

## FLARE-B

29 x 23 mm lens with ~100° x 10° oval beam.  
Assembly with installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	29.0 x 22.8 mm
Height	12.8 mm
Fastening	tape, screw
ROHS compliant	yes ⓘ

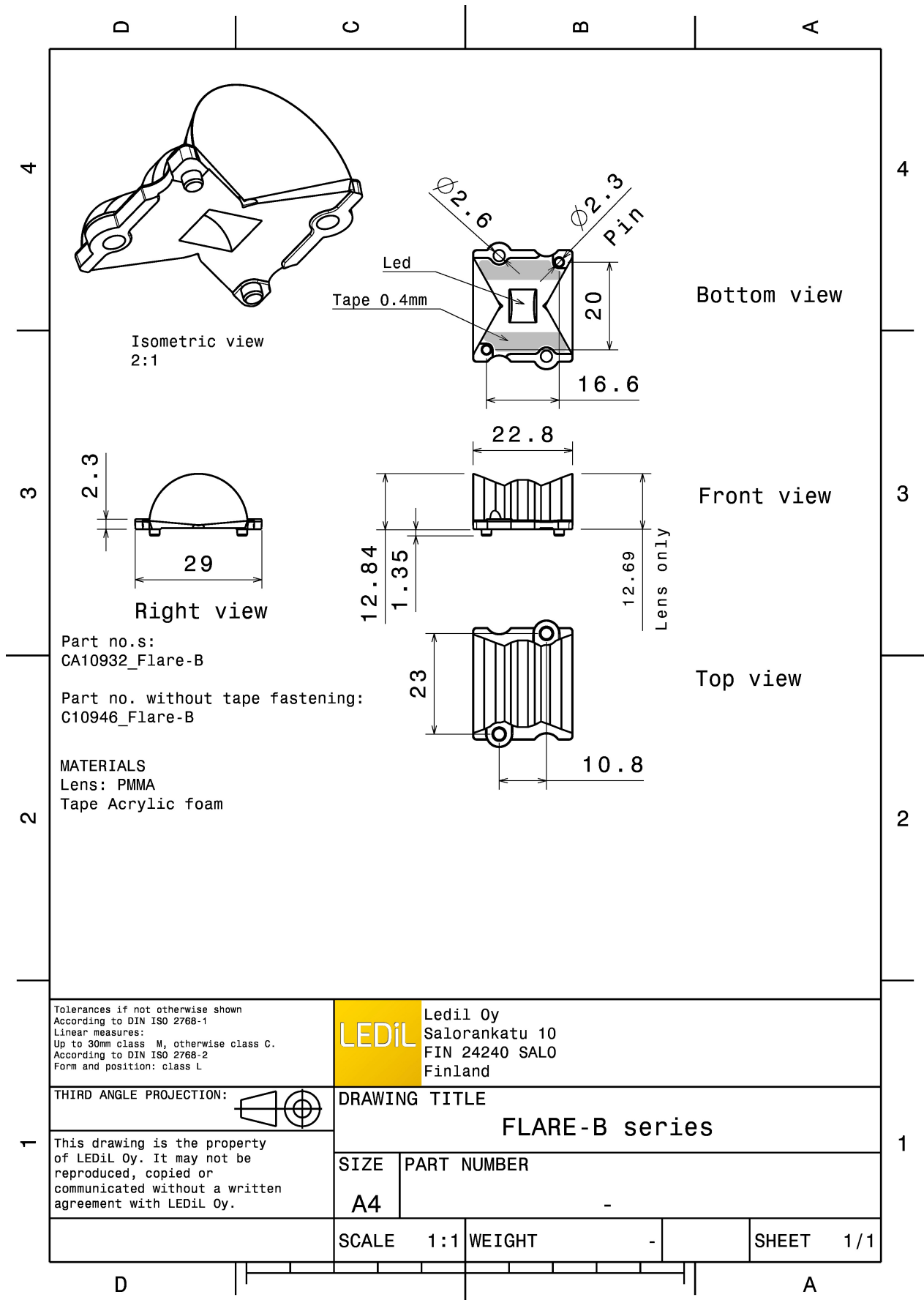


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLARE-B	Single lens	PMMA	clear	
FLARE-B-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA10932_FLARE-B	Single lens	2448	288	144	9.8
» Box size: 476 x 273 x 292 mm					

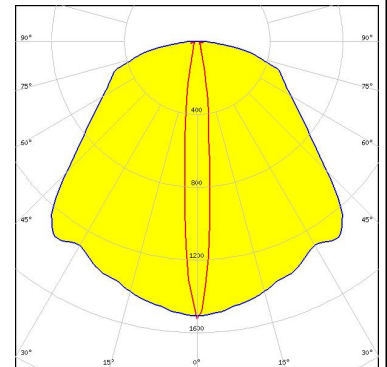


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

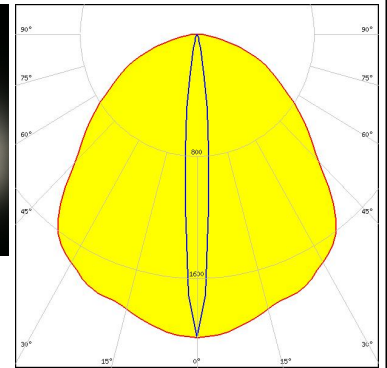
#### CREE LED

LED XB-D  
 FWHM / FWTM 10.0 + 108.0° / 30.0 + 167.0°  
 Efficiency 93 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



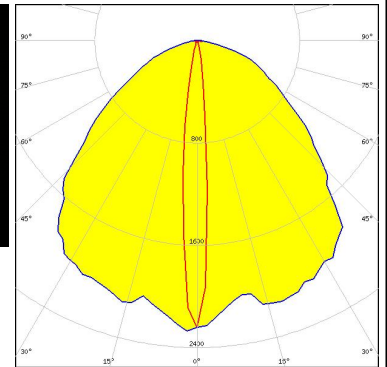
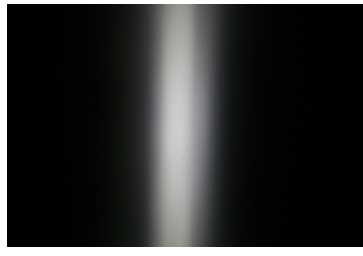
#### CREE LED

LED XP-E  
 FWHM / FWTM 102.0 + 10.0° / 154.0 + 26.0°  
 Efficiency 93 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



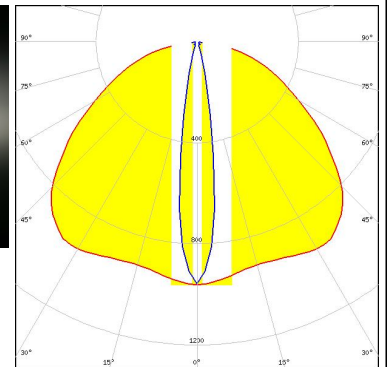
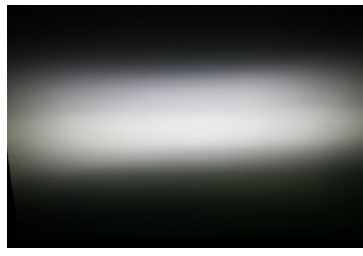
#### CREE LED

LED XP-E2  
 FWHM / FWTM 11.0 + 101.0° / 22.0 + 150.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


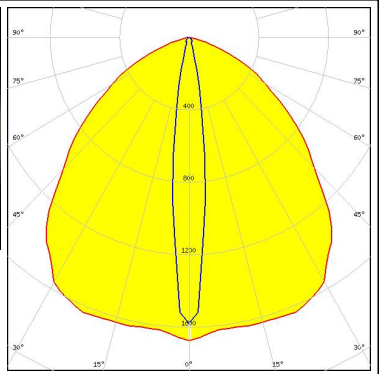
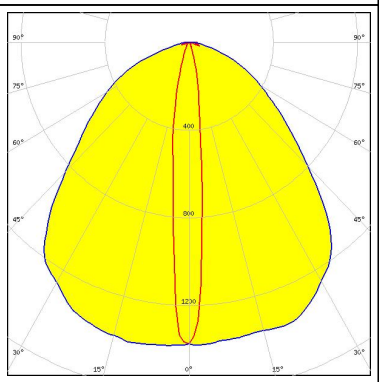

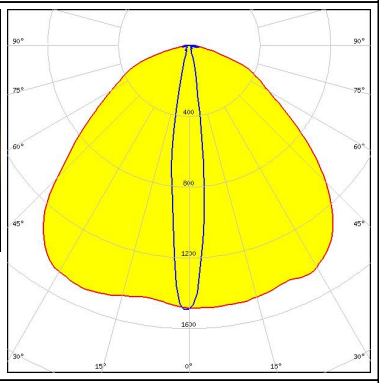
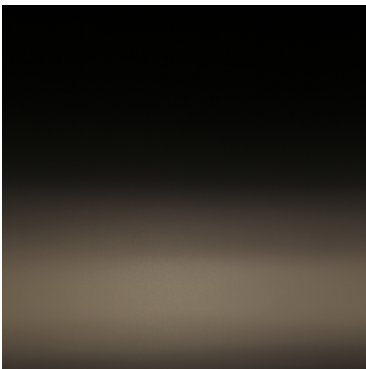
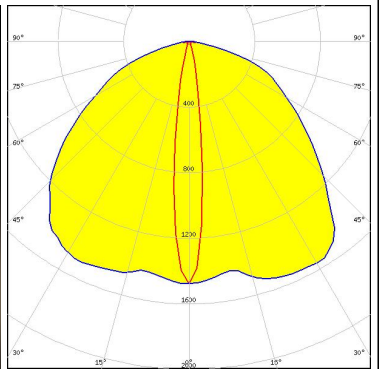


#### CREE LED

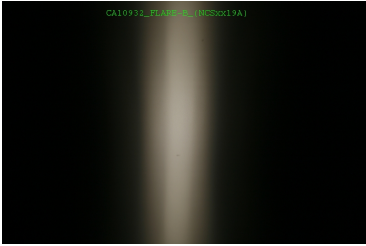

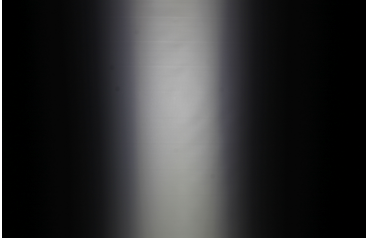
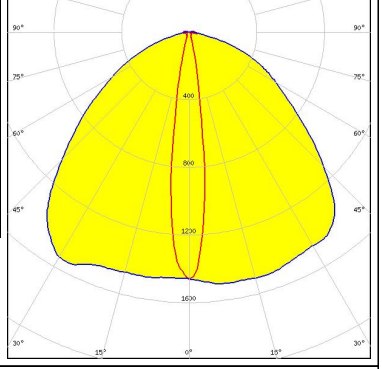
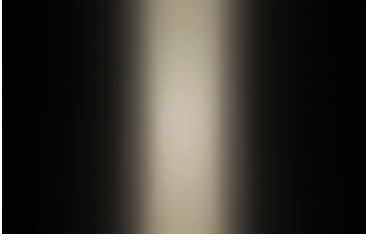
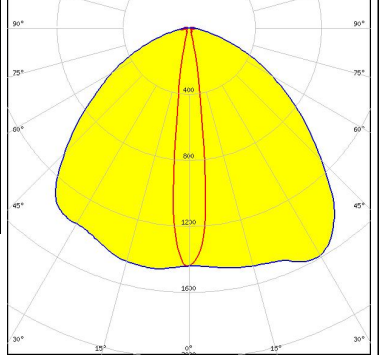
LED XP-G  
 FWHM / FWTM 118.0 + 15.0° / 160.0 + 30.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




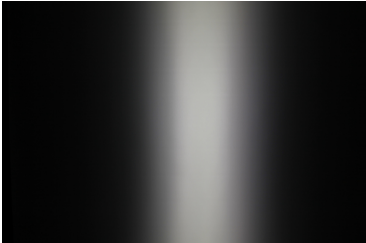
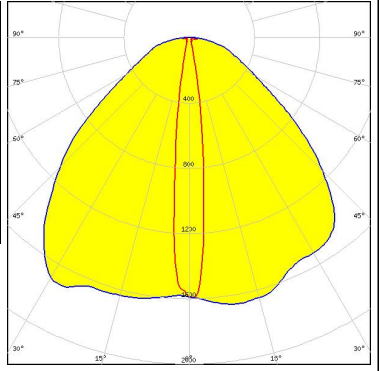

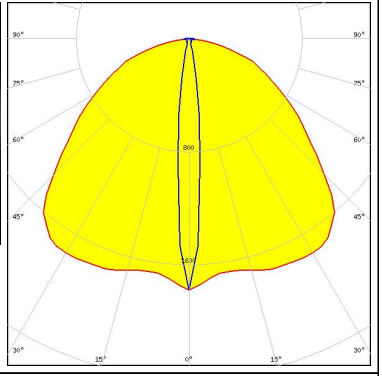
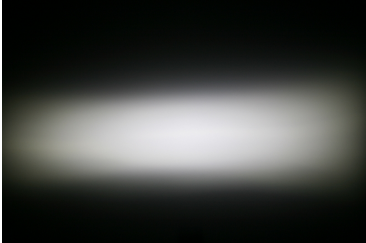
### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel</p> <p>FWHM / FWTM 101.0 + 14.0° / 142.0 + 29.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 12.0 + 104.0° / 35.0 + 154.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON T</p> <p>FWHM / FWTM 13.0 + 105.0° / 29.0 + 152.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 14.0 + 114.0° / 29.0 + 156.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		




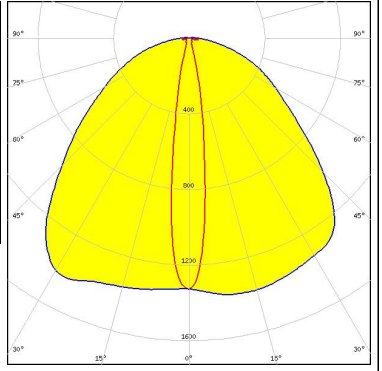

### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NCSxx19A            FWHM / FWTM 9.0 + 88.0° / 26.0 + 154.0°            Efficiency 94 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19B            FWHM / FWTM 11.0 + 103.0° / 28.0 + 160.0°            Efficiency 94 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 15.0 + 108.0° / 28.0 + 150.0°            Efficiency 94 %            Peak intensity 1.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 14.0 + 110.0° / 27.0 + 151.0°            Efficiency 94 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM / FWTM 12.0 + 104.0° / 33.0 + 162.0°            Efficiency %            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM / FWTM 13.0 + 104.0° / 26.0 + 157.0°            Efficiency 94 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 150            FWHM / FWTM 9.0 + 117.0°            Efficiency 93 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	<p>FLARE-B SSL150</p> 	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 80            FWHM / FWTM 83.0 + 11.0° / 144.0 + 24.0°            Efficiency 93 %            Peak intensity 2.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

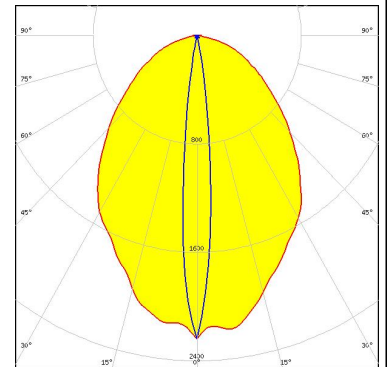
### PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5            FWHM / FWTM 12.0 + 96.0°            Efficiency %            LEDs/each optic 1            Light colour White            Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3            FWHM / FWTM 15.0 + 108.0° / 30.0 + 161.0°            Efficiency 94 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	 
<p><b>SHARP</b></p> <p>LED Double Dome (GM2BB)            FWHM / FWTM 104.0 + 10.0°            Efficiency %            LEDs/each optic 1            Light colour White            Required components:</p>	

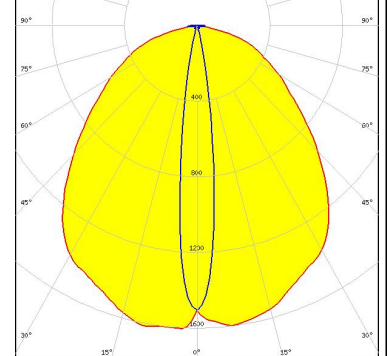
### PHOTOMETRIC DATA (SIMULATED):



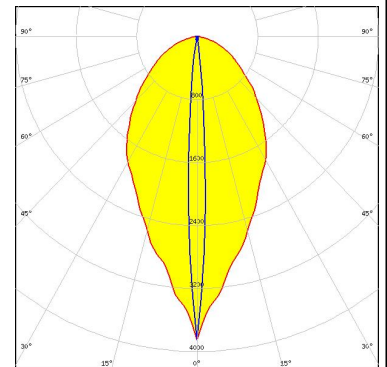
LED XP-G2  
 FWHM / FWTM 11.0 + 83.0° / 21.0 + 146.0°  
 Efficiency 94 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



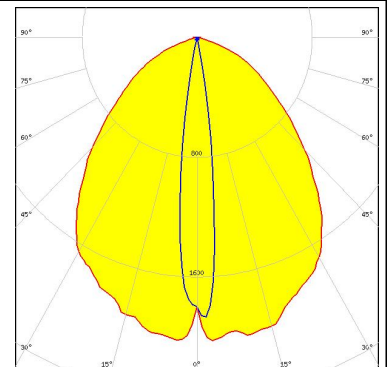
LED XP-G3  
 FWHM / FWTM 99.0 + 14.0° / 153.0 + 26.0°  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CZ  
 FWHM / FWTM 6.0 + 54.0° / 15.0 + 134.0°  
 Efficiency 97 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



LED LUXEON H50-2  
 FWHM / FWTM 13.0 + 90.0° / 22.0 + 140.0°  
 Efficiency 94 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





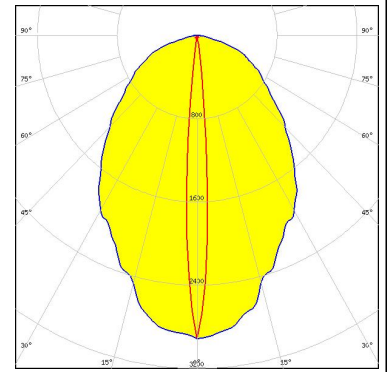
### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix (white)</p> <p>FWHM / FWTM 6.0 + 52.0° / 14.0 + 134.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 8.0 + 84.0° / 16.0 + 142.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 2.8 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 OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM 94.0 + 16.0° / 150.0 + 28.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 1.6 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 OSOLON Signal</p> <p>FWHM / FWTM 8.0 + 80.0° / 14.0 + 148.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

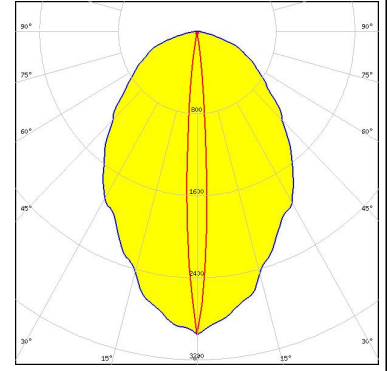
#### OSRAM Opto Semiconductors

LED OSLON Signal  
FWHM / FWTM 8.0 + 81.0° / 15.0 + 148.0°  
Efficiency 97 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM Opto Semiconductors

LED OSLON Signal  
FWHM / FWTM 8.0 + 79.0° / 16.0 + 148.0°  
Efficiency 97 %  
Peak intensity 3 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:

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