

## STRADELLA-IP-28-HB-W-PC

~90° wide beam. Variant made from PC.

### SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

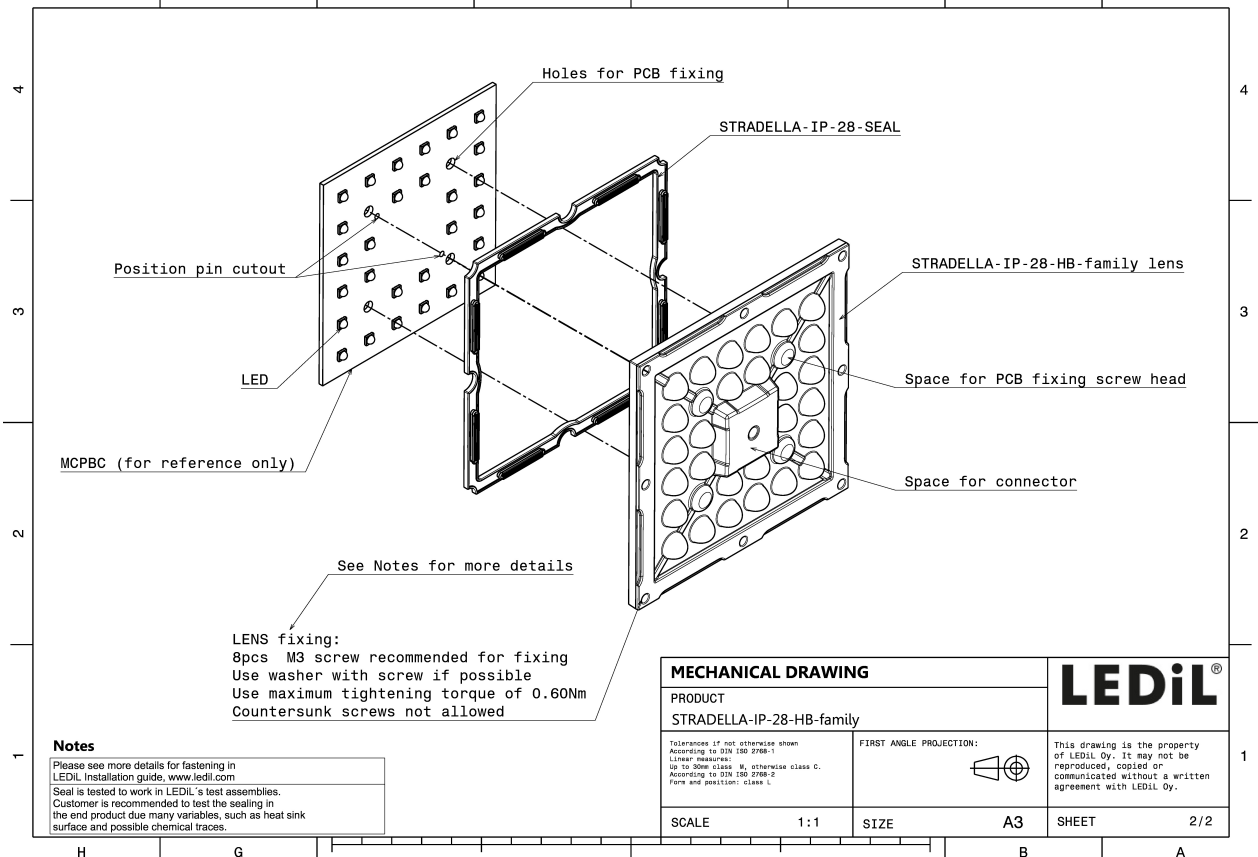
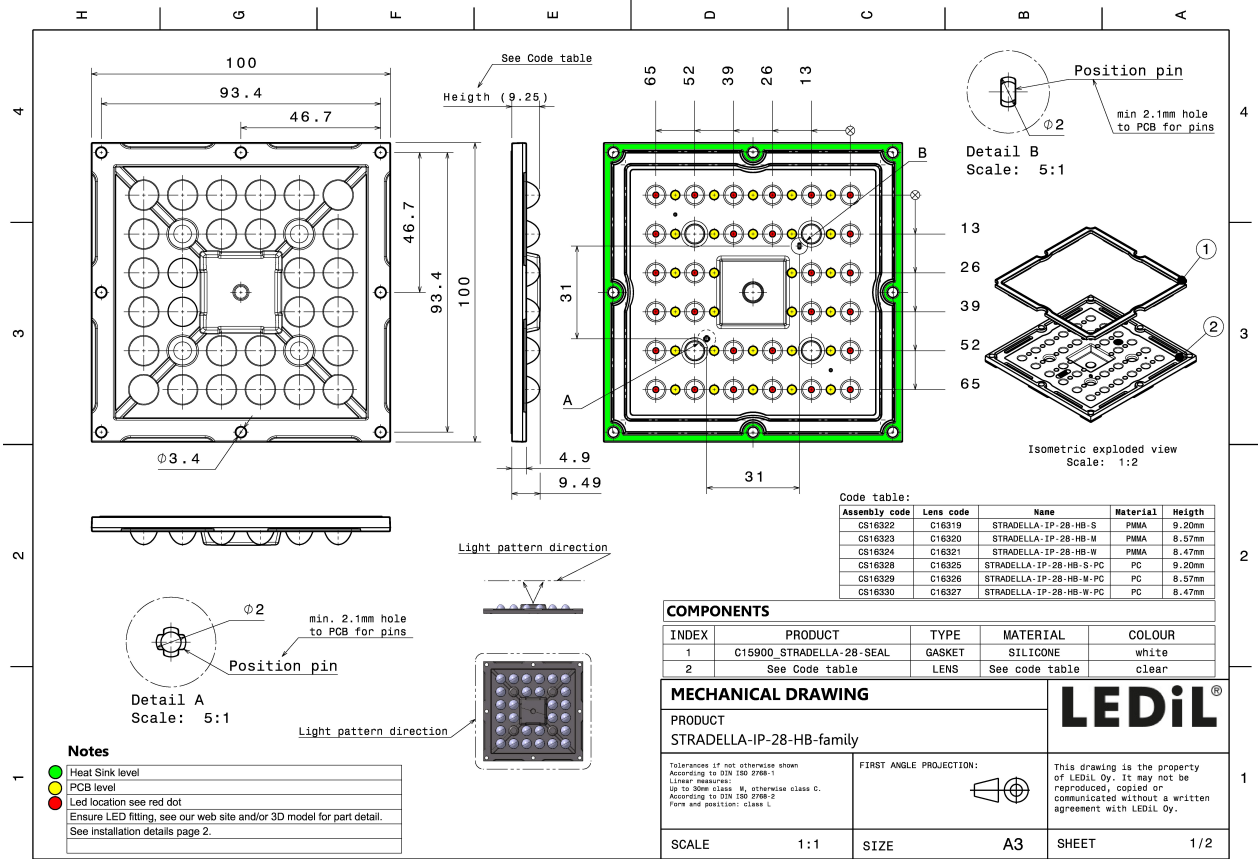
### MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-IP-28-HB-W-PC	Multi-lens	PC	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	





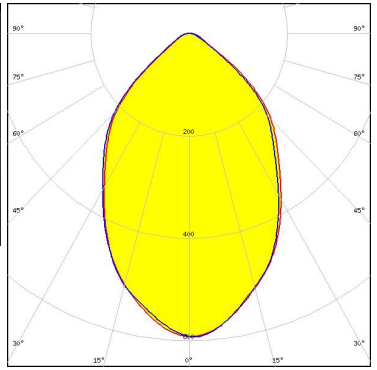


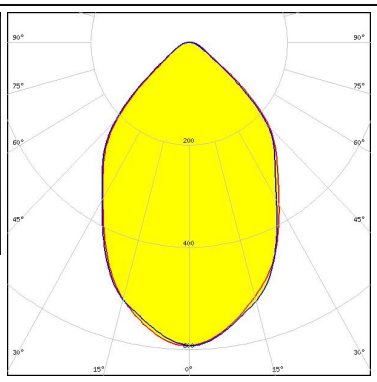

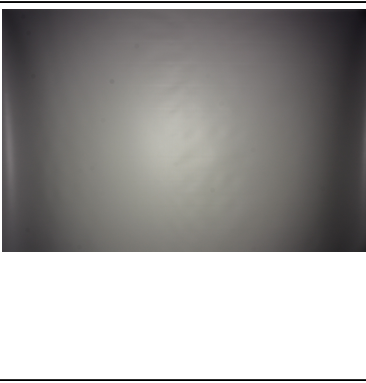
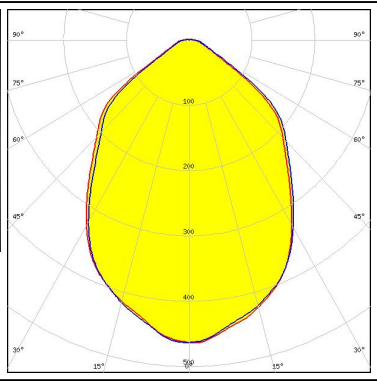


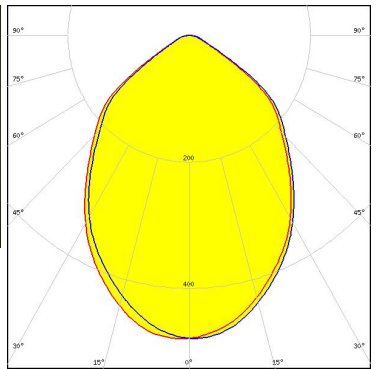
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16330_STRADELLA-IP-28-HB-W-PC » Box size: 476 x 273 x 247 mm	Multi-lens	156	78	78	5.9


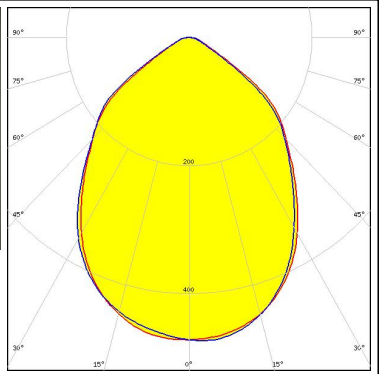

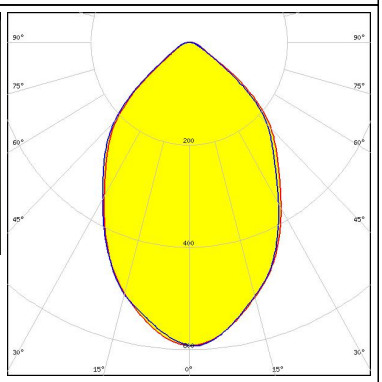

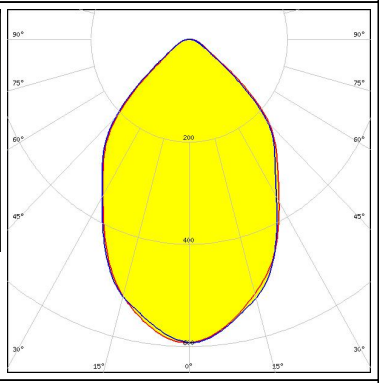

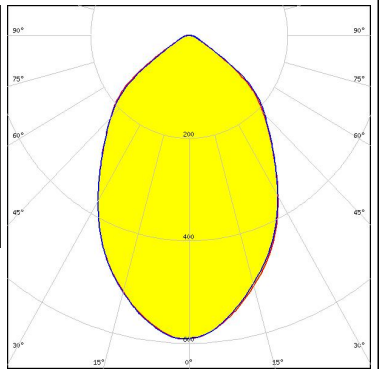


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

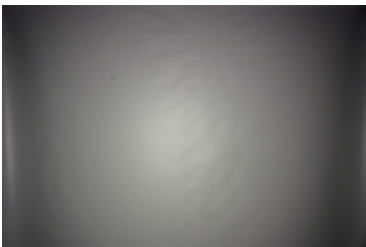
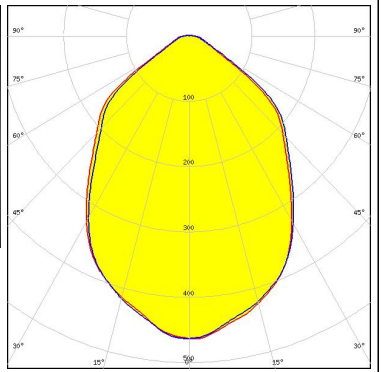

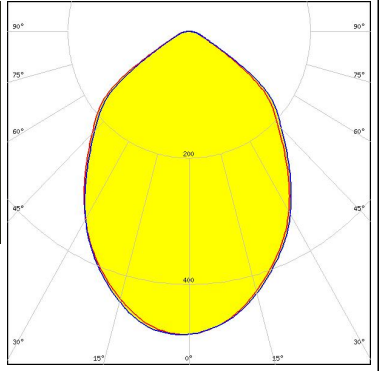
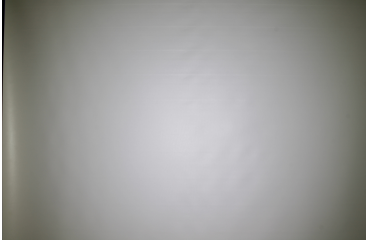
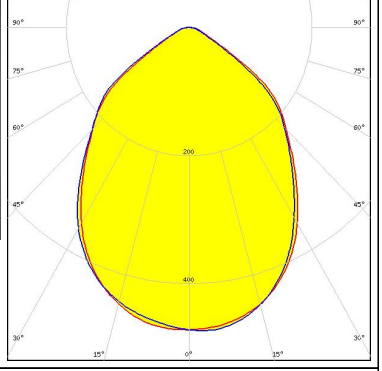
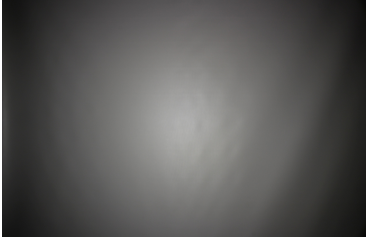
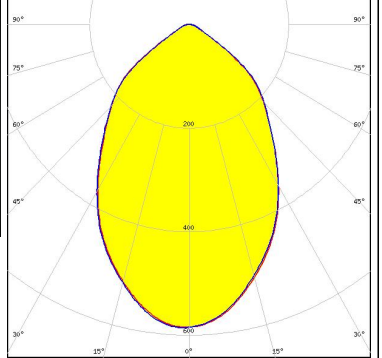
 <p>LED HiQLED STR28 CR JE2835 4x7 xxx            FWHM / FWTM 72.0° / 115.0°            Efficiency 90 %            Peak intensity 0.6 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
 <p>LED HiQLED STR28 CR JK3030 4x7 xxx            FWHM / FWTM 73.0° / 113.0°            Efficiency 89 %            Peak intensity 0.6 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
 <p>LED QUICK FLUX STR28 XD2x14 xxx G8            FWHM / FWTM 82.0° / 126.0°            Efficiency 88 %            Peak intensity 0.5 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
 <p>LED QUICK FLUX STR28 XT2x14 xxx G5            FWHM / FWTM 83.0° / 126.0°            Efficiency 90 %            Peak intensity 0.5 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

<p><b>COMET ELECTRONICS</b></p> <p>LED QUICK FLUX STR28 XT2x14 xxx G5            FWHM / FWTM 78.0° / 128.0°            Efficiency 92 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE LED</b></p> <p>LED J Series 2835            FWHM / FWTM 72.0° / 115.0°            Efficiency 90 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE LED</b></p> <p>LED J Series 3030            FWHM / FWTM 73.0° / 113.0°            Efficiency 89 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE LED</b></p> <p>LED J Series 3030            FWHM / FWTM 73.0° / 119.0°            Efficiency 93 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		



#### OPTICAL RESULTS (MEASURED):

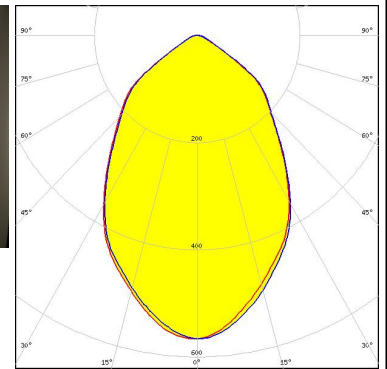
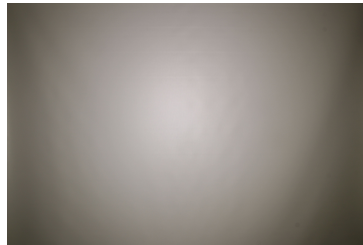
<p><b>CREE</b> → LED</p> <p>LED: XD16            FWHM / FWTM: 82.0° / 126.0°            Efficiency: 88 %            Peak intensity: 0.5 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XP-G3            FWHM / FWTM: 83.0° / 126.0°            Efficiency: 90 %            Peak intensity: 0.5 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XT-E            FWHM / FWTM: 86.0° / 128.0°            Efficiency: 92 %            Peak intensity: 0.5 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ S 3030 (QSLR31)            FWHM / FWTM: 73.0° / 119.0°            Efficiency: 92 %            Peak intensity: 0.6 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

#### OSRAM

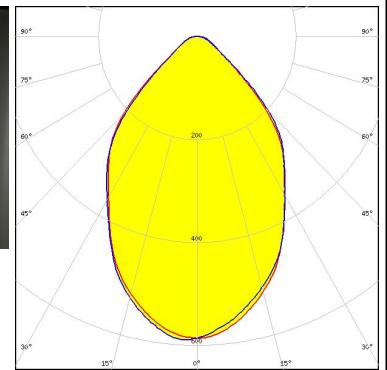
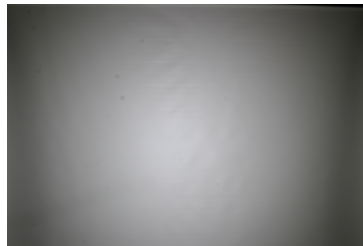
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 73.0° / 121.0°  
 Efficiency 91 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



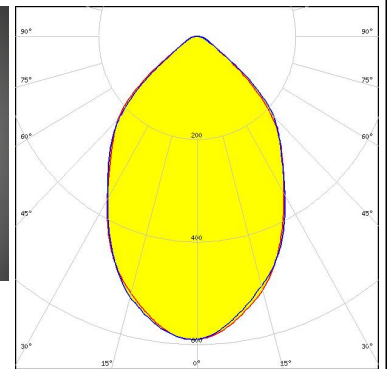
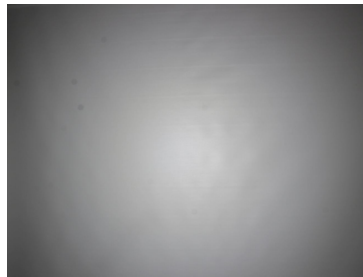
#### SAMSUNG

LED HiLOM SC28 (LH181B)  
 FWHM / FWTM 74.0° / 113.0°  
 Efficiency 88 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

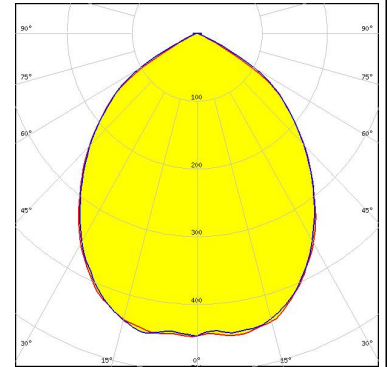
LED HiLOM SM28 (LM301B)  
 FWHM / FWTM 73.0° / 115.0°  
 Efficiency 90 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



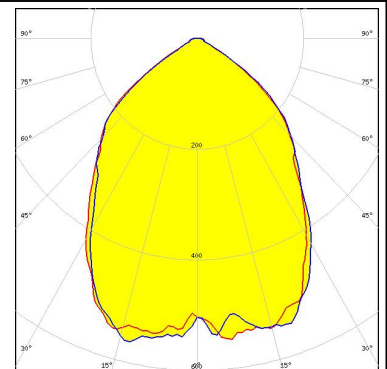
#### OPTICAL RESULTS (SIMULATED):



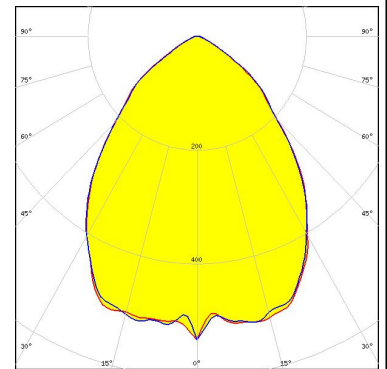
**LED** XP-G2 HE  
**FWHM / FWTM** 92.0° / 126.0°  
**Efficiency** 91 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



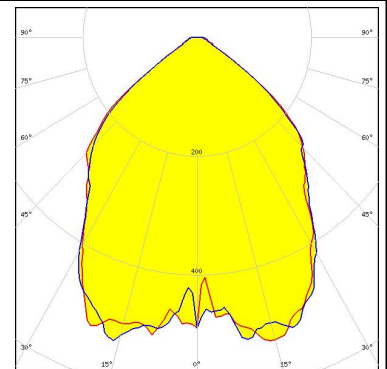
**LED** LUXEON 3030 2D (Round LES)  
**FWHM / FWTM** 76.0° / 118.0°  
**Efficiency** 89 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



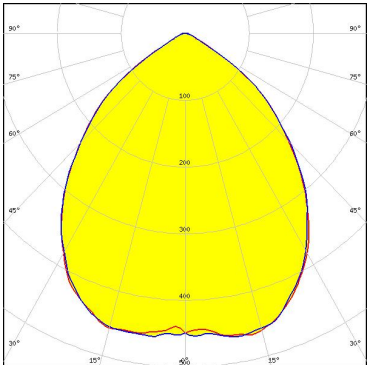
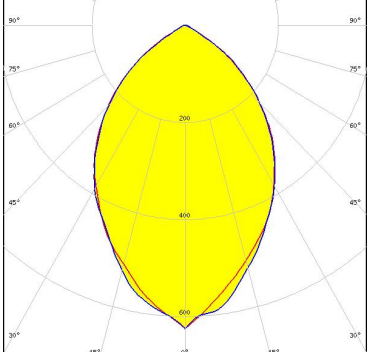
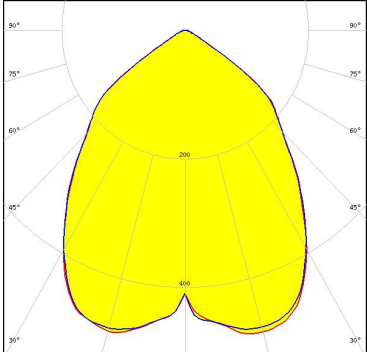
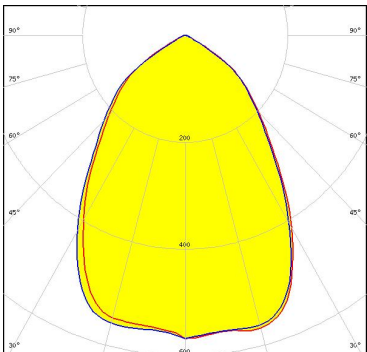
**LED** NF2x757G  
**FWHM / FWTM** 82.0° / 122.0°  
**Efficiency** 94 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** NVSxE21A  
**FWHM / FWTM** 83.0° / 118.0°  
**Efficiency** 89 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



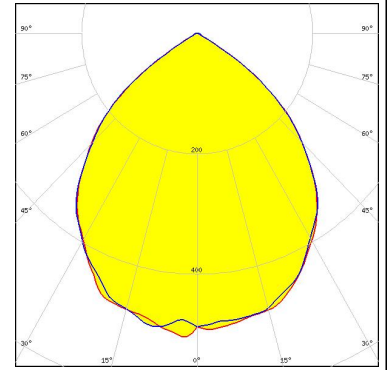
#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM / FWTM: 90.0° / 122.0°            Efficiency: 91 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: Duris S8            FWHM / FWTM: 74.0° / 118.0°            Efficiency: 92 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ C 2424            FWHM / FWTM: 86.0° / 120.0°            Efficiency: 92 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 3030            FWHM / FWTM: 76.0° / 120.0°            Efficiency: 95 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

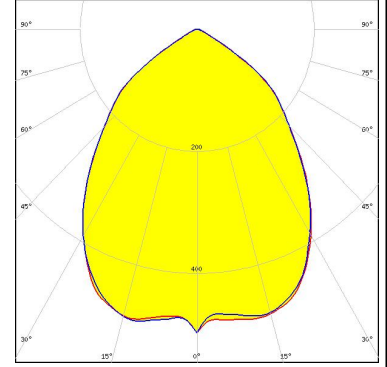
#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

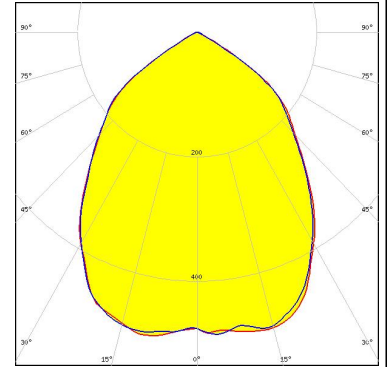
LED LH351C  
 FWHM / FWTM 92.0° / 118.0°  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



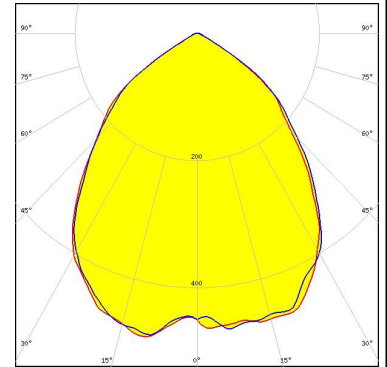
SEIOL SEMICONDUCTOR  
 LED SEOUL 3030  
 FWHM / FWTM 85.0° / 121.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEIOL SEMICONDUCTOR  
 LED SEOUL DC 3030C  
 FWHM / FWTM 86.0° / 122.0°  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEIOL SEMICONDUCTOR  
 LED Z5M1/Z5M2  
 FWHM / FWTM 88.0° / 121.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### OPTICAL RESULTS (SIMULATED):



#### 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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#### Shipping locations

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