

## G2-LXP2-RS2-P

~8.5° spot beam with light, black holder.  
Assembly with location pins and installation  
tape.

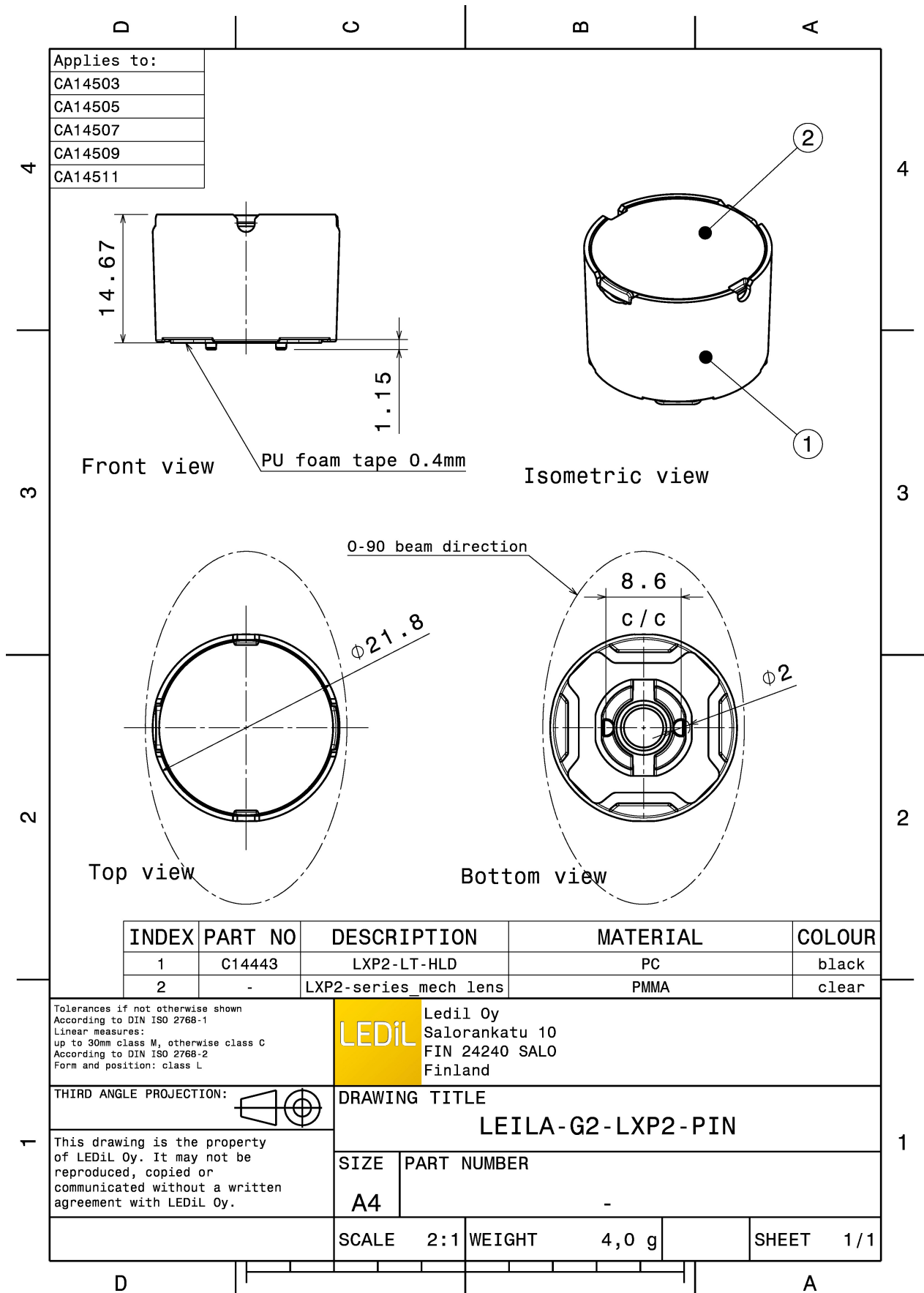
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	pin, tape
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8.1 kg
Quantity in Box	1680 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

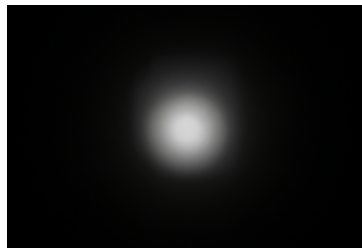
Component	Type	Material	Colour
LXP2-RS2	Single lens	PMMA	
LXP2-LT-HLD	Holder	PC	black
HEIDI-TAPE	Tape	PU tape	black



### PHOTOMETRIC DATA (MEASURED):

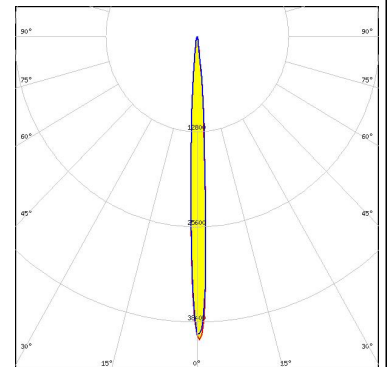
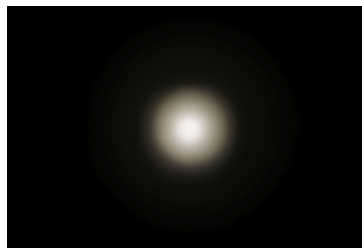
#### CREE

LED XP-E  
 FWHM 7.0°  
 Efficiency 88 %  
 Peak intensity 34.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



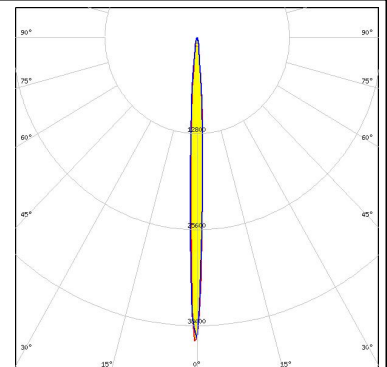
#### CREE

LED XQ-E HD  
 FWHM 5.0°  
 Efficiency 89 %  
 Peak intensity 42.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



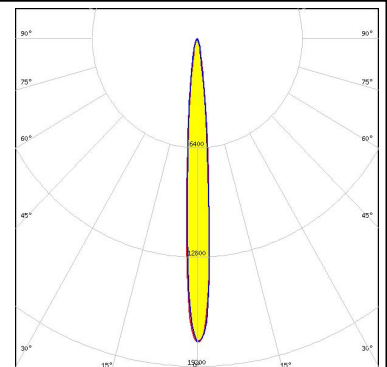
#### CREE

LED XQ-E HI  
 FWHM 5.0°  
 Efficiency 88 %  
 Peak intensity 40.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


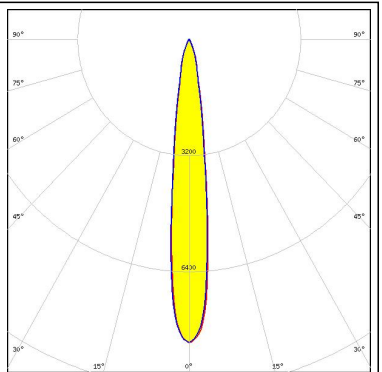

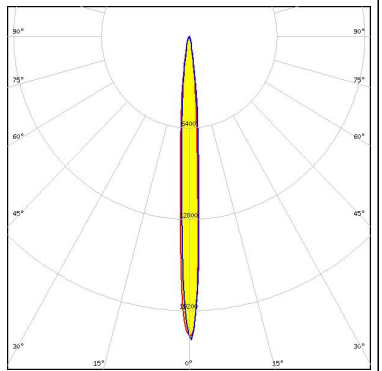

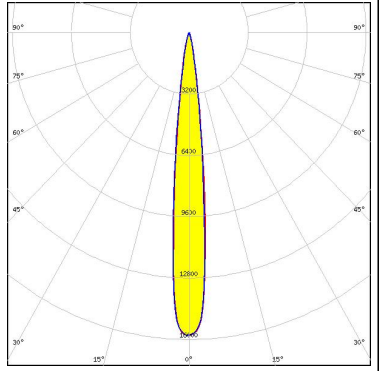

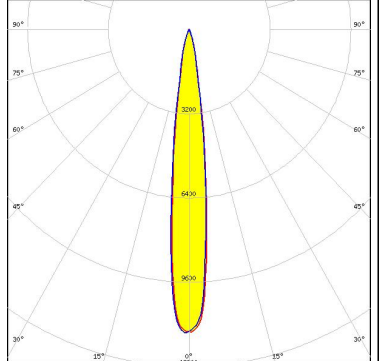


#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 9.0°  
 Efficiency 90 %  
 Peak intensity 17.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

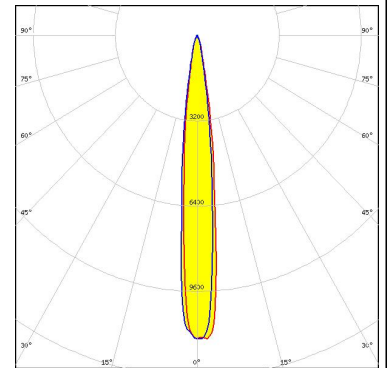
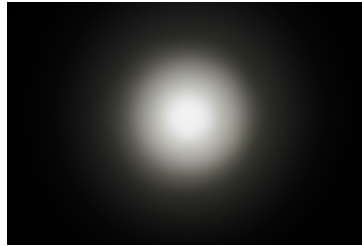
<p><b>LUMILEDS</b></p> <p>LED LUXEON V            FWHM 14.0°            Efficiency 89 %            Peak intensity 8.400 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19A            FWHM 6.8°            Efficiency 89 %            Peak intensity 21.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM 12.0°            Efficiency 93 %            Peak intensity 16.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM 13.0°            Efficiency 93 %            Peak intensity 11.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		



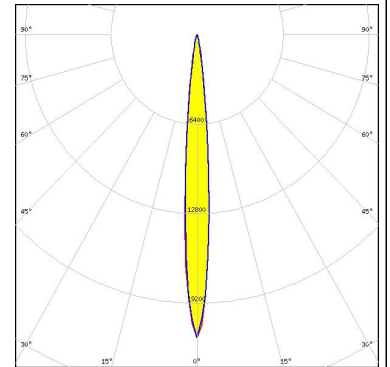
#### PHOTOMETRIC DATA (MEASURED):



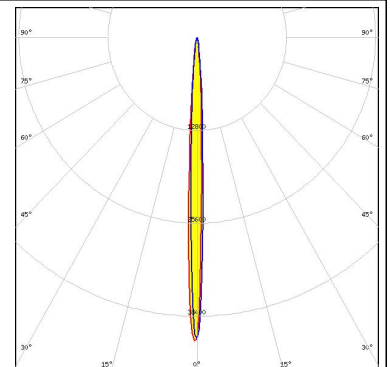
LED NVSW3x9A  
 FWHM 12.0°  
 Efficiency 89 %  
 Peak intensity 11.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



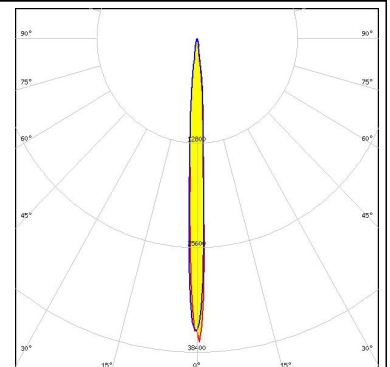
LED OSOLON Square CSSRM2/CSSRM3  
 FWHM 8.6°  
 Efficiency 92 %  
 Peak intensity 20.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSOLON SSL 150  
 FWHM 5.0°  
 Efficiency 90 %  
 Peak intensity 41.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



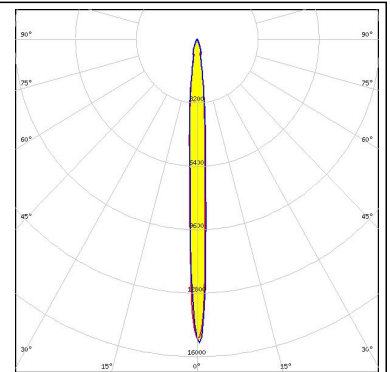
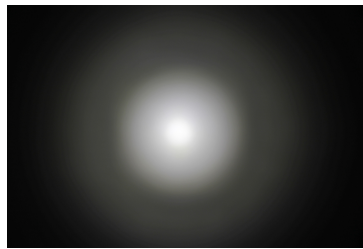
LED OSOLON SSL 80  
 FWHM 5.0°  
 Efficiency 91 %  
 Peak intensity 37.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



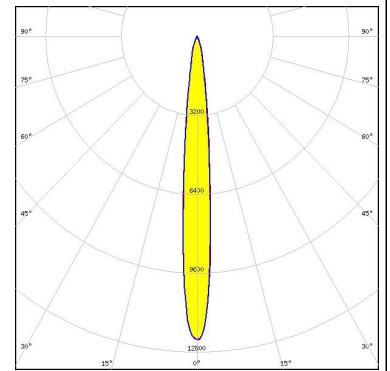
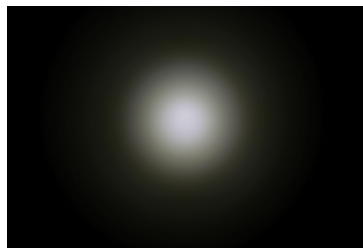
### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

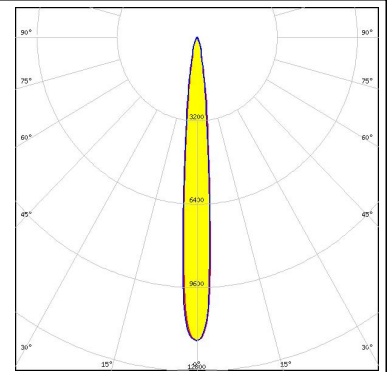
LED LH181A  
 FWHM 6.0°  
 Efficiency 80 %  
 Peak intensity 15.300 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED Z5M3  
 FWHM 10.0°  
 Efficiency 88 %  
 Peak intensity 12.300 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



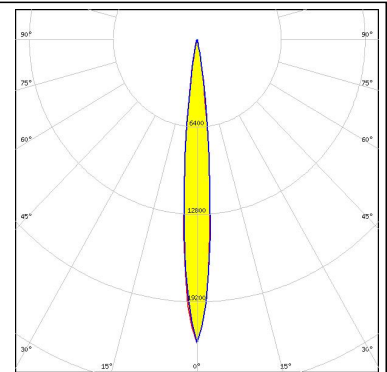
SEOUL SEMICONDUCTOR  
 LED Z8Y22P  
 FWHM 10.0°  
 Efficiency 84 %  
 Peak intensity 11.600 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



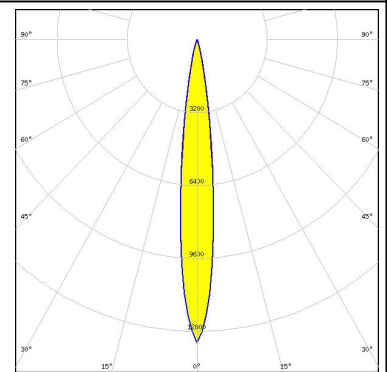
#### PHOTOMETRIC DATA (SIMULATED):



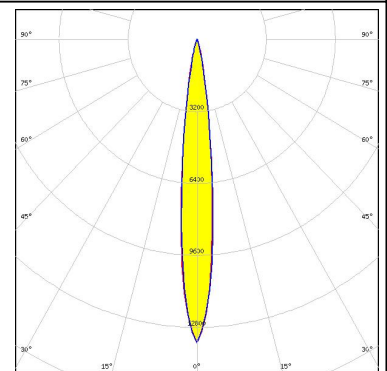
LED XP-G2  
 FWHM 10.0°  
 Efficiency 94 %  
 Peak intensity 22.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



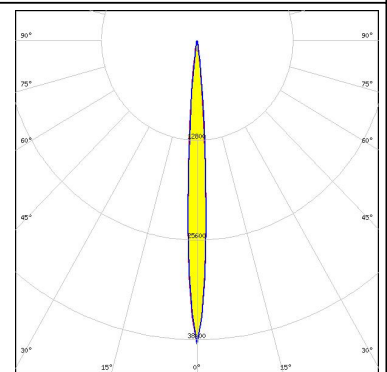
LED XP-G2 HE  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 13.309 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 13.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



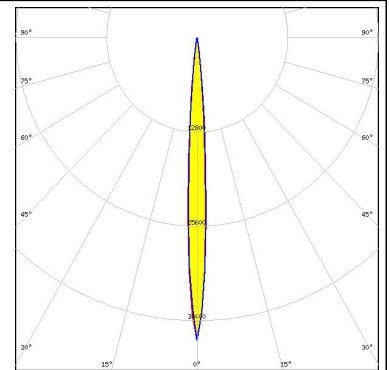
LED XQ-E HD  
 FWHM 7.1°  
 Efficiency 92 %  
 Peak intensity 38.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



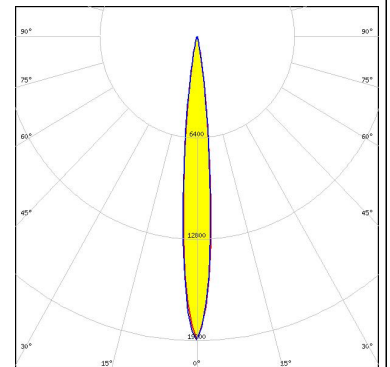
#### PHOTOMETRIC DATA (SIMULATED):



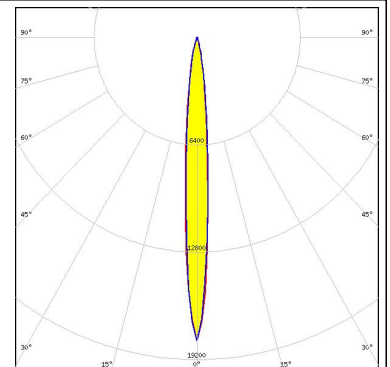
**LED** XQ-E HD  
**FWHM** 6.7°  
**Efficiency** 91 %  
**Peak intensity** 41.200 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



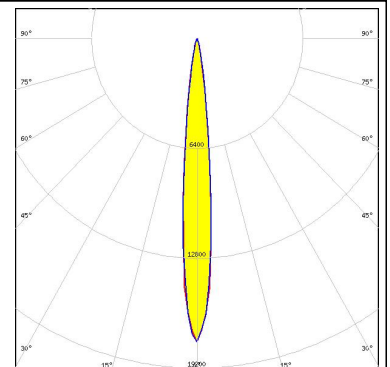
**LED** H35C1 (LEMWA33)  
**FWHM** 11.0°  
**Efficiency** 92 %  
**Peak intensity** 19.200 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LUXEON IR Domed 60  
**FWHM** 9.0°  
**Efficiency** 93 %  
**Peak intensity** cd/lm  
**LEDs/each optic** 1  
**Light colour** IR  
**Required components:**



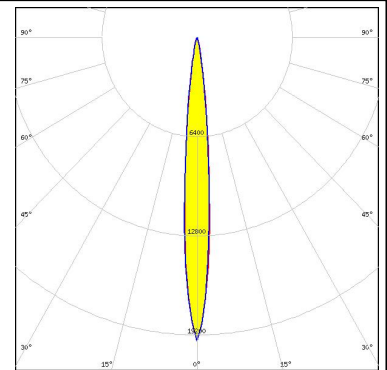
**LED** LUXEON T  
**FWHM** 11.0°  
**Efficiency** 93 %  
**Peak intensity** 17.700 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



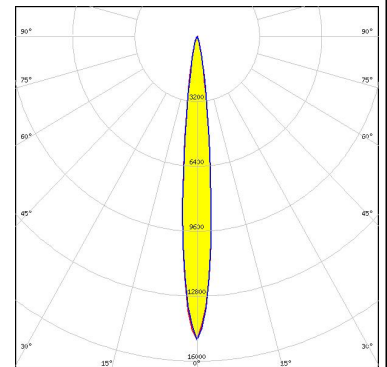
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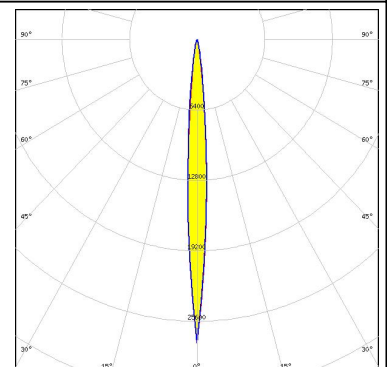
LED LUXEON TX  
 FWHM 9.7°  
 Efficiency 91 %  
 Peak intensity 19.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



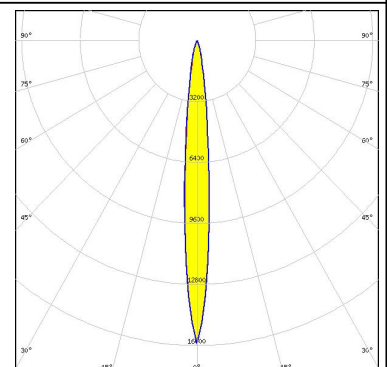
LED NVSxx19B/NVSxx19C  
 FWHM 11.0°  
 Efficiency 88 %  
 Peak intensity 15.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSCONIQ P 3030  
 FWHM 8.0°  
 Efficiency 92 %  
 Peak intensity 27.578 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



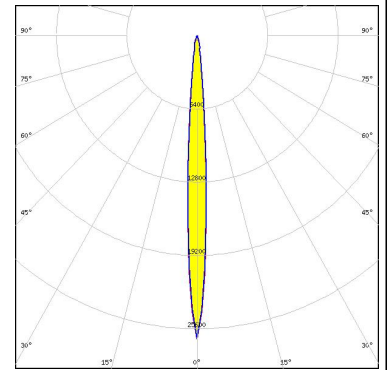
LED OSCONIQ P 3737 Flat  
 FWHM 10.0°  
 Efficiency 93 %  
 Peak intensity 15.923 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

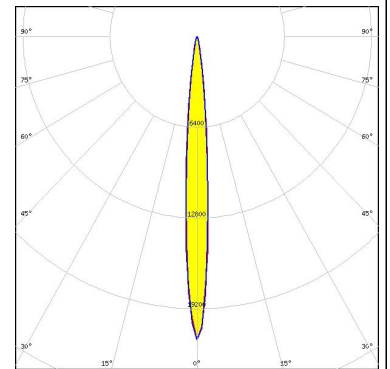
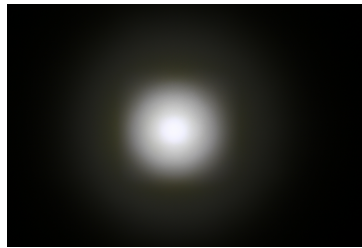
##### OSRAM Opto Semiconductors

LED OSLON Black Flat  
 FWHM 8.0°  
 Efficiency 90 %  
 Peak intensity 26.490 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



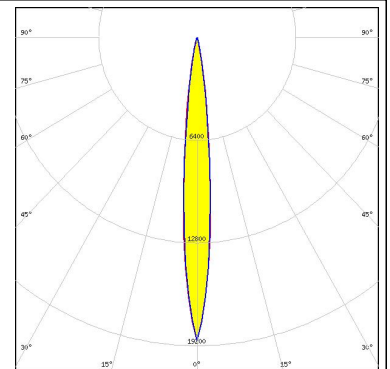
##### OSRAM Opto Semiconductors

LED OSLON Square Flat  
 FWHM 8.7°  
 Efficiency 91 %  
 Peak intensity 21.390 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



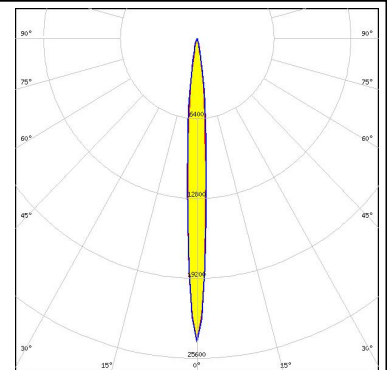
##### OSRAM Opto Semiconductors

LED OSLON Square PC  
 FWHM 11.0°  
 Efficiency 94 %  
 Peak intensity 18.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM Opto Semiconductors

LED SFH 4715AS  
 FWHM 7.0°  
 Efficiency 92 %  
 Peak intensity 24.300 cd/lm  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

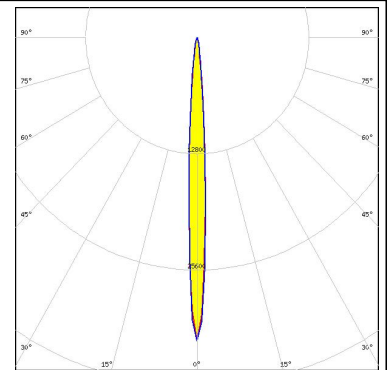




#### PHOTOMETRIC DATA (SIMULATED):

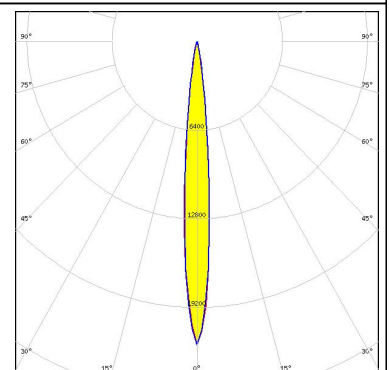
#### OSRAM

Opto Semiconductors  
 LED SFH 4716AS  
 FWHM 6.5°  
 Efficiency 92 %  
 Peak intensity 33.400 cd/lm  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



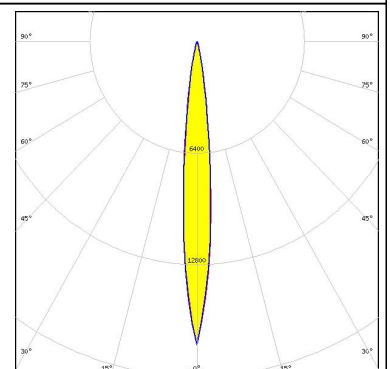
#### SAMSUNG

LED LH351A  
 FWHM 9.0°  
 Efficiency 91 %  
 Peak intensity 21.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



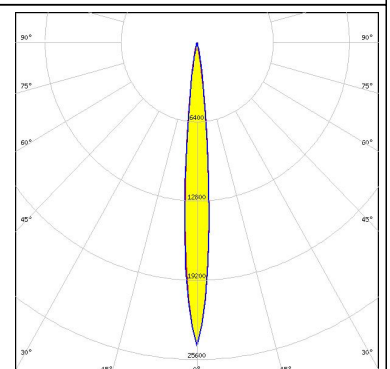
#### SAMSUNG

LED LH351B  
 FWHM 10.0°  
 Efficiency 92 %  
 Peak intensity 17.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LH351Z  
 FWHM 9.0°  
 Efficiency 93 %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR		
LED	Z5M1/Z5M2	
FWHM	10.0°	
Efficiency	93 %	
Peak intensity	19.900 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
 SEOUL SEMICONDUCTOR		
LED	Z5P	
FWHM	8.0°	
Efficiency	92 %	
Peak intensity	26.100 cd/lm	
LEDs/each optic	1	
Light colour	White	
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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### LEDiL Oy

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#### Local sales and technical support

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