

LR2-RS

~9.6° spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

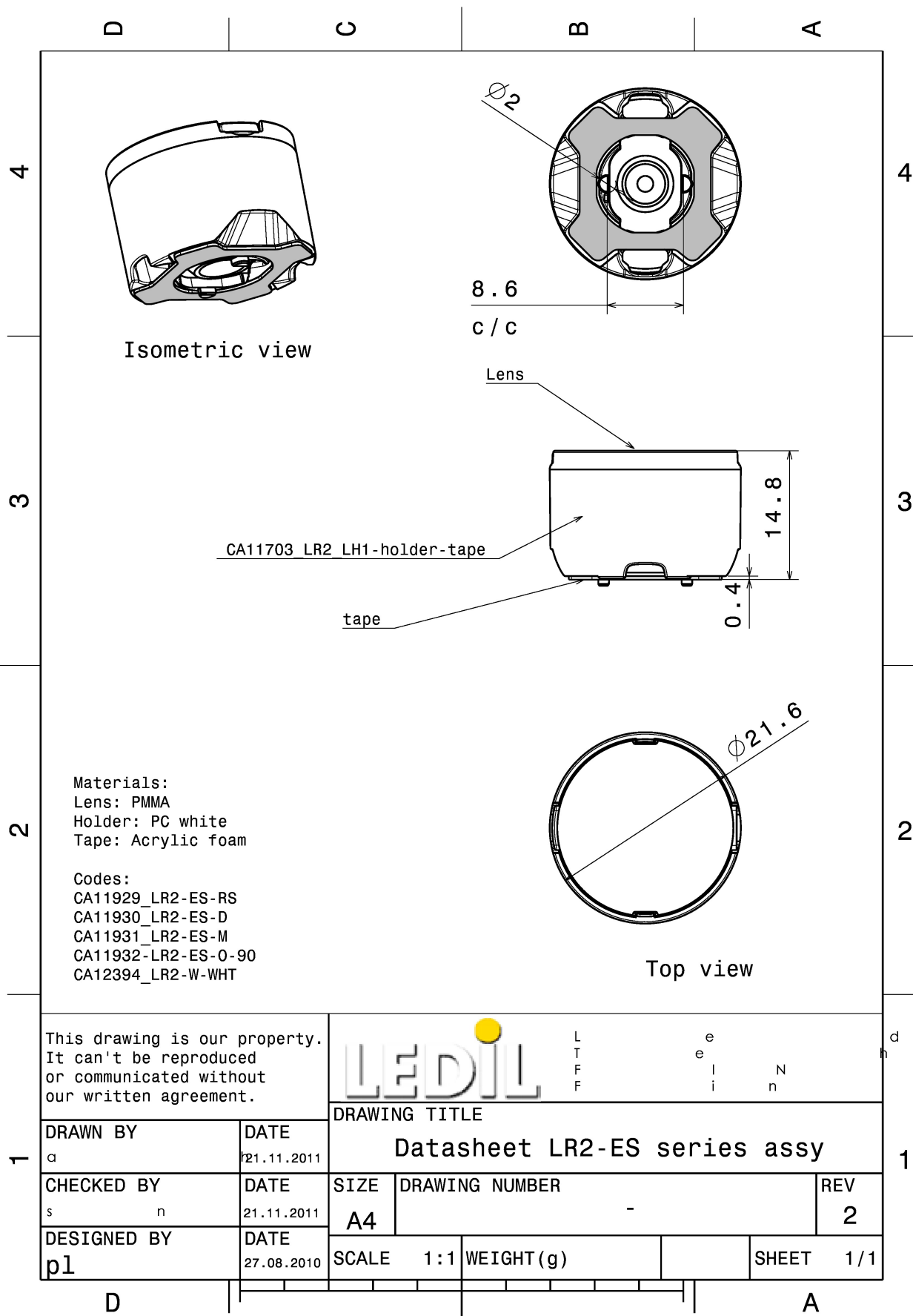
MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-RS	Single lens	PMMA	clear	
LR2-ES-LH1-HLD	Holder	PC	white	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11929_LR2-RS	Single lens	1680	336	112	9.3
» Box size: 480 x 280 x 300 mm					



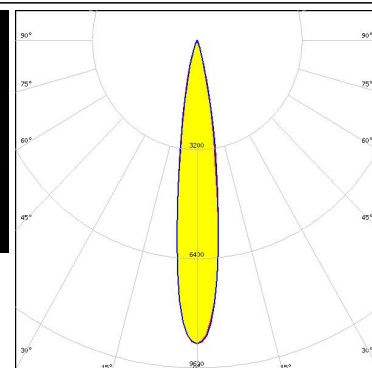
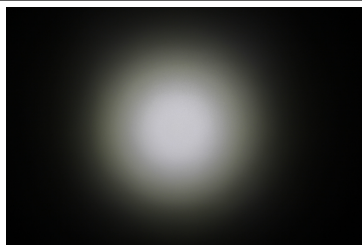


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



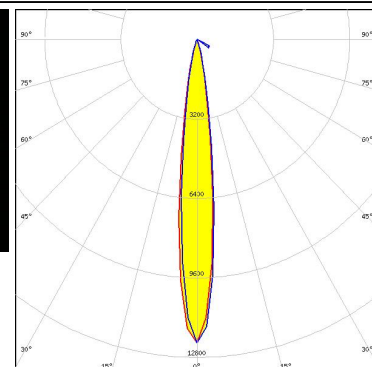
LED XP-L HD
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 91 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



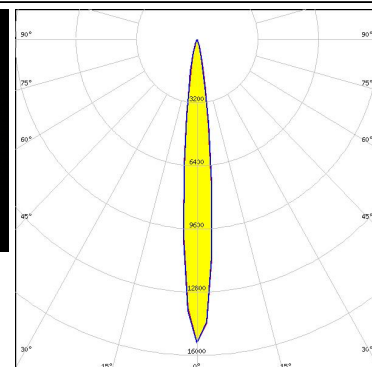
LED LUXEON Rebel ES
 FWHM / FWTM 11.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON T
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 91 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



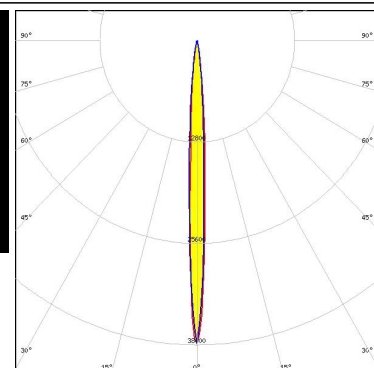
LED LUXEON TX
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 91 %
 Peak intensity 15.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



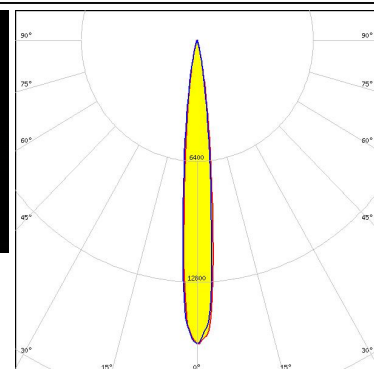
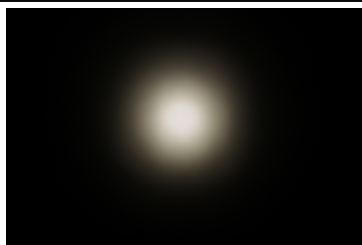
OPTICAL RESULTS (MEASURED):



LED LUXEON Z ES
FWHM / FWTM 6.0° / 16.0°
Efficiency 91 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

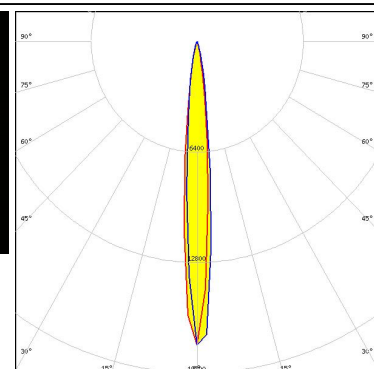
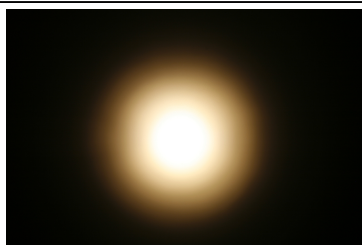


LED NVSxx19B/NVSxx19C
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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LED OSLON Square EC
FWHM / FWTM 10.0° / 22.0°
Efficiency 92 %
Peak intensity 17.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



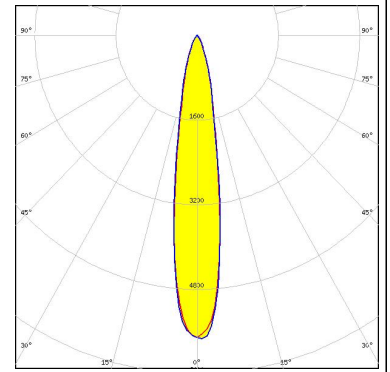
Opto Semiconductors

LED PLPVEC2 850A
FWHM / FWTM 5.0° / 12.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:

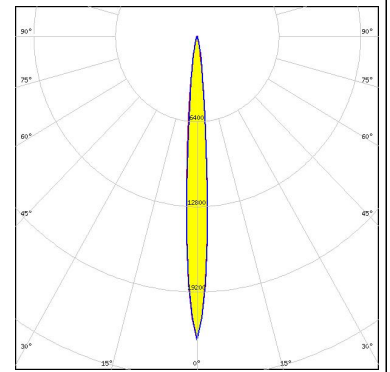
OPTICAL RESULTS (SIMULATED):



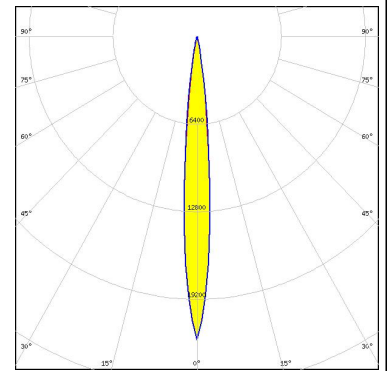
LED J Series 5050 Round LES
FWHM / FWTM 18.0° / 41.0°
Efficiency 95 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



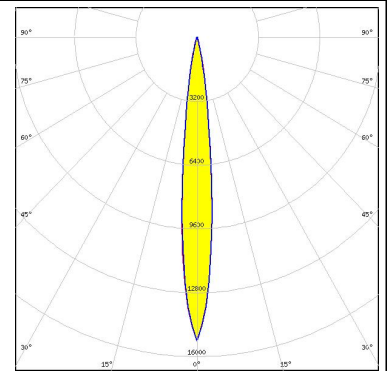
LED XD16
FWHM / FWTM 8.0° / 18.0°
Efficiency 91 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



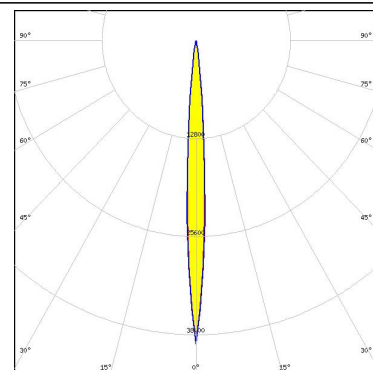
LED XP-G3
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



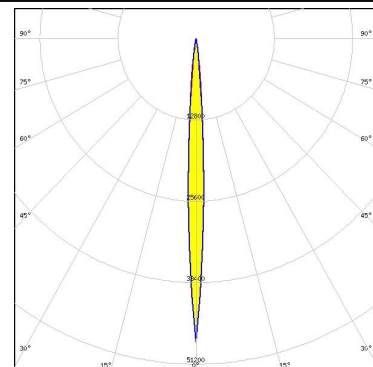
OPTICAL RESULTS (SIMULATED):



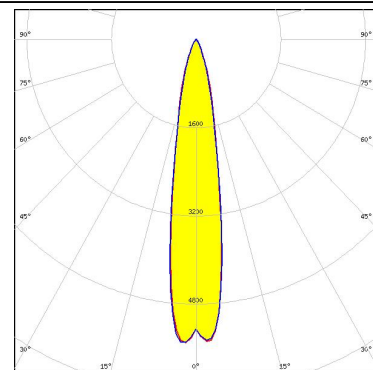
LED XQ-E HD
FWHM / FWTM 7.0° / 15.0°
Efficiency 92 %
Peak intensity 39 cd/lm
LEDs/each optic 1
Light colour White
Required components:



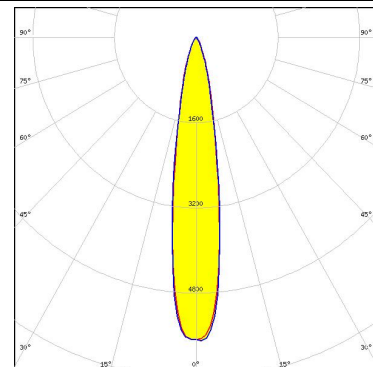
LED XQ-E HI
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 47.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 18.0° / 41.0°
Efficiency 96 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



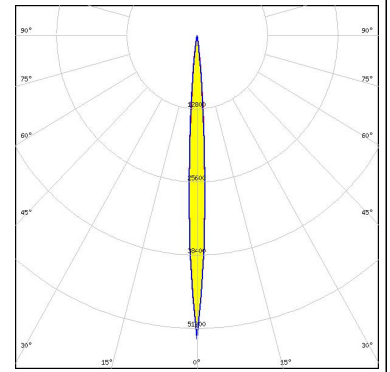
LED LUXEON 5050 Square LES
FWHM / FWTM 18.0° / 40.0°
Efficiency 97 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

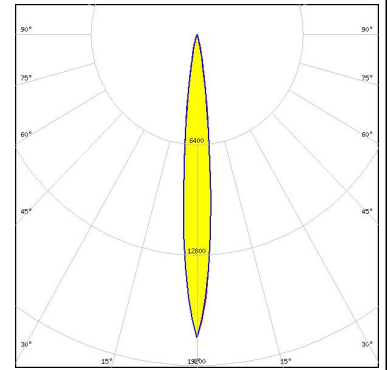
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 53 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



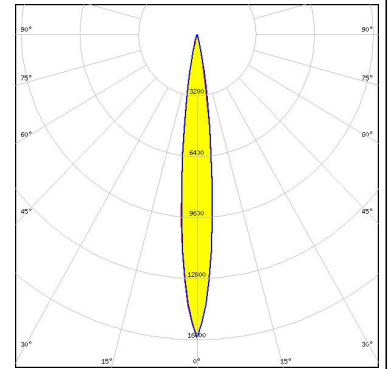
LUMILEDS

LED LUXEON H50-2
FWHM / FWTM 10.5° / 22.0°
Efficiency 93 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



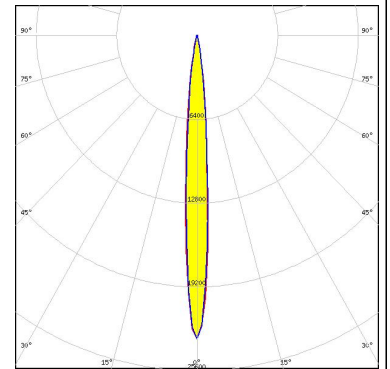
LUMILEDS

LED LUXEON HL2X
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

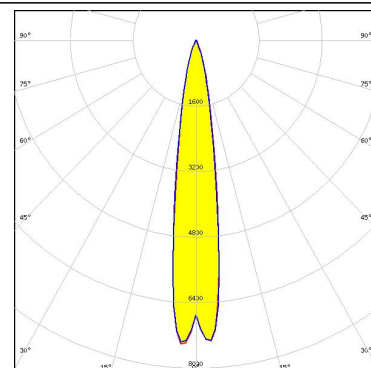
LED LUXEON IR Domed 60 (L110-0xxx0600000000)
FWHM / FWTM 8.0° / 20.0°
Efficiency 92 %
LEDs/each optic 1
Light colour IR
Required components:



OPTICAL RESULTS (SIMULATED):

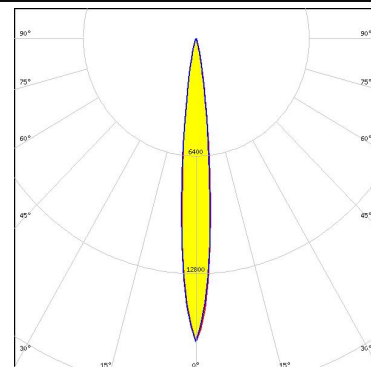
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 16.0° / 34.0°
Efficiency 95 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



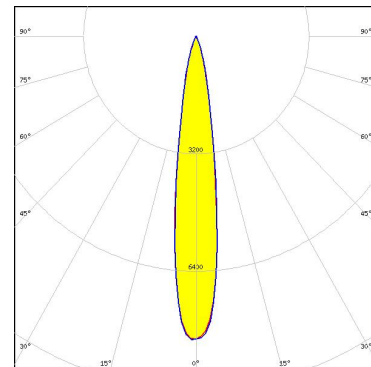
LUMILEDS

LED LUXEON V2
FWHM / FWTM 11.0° / 24.0°
Efficiency 94 %
Peak intensity 16.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



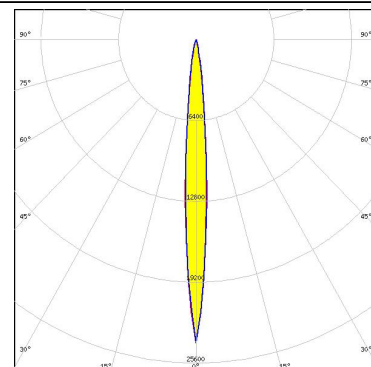
NICHIA

LED NV4WB35AM
FWHM / FWTM 16.0° / 34.0°
Efficiency 96 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM 8.0° / 20.0°
Efficiency 95 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour White
Required components:

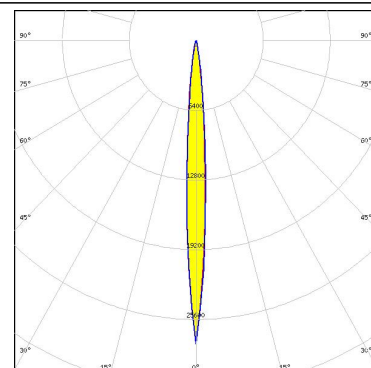


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

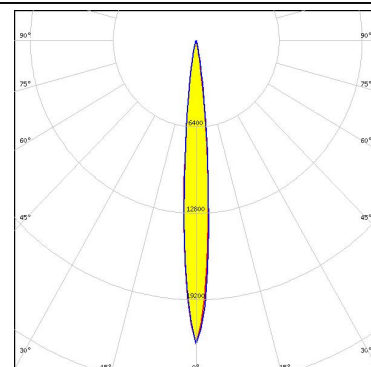
LED OSCONIQ P 3030
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 27.8 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



OSRAM

Opto Semiconductors

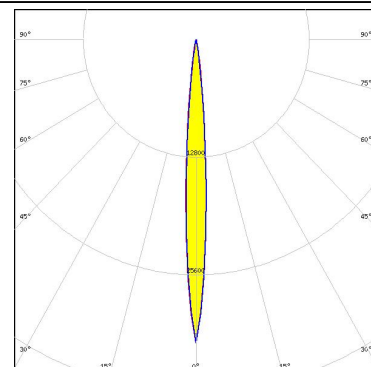
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

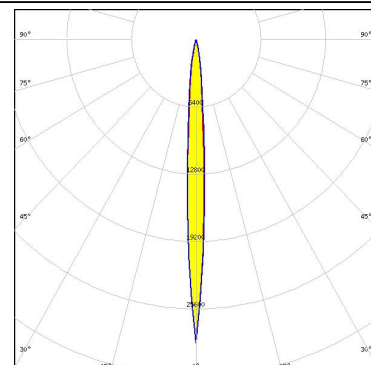
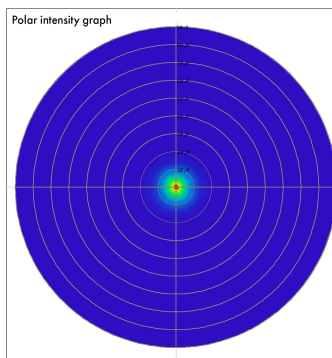
LED OSLOM SSL 120
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 33 cd/lm
LEDs/each optic 1
Light colour Amber
Required components:



OSRAM

Opto Semiconductors

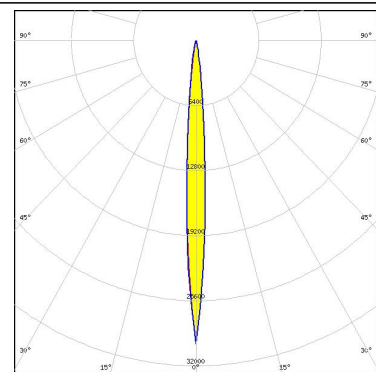
LED SFH 4715AS
FWHM / FWTM 6.0° / 19.0°
Efficiency 94 %
LEDs/each optic 1
Light colour IR
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 8.0° / 18.0°
Efficiency 95 %
Peak intensity 29.9 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



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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