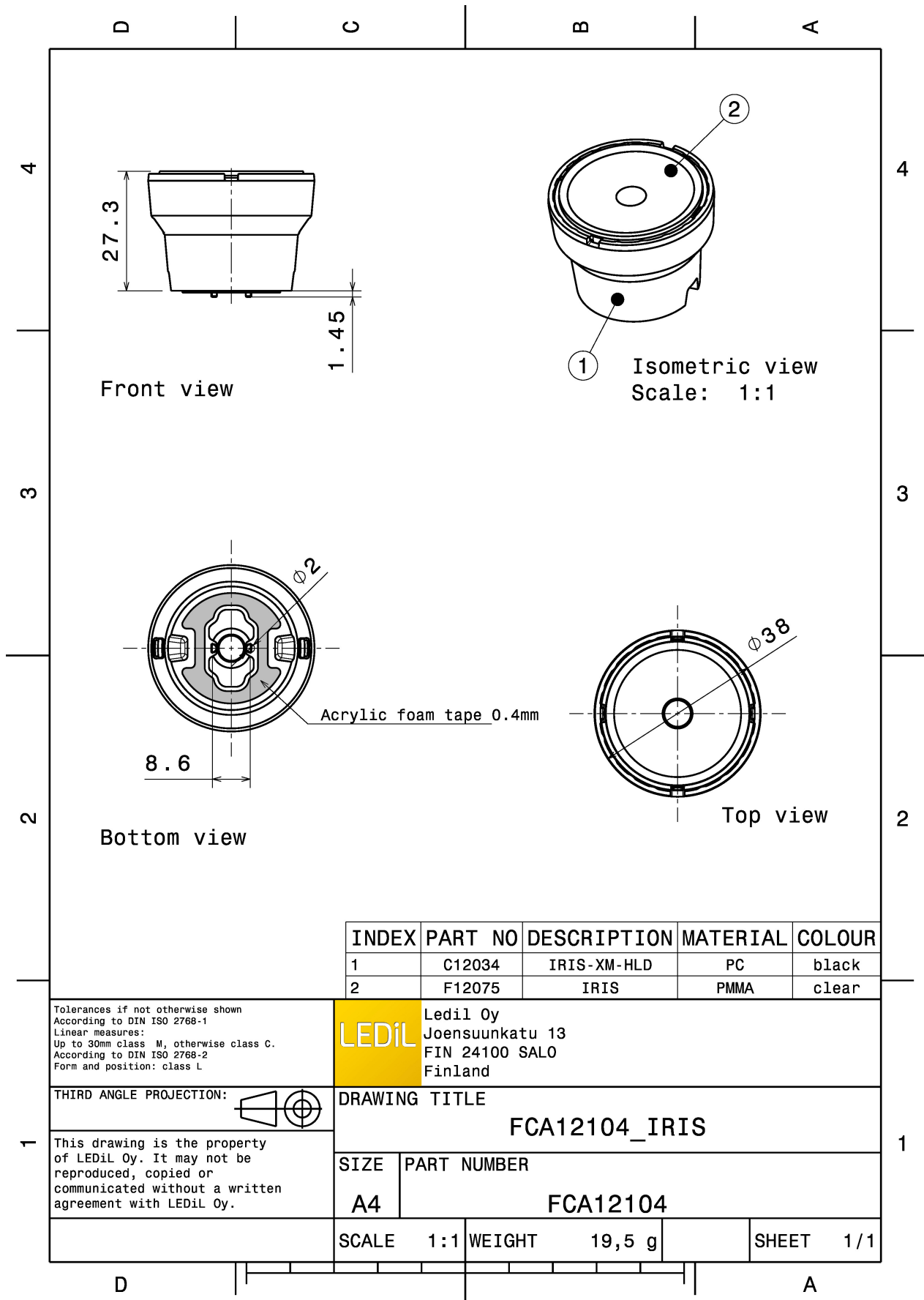
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
IRIS	Single lens	PMMA	clear		
IRIS-XM-HLD	Holder	PC	black		
SPUTNIK-TAPE	Tape	Acrylic foam	black		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FCA12104_IRIS » Box size: 480 x 280 x 300 mm	378	126	42	9.0



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12034	IRIS-XM-HLD	PC	black
2	F12075	IRIS	PMMA	clear

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 Up to 30mm class M, otherwise class C.
 According to DIN ISO 2768-2
 Form and position: class L

LEDiL Ledil Oy
 Joensuunkatu 13
 FIN 24100 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FCA12104_IRIS

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SIZE	PART NUMBER
A4	FCA12104

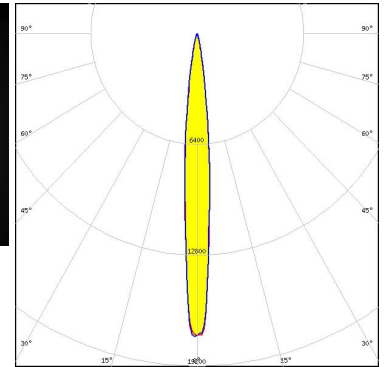
SCALE	1:1	WEIGHT	19,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



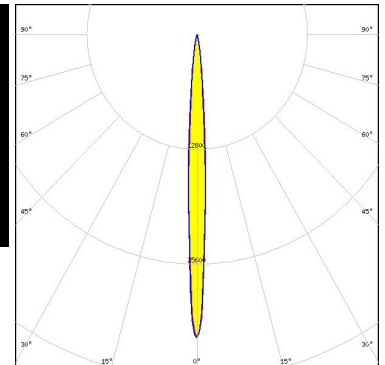
LED XHP35 HD
FWHM / FWTM 10.0° / 22.0°
Efficiency 91 %
Peak intensity 17.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



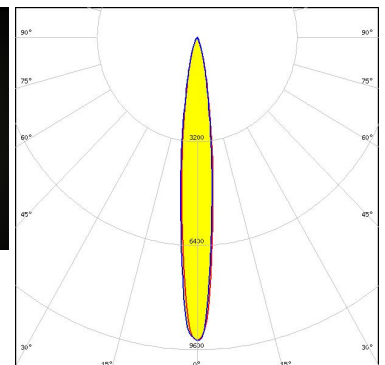
LED XHP35 HI
FWHM / FWTM 7.0° / 16.0°
Efficiency 93 %
Peak intensity 33.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50.2
FWHM / FWTM 12.0° / 30.0°
Efficiency 88 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

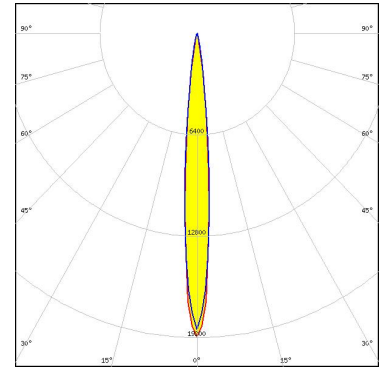


Light distribution files

OPTICAL RESULTS (MEASURED):



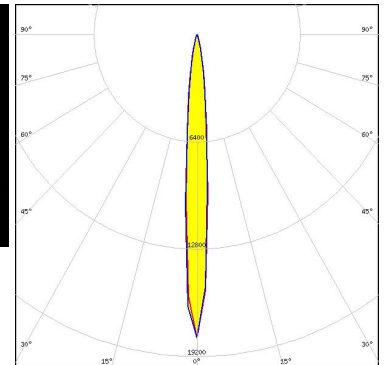
LED XM-L
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 91 %
 Peak intensity 19.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



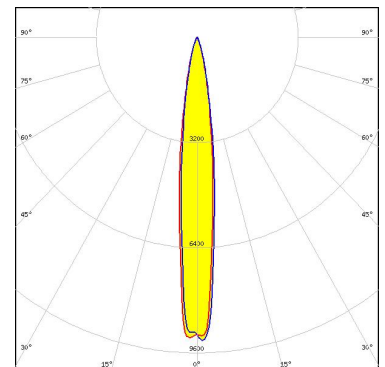
LED XM-L2
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 86 %
 Peak intensity 18.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NV4x144A
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 89 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

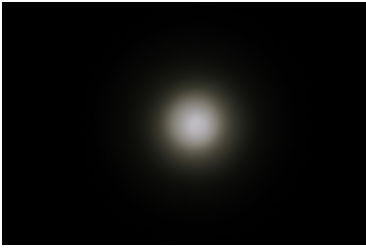
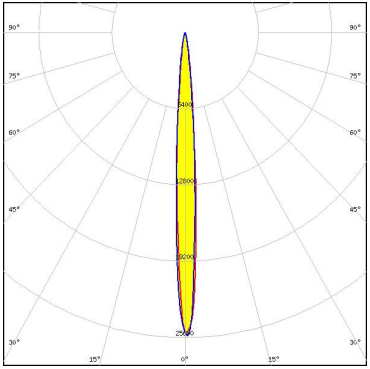


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

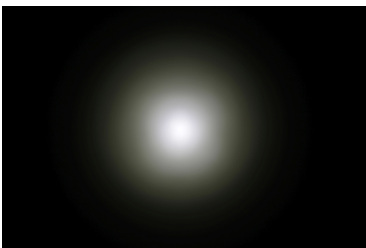
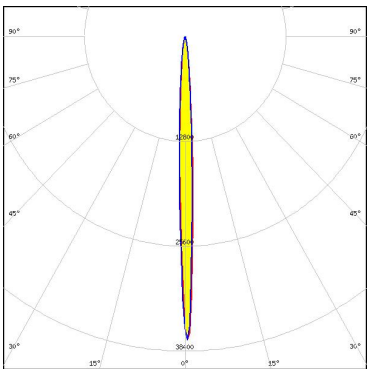
LED	NVSW3x9A
FWHM / FWTM	7.0° / 17.0°
Efficiency	85 %
Peak intensity	25.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	5.0° / 14.0°
Efficiency	91 %
Peak intensity	38.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

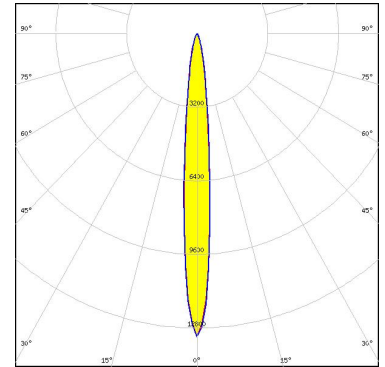



Light distribution files

OPTICAL RESULTS (SIMULATED):



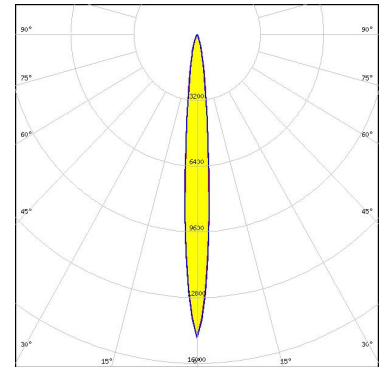
LED J Series 5050B 6V K Class
FWHM / FWTM 10.0° / 26.0°
Efficiency 92 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



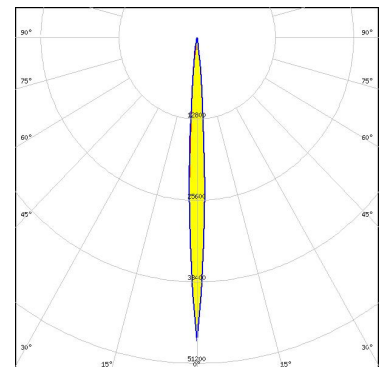
LED J Series 5050C 6V E Class
FWHM / FWTM 10.0° / 25.0°
Efficiency 92 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XD16
FWHM / FWTM 6.0° / 14.0°
Efficiency 91 %
Peak intensity 47.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

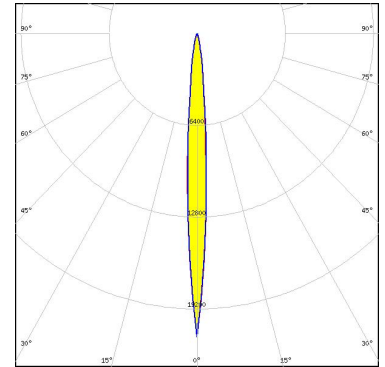


Light distribution files

OPTICAL RESULTS (SIMULATED):



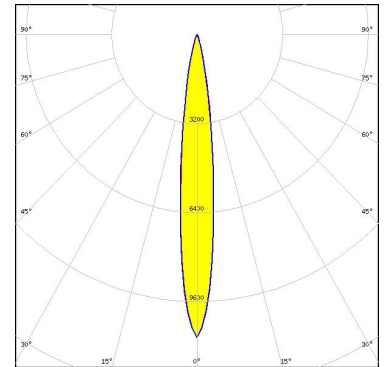
LED XHP35.2 HD
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 85 %
 Peak intensity 21.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



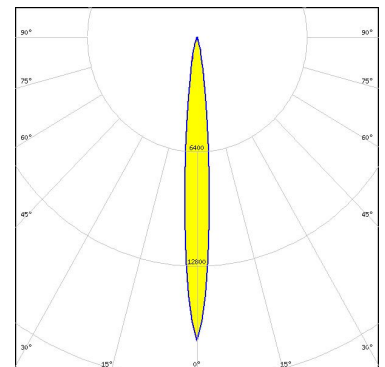
LED XHP50.3 HD
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 89 %
 Peak intensity 10.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XHP50.3 HI
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 96 %
 Peak intensity 17 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

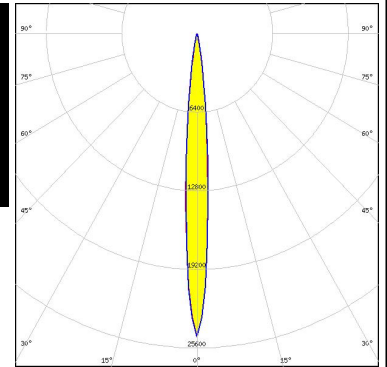


Light distribution files

OPTICAL RESULTS (SIMULATED):



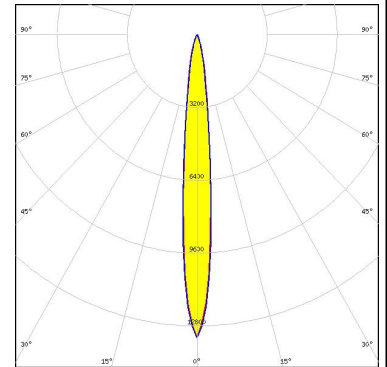
LED XP-L HD
 FWHM / FWTM 8.8° / 19.0°
 Efficiency 93 %
 Peak intensity 24.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



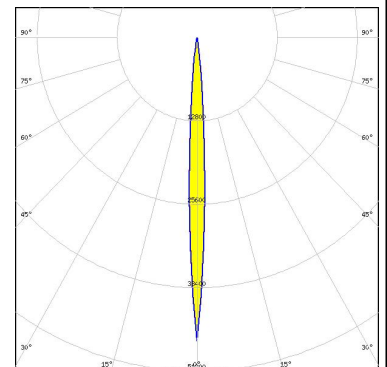
LED LUXEON 5050 Round LES
 FWHM / FWTM 10.0° / 27.0°
 Efficiency 92 %
 Peak intensity 13.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFT-40-WCS
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 46.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

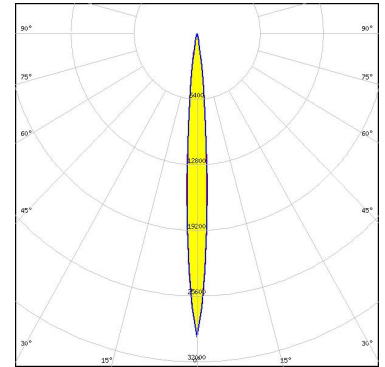


Light distribution files

OPTICAL RESULTS (SIMULATED):



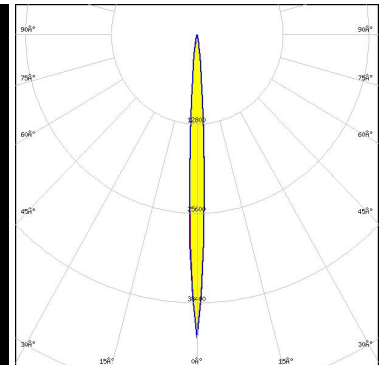
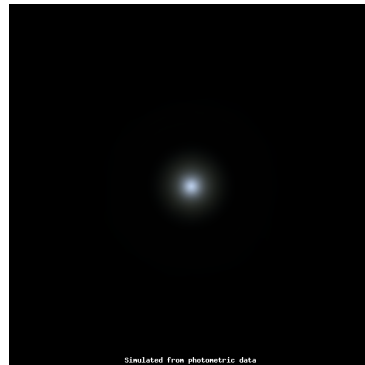
LED SFT-70X-WCS
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 29.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



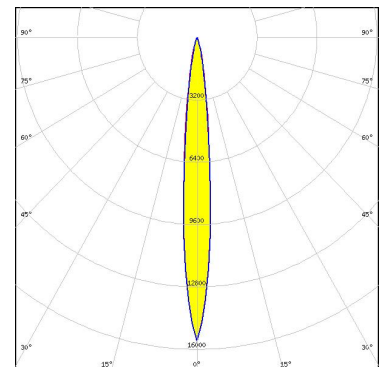
LED SST-20 Gen2
FWHM / FWTM 6.0° / 14.0°
Efficiency 91 %
Peak intensity 43.4 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-70X-WCS
FWHM / FWTM 10.0° / 24.0°
Efficiency 92 %
Peak intensity 15.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

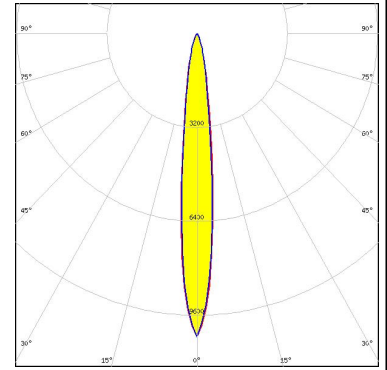


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	12.0° / 30.0°
Efficiency	92 %
Peak intensity	10.3 cd/m
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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