

## 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 ⓘ

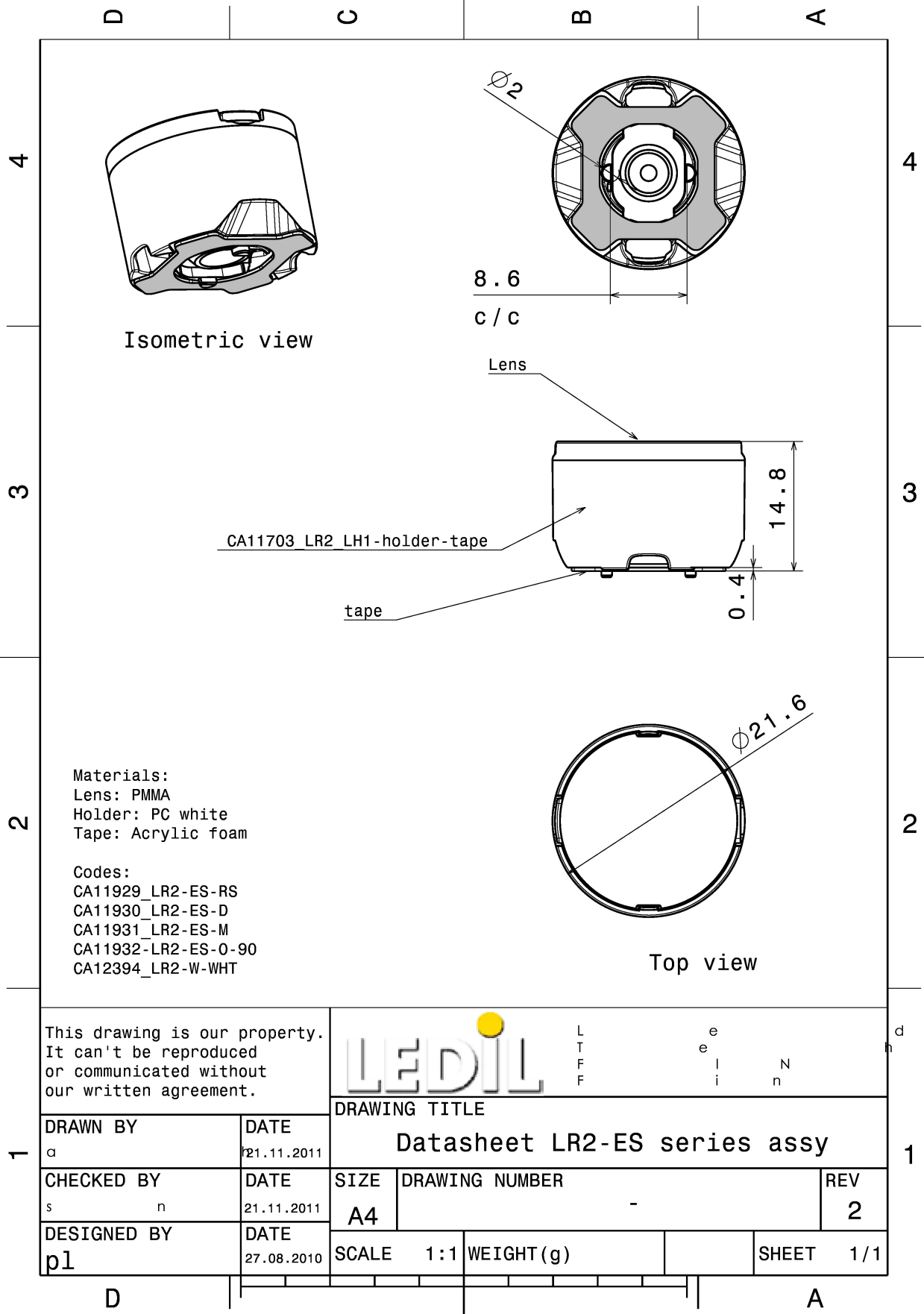
### MATERIALS:

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					



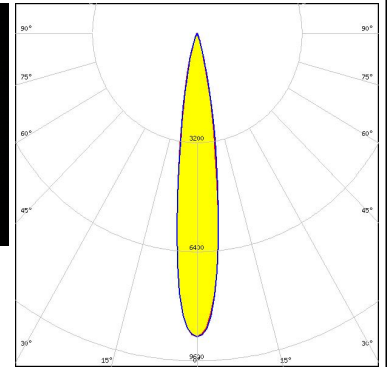


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



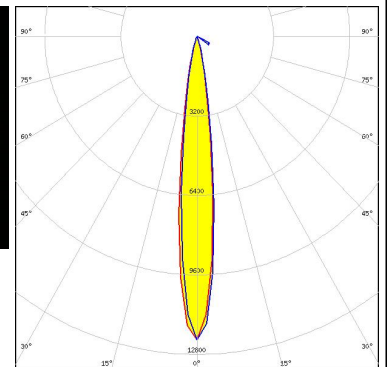
LED XP-L HD  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 91 %  
 Peak intensity 8.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



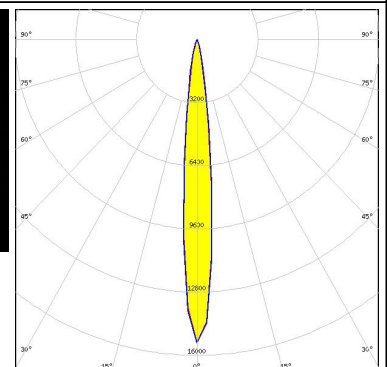
LED LUXEON Rebel ES  
 FWHM / FWTM 11.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:




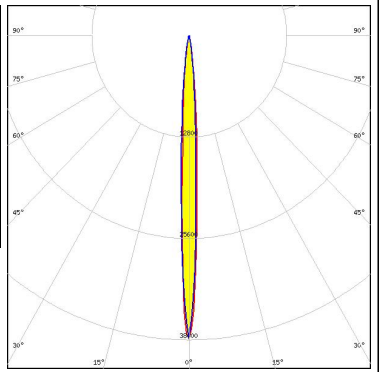

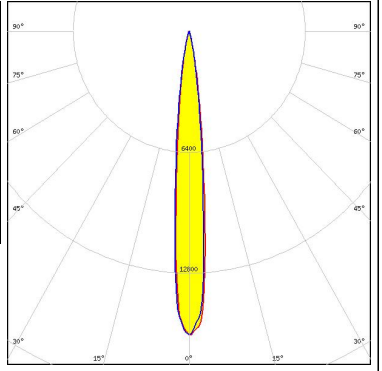

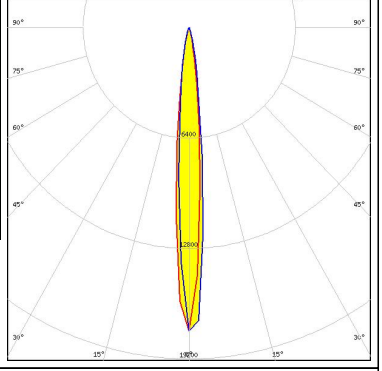


LED LUXEON T  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 91 %  
 Peak intensity 12.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



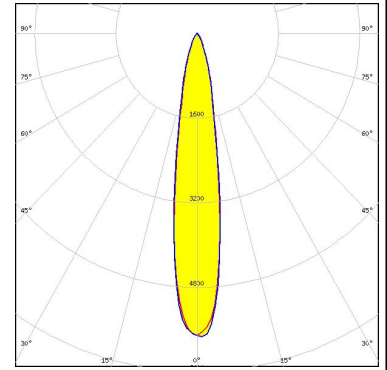
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></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><b>NICHIA</b></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><b>OSRAM</b> 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><b>OSRAM</b> 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>		

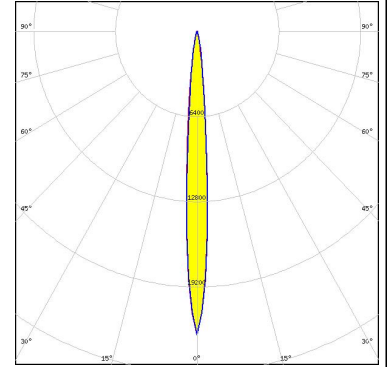
### OPTICAL RESULTS (SIMULATED):



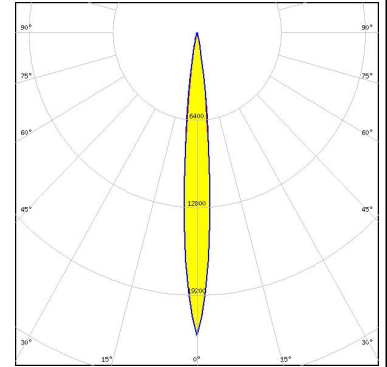
LED J Series 5050 Round LES  
 FWHM / FWTM 18.0° / 41.0°  
 Efficiency 95 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



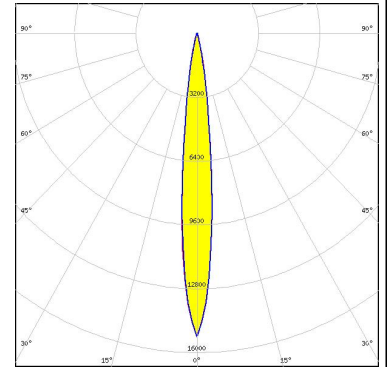
LED XD16  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 22.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



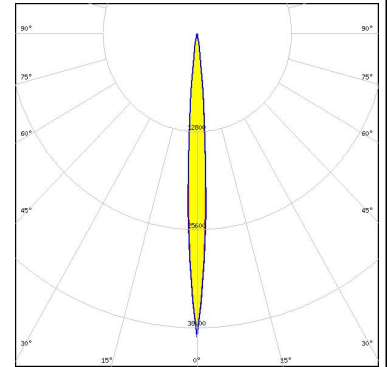
LED XP-G3  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 15.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

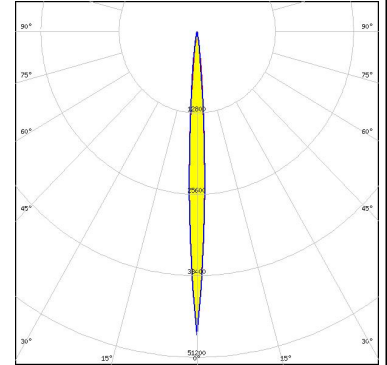
#### CREE LED

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:



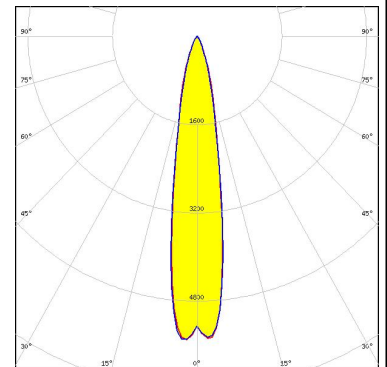
#### CREE LED

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:



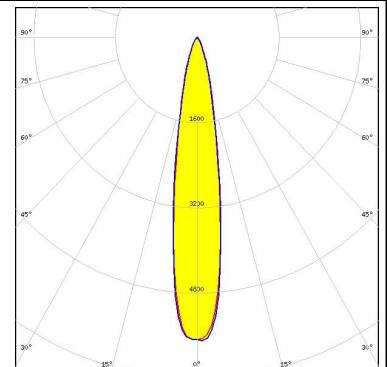
#### LUMILEDS

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:



#### LUMILEDS

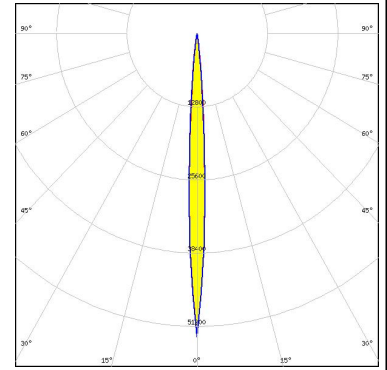
LED LUXEON 5050 Square LES  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 97 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

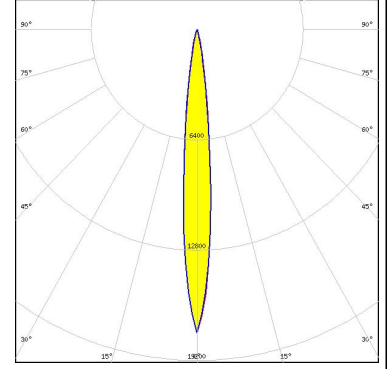
#### LUMILEDS

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:



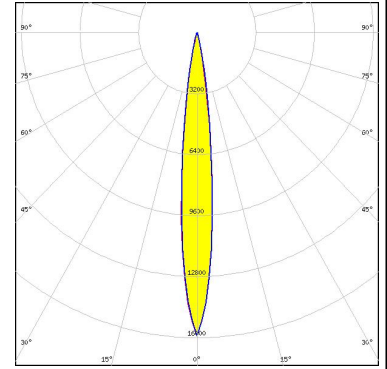
#### LUMILEDS

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:



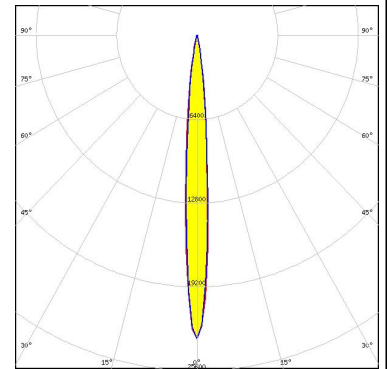
#### LUMILEDS

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

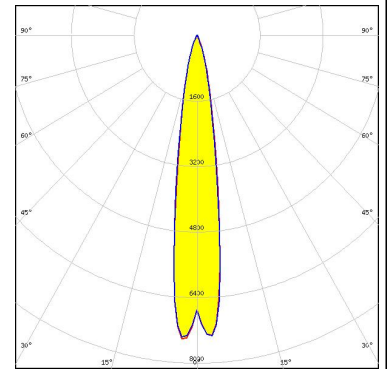
LED LUXEON IR Domed 60 (L110-0xxx060000000)  
 FWHM / FWTM 8.0° / 20.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

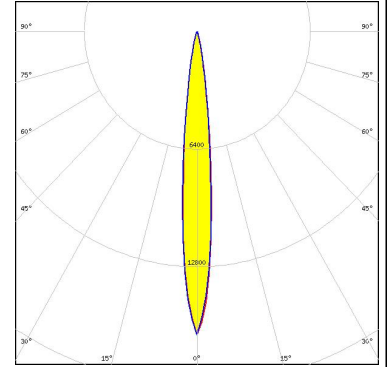
##### LUMILEDS

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:



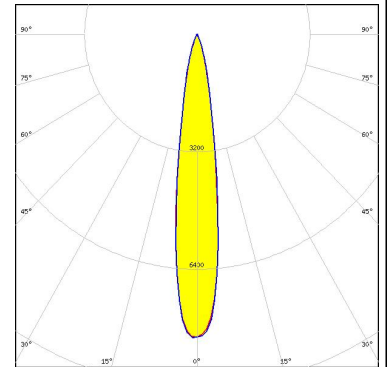
##### LUMILEDS

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:



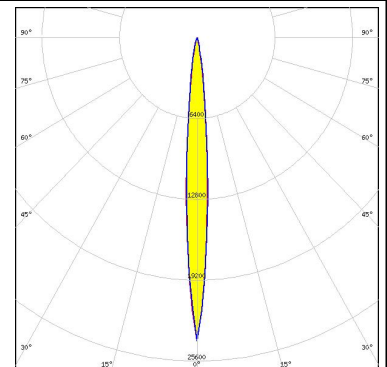
##### NICHIA

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:



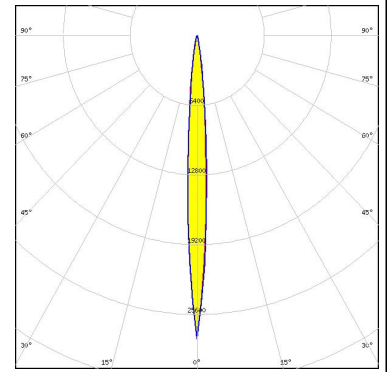


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

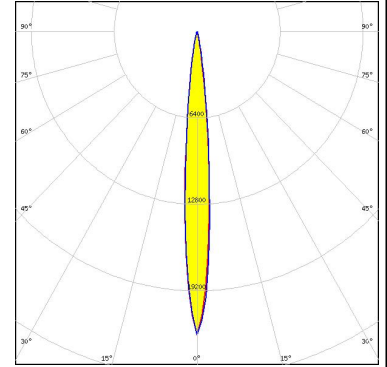
LED OSCONIQ P 3030  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 94 %  
 Peak intensity 27.8 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



##### OSRAM

Opto Semiconductors

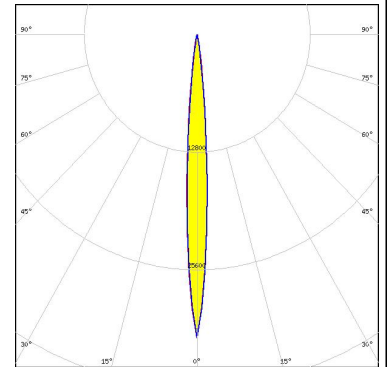
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 95 %  
 Peak intensity 22.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

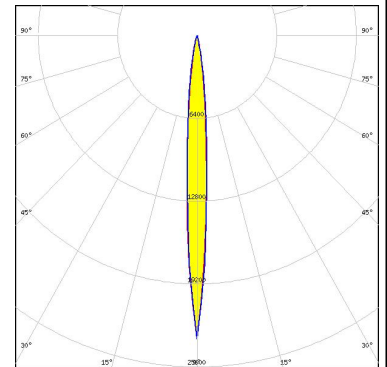
LED OSLON SSL 120  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 95 %  
 Peak intensity 33 cd/lm  
 LEDs/each optic 1  
 Light colour Amber  
 Required components:



##### OSRAM

Opto Semiconductors

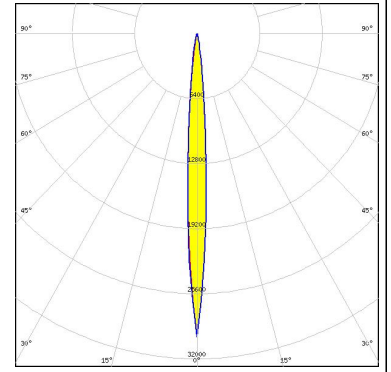
LED SFH 4715AS  
 FWHM / FWTM 8.0° / 20.0°  
 Efficiency 94 %  
 Peak intensity 23.4 cd/lm  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



### 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:

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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#### Shipping locations

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