

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 ⓘ

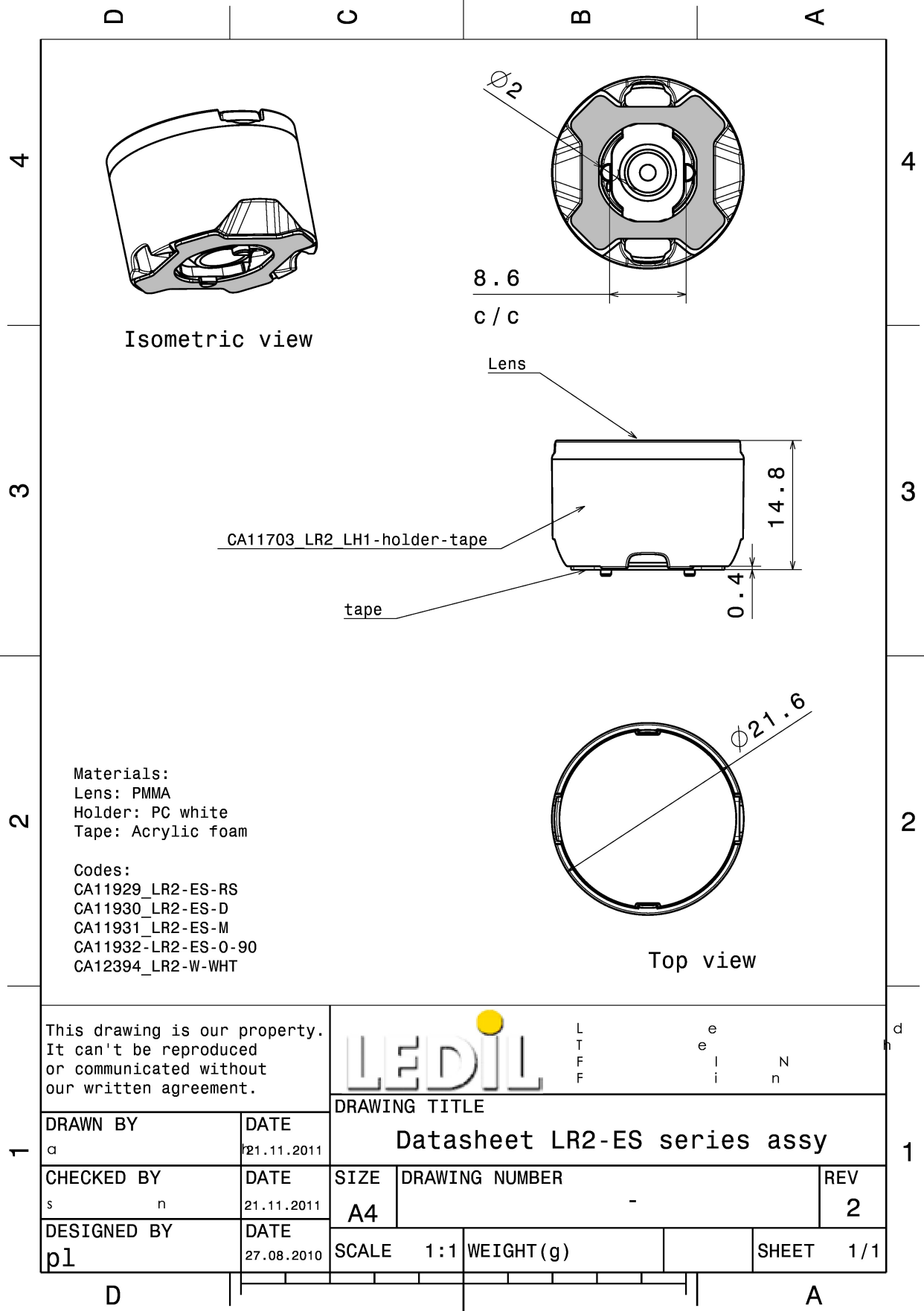
MATERIALS:

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					





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DRAWING TITLE

Datasheet LR2-ES series assy

DRAWN BY a	DATE 21.11.2011
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CHECKED BY s n	DATE 21.11.2011
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DESIGNED BY pl	DATE 27.08.2010
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SIZE A4	DRAWING NUMBER -	REV 2
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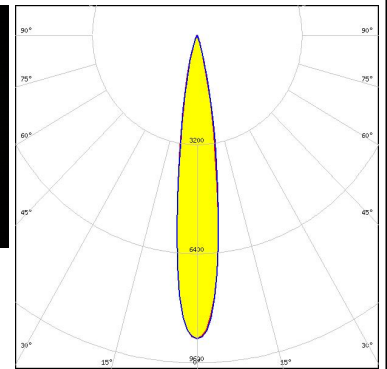
SCALE 1:1	WEIGHT (g)	SHEET 1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



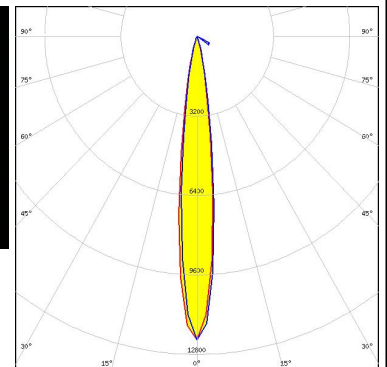
LED XP-L HD
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 91 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



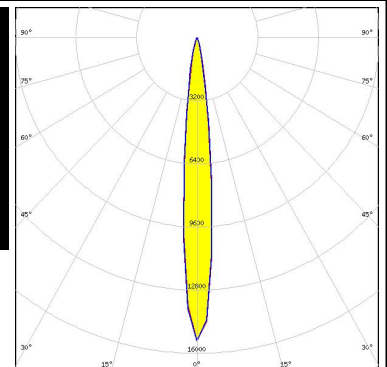
LED LUXEON Rebel ES
 FWHM / FWTM 11.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:




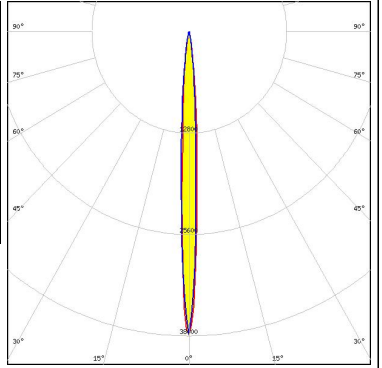

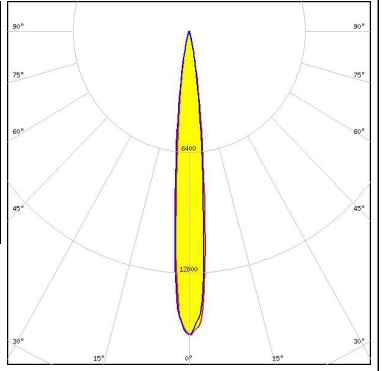

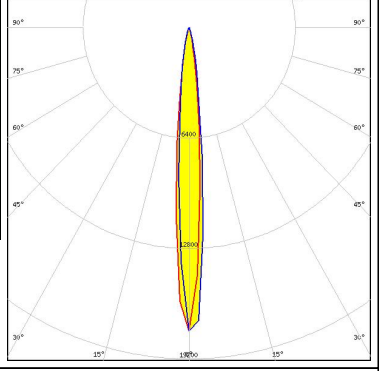


LED LUXEON T
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 91 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



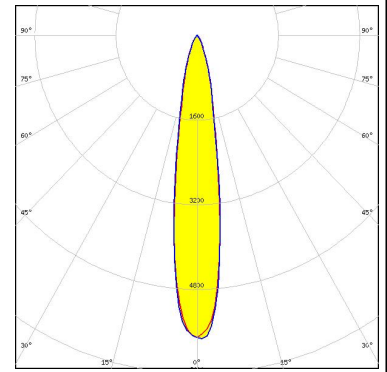
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 6.0° / 16.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 38.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 11.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 16 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 10.0° / 22.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 17.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED PLPVEC2 850A</p> <p>FWHM / FWTM 5.0° / 12.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		

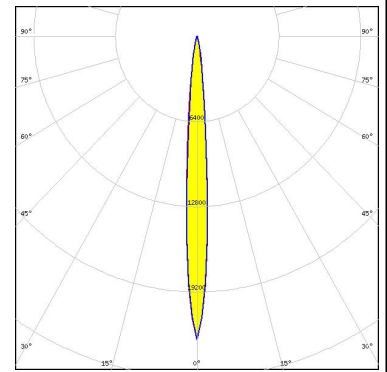
OPTICAL RESULTS (SIMULATED):



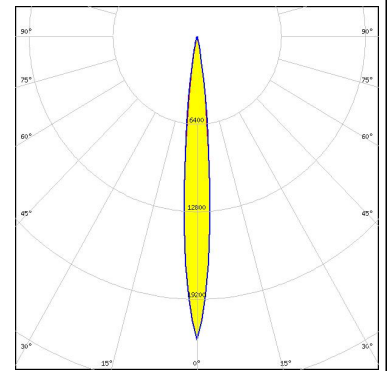
LED J Series 5050 Round LES
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 95 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



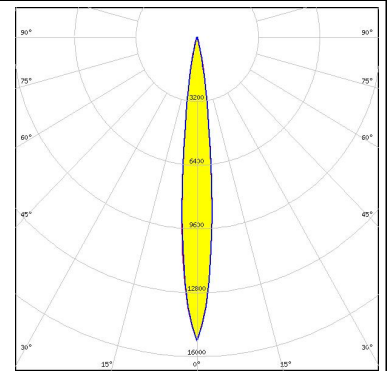
LED XD16
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 91 %
 Peak intensity 22.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



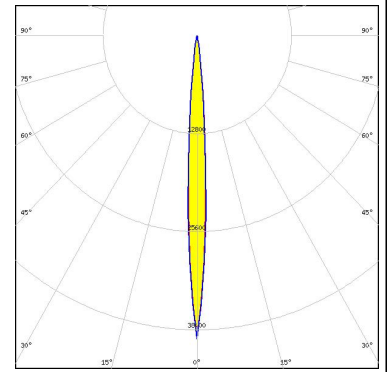
LED XP-G3
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 94 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



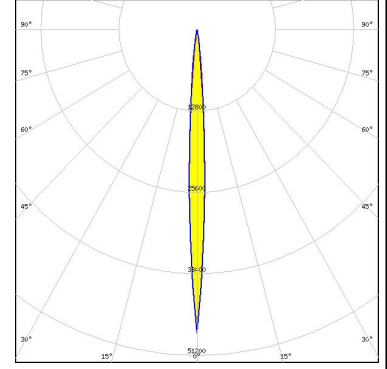
OPTICAL RESULTS (SIMULATED):



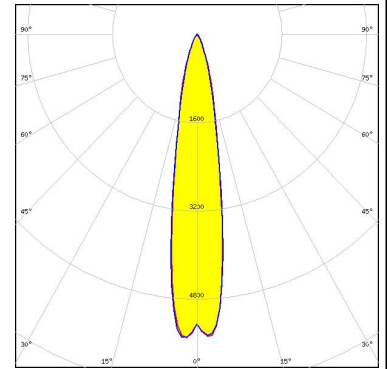
LED XQ-E HD
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 92 %
 Peak intensity 39 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



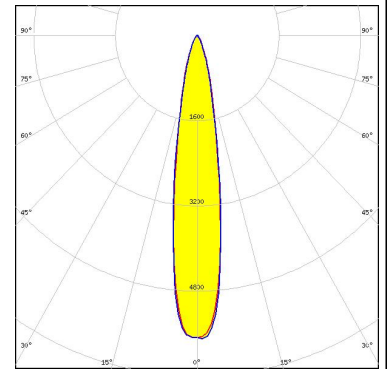
LED XQ-E HI
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 47.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



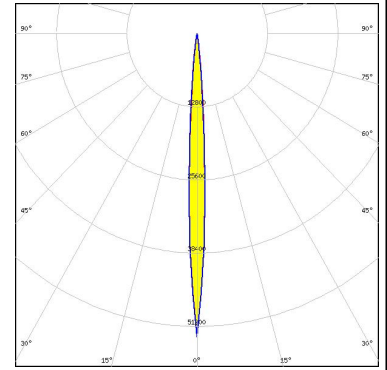
LED LUXEON 5050 Square LES
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 97 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

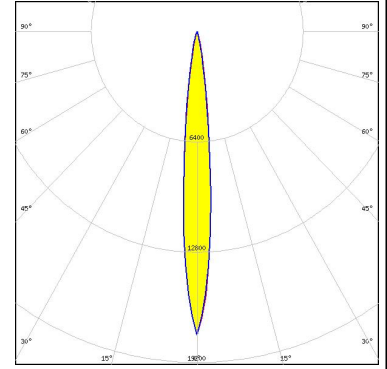
LUMILEDS

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:



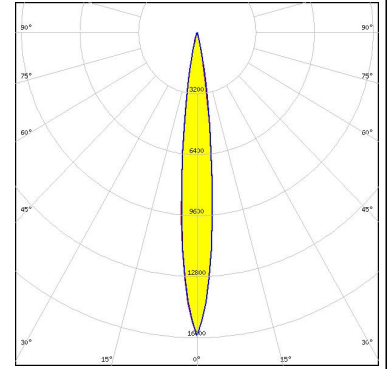
LUMILEDS

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:



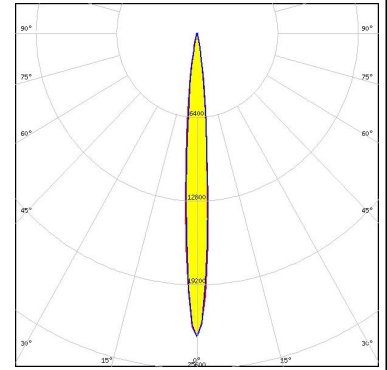
LUMILEDS

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:

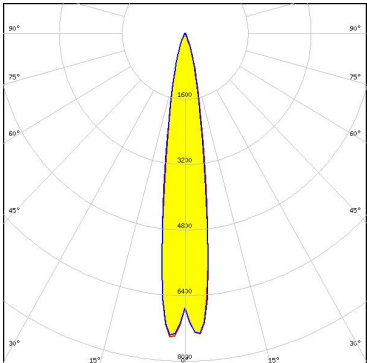
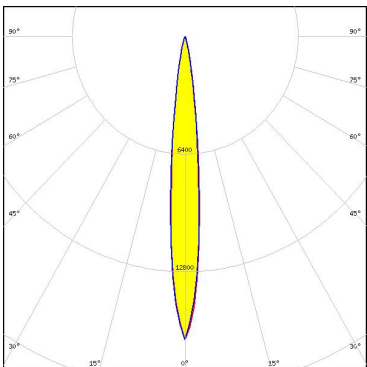
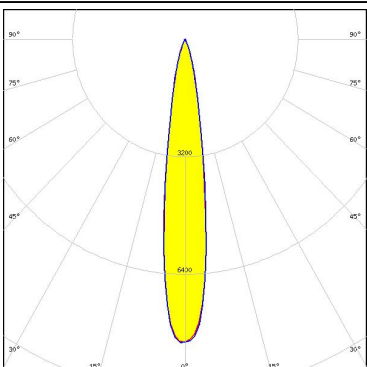
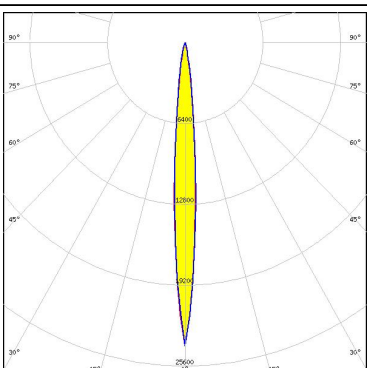


LUMILEDS

LED LUXEON IR Domed 60 (L110-0xxx060000000)
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OPTICAL RESULTS (SIMULATED):

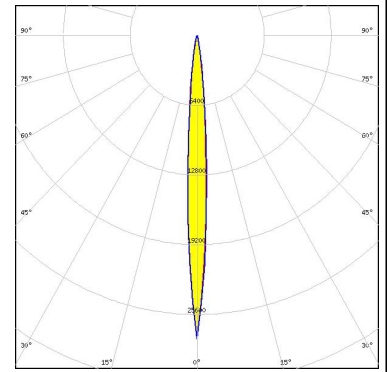
<p>LUMILEDS</p> <p>LED: LUXEON MZ FWHM / FWTM: 16.0° / 34.0° Efficiency: 95 % Peak intensity: 7.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON V2 FWHM / FWTM: 11.0° / 24.0° Efficiency: 94 % Peak intensity: 16.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>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:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>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:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

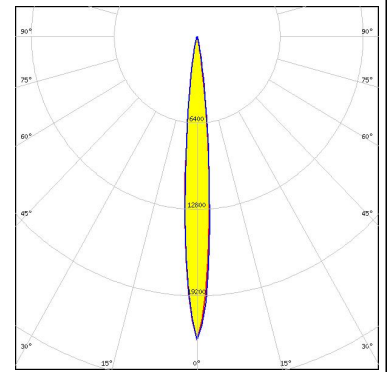
LED OSCONIQ P 3030
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 94 %
 Peak intensity 27.8 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OSRAM

Opto Semiconductors

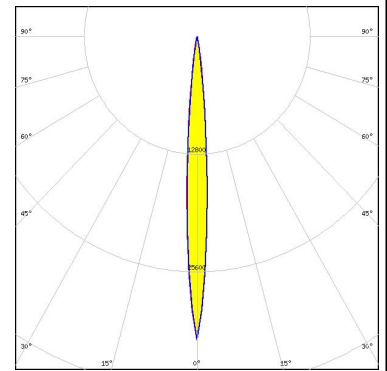
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 95 %
 Peak intensity 22.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

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

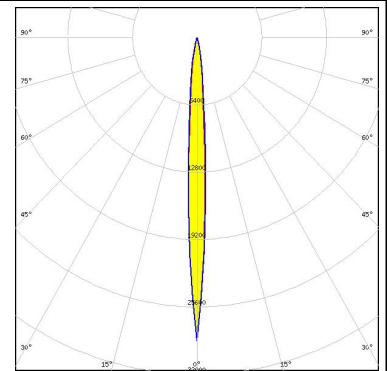
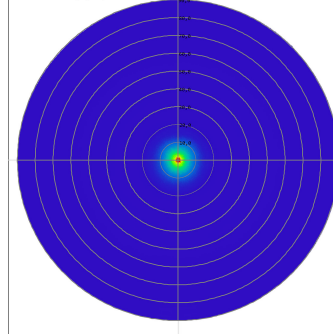


OSRAM

Opto Semiconductors

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

Polar intensity graph



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:	

