

## STRADELLA-16-HB-O

Oval beam for high bay aisles

### SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	8.3 mm
ROHS compliant	yes ⓘ

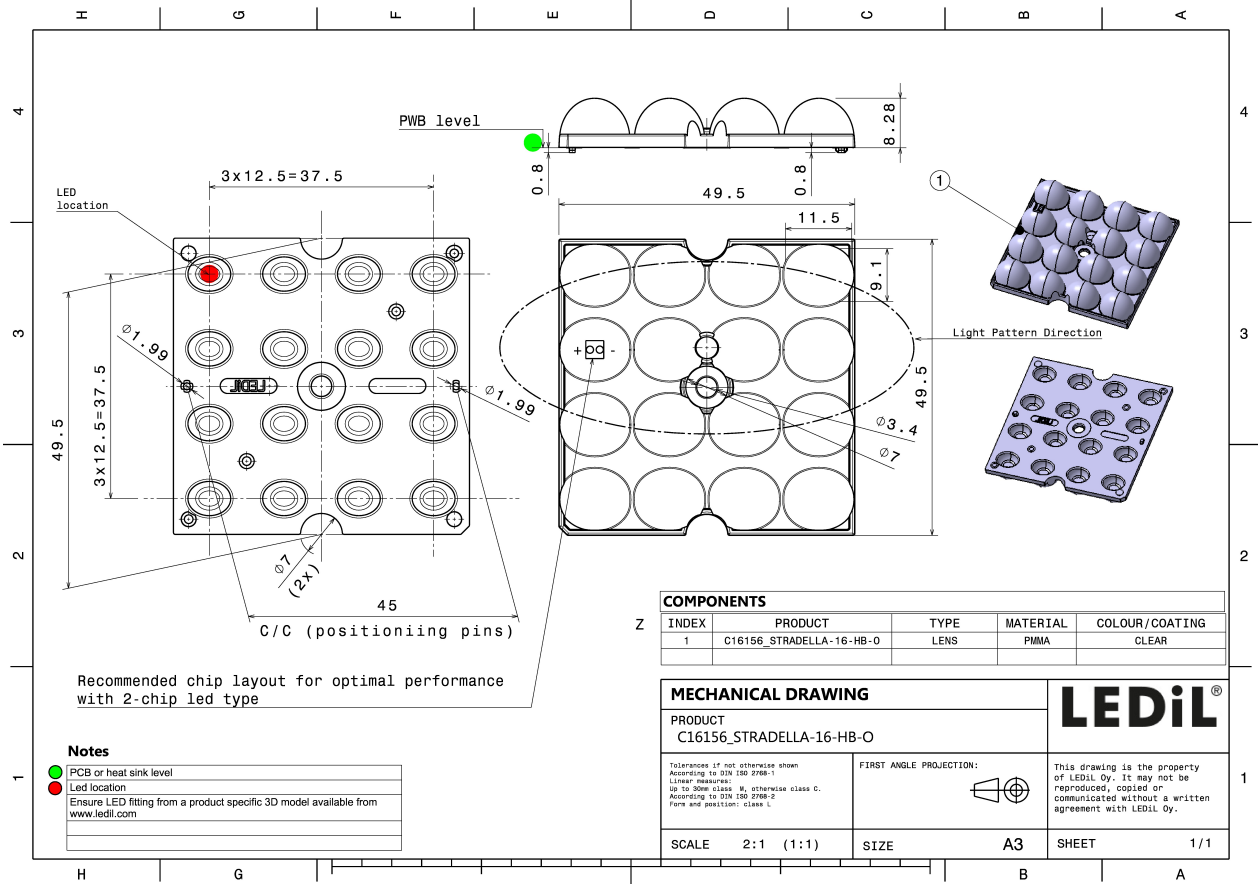
### MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-O	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:


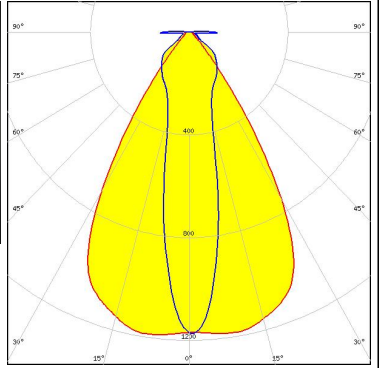
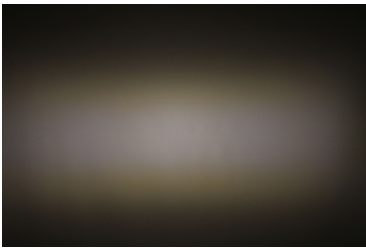
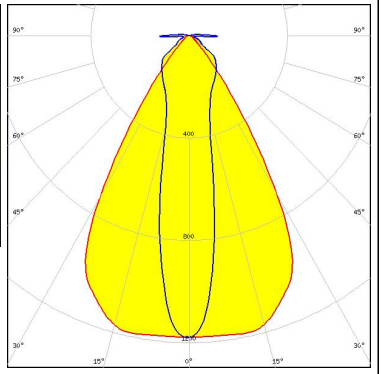
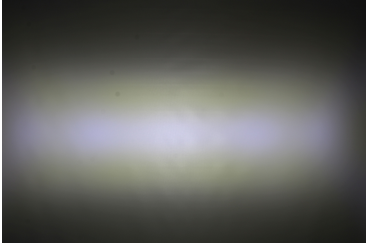
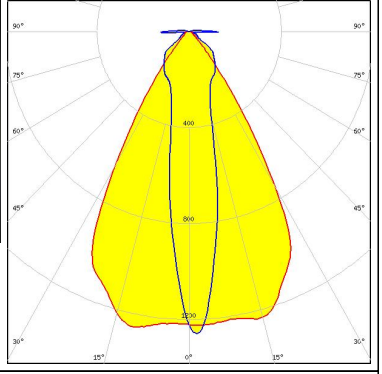
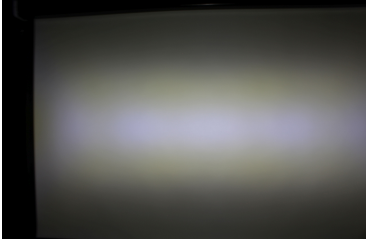
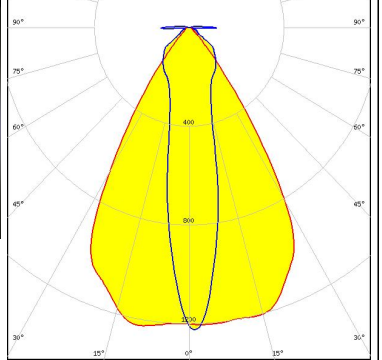
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16156_STRADELLA-16-HB-O » Box size: 476 x 273 x 292 mm	800		160	8.3





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

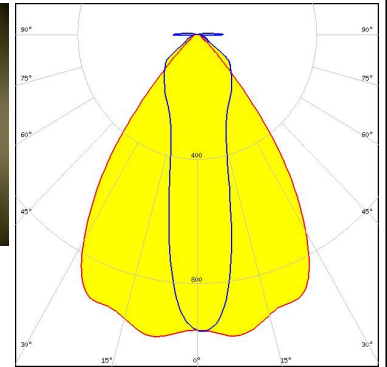
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED J Series 3030</p> <p>FWHM / FWTM 64.0 + 21.0° / 85.0 + 140.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>ELECTRIO</b></p> <p>LED EHP-223.5x50-1604-xx-70-LS30-06-NTC</p> <p>FWHM / FWTM 64.0 + 20.0° / 85.0 + 140.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 1.2 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 NFSx757D</p> <p>FWHM / FWTM 62.0 + 19.0° / 83.0 + 102.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.3 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 NFSx757G</p> <p>FWHM / FWTM 63.0 + 20.0° / 84.0 + 103.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

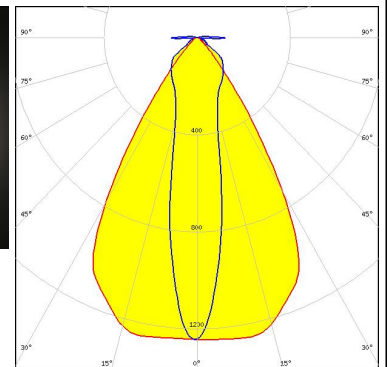
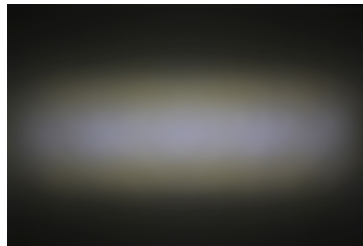
#### OPTICAL RESULTS (MEASURED):



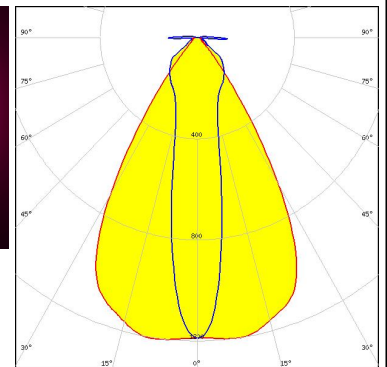
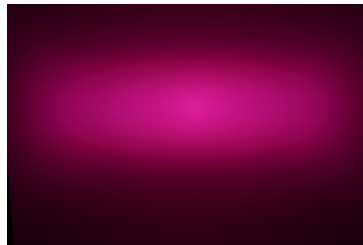
LED NVSW319B  
 FWHM / FWTM 72.0 + 24.0° / 93.0 + 109.0°  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



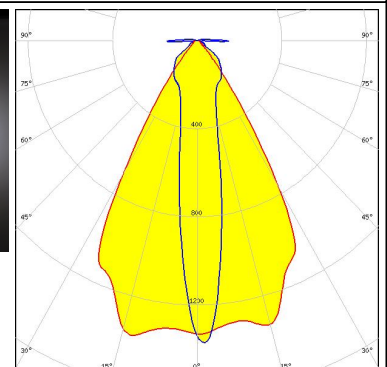
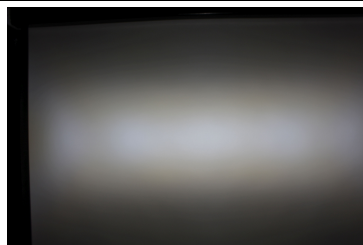
LED PrevaLED Brick MP 4x16  
 FWHM / FWTM 64.0 + 20.0° / 85.0 + 103.0°  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S5 (2 chip)  
 FWHM / FWTM 63.0 + 20.0° / 84.0 + 177.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour Purple  
 Required components:



LED Duris S5 (Single chip)  
 FWHM / FWTM 62.0 + 17.0° / 81.0 + 178.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



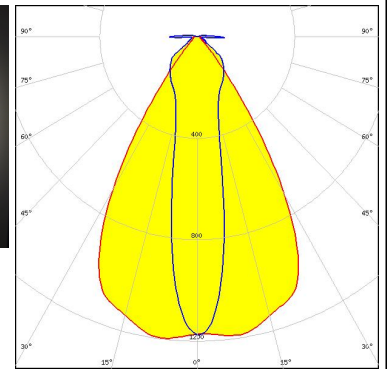
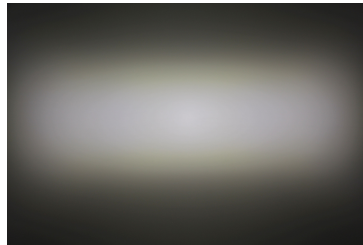


#### OPTICAL RESULTS (MEASURED):

#### OSRAM

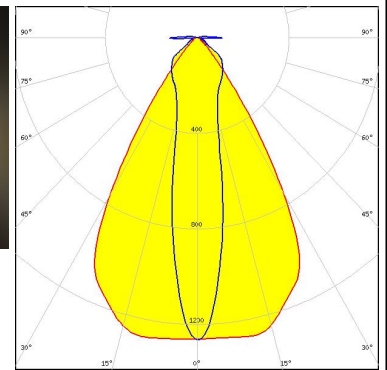
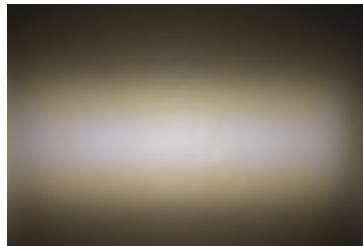
Opto Semiconductors

LED OSCONIQ S 3030 (QSLR31)  
 FWHM / FWTM 64.0 + 21.0° / 84.0 + 103.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



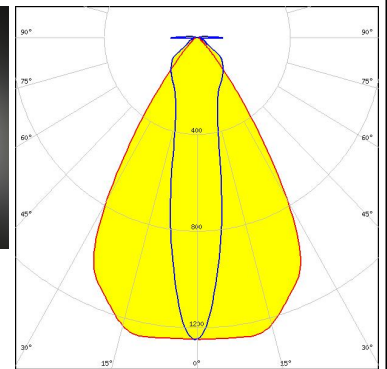
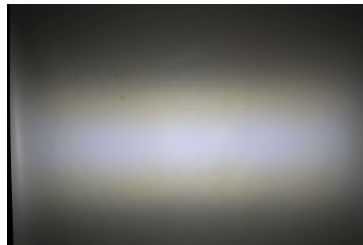
#### PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4  
 FWHM / FWTM 63.0 + 20.0° / 84.0 + 103.0°  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



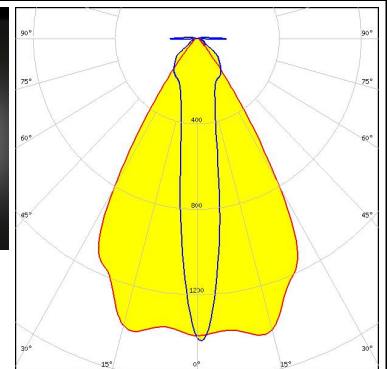
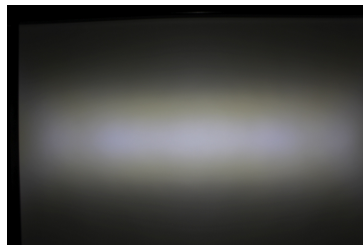
#### SAMSUNG

LED HiLOM RM64 (LM301B)  
 FWHM / FWTM 64.0 + 20.0° / 85.0 + 103.0°  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


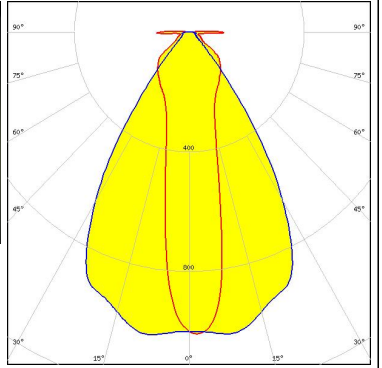
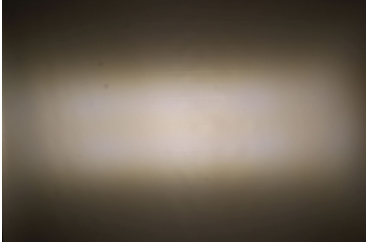
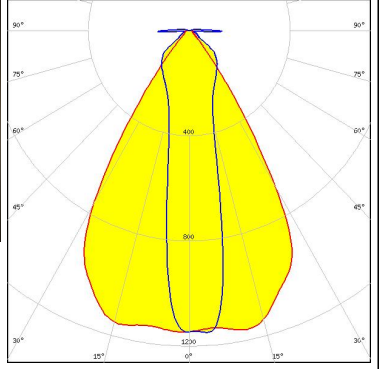
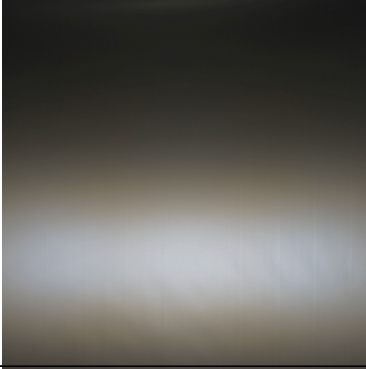
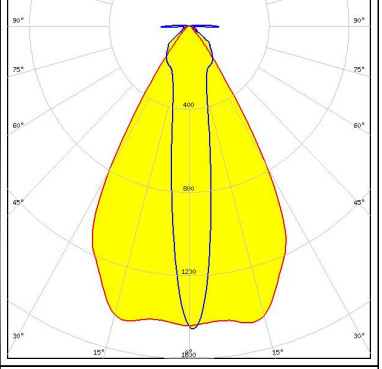

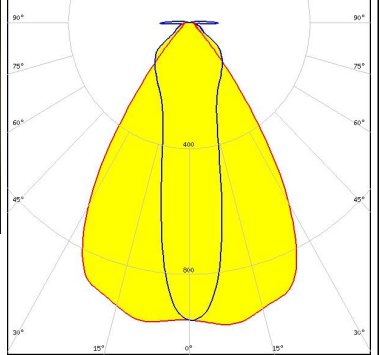


#### SAMSUNG

LED LM231 A/B  
 FWHM / FWTM 62.0 + 15.0° / 80.0 + 136.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



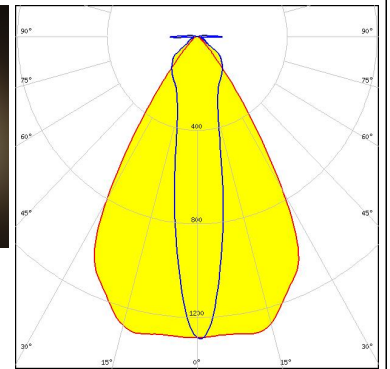
#### OPTICAL RESULTS (MEASURED):

<p><b>SCIOLUX</b></p> <p>LED XLE-S44XTEHE (XT-E HE)</p> <p>FWHM / FWTM 66.0 + 21.0° / 90.0 + 181.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SEOUL 3030</p> <p>FWHM / FWTM 64.0 + 20.0° / 83.0 + 179.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SEOUL DC 3030</p> <p>FWHM / FWTM 61.0 + 16.0° / 79.0 + 135.0°</p> <p>Efficiency 94 %</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>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M3</p> <p>FWHM / FWTM 67.0 + 24.0° / 91.0 + 179.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

#### TRIDONIC


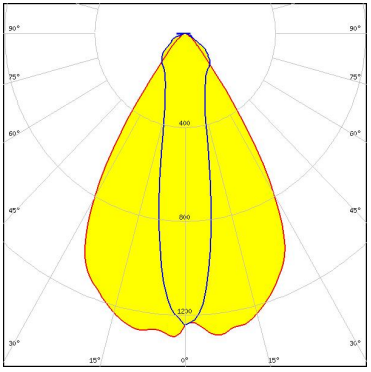

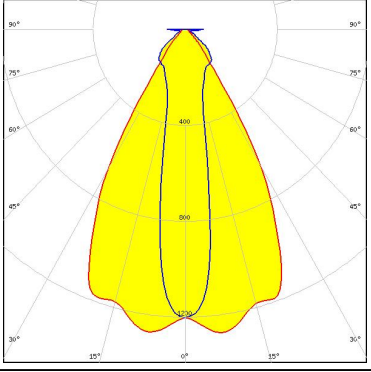

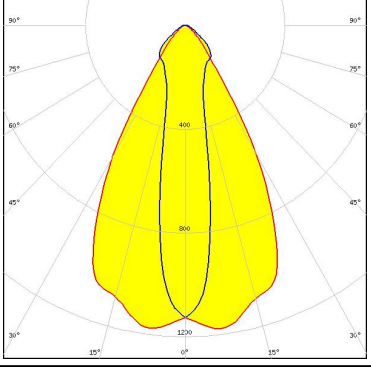

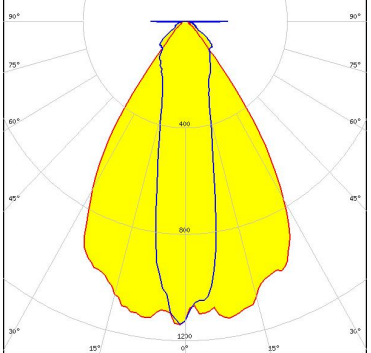
LED RLE 4x16 4000lm MP ADV2 OTD  
FWHM / FWTM 64.0 + 19.0° / 84.0 + 102.0°  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

LED RLE 4x8 2000lm MP ADV2 OTD  
FWHM / FWTM 64.0 + 19.0° / 84.0 + 102.0°  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

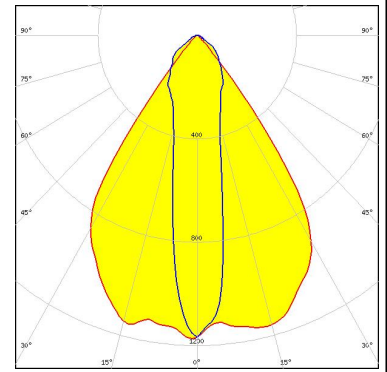
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: Bridgelux SMD 2835</p> <p>FWHM / FWTM: 64.0 + 20.0° / 84.0 + 101.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP)</p> <p>FWHM / FWTM: 60.0 + 20.0° / 82.0 + 102.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP)</p> <p>FWHM / FWTM: 60.0 + 20.0° / 84.0 + 102.0°</p> <p>Efficiency: 83 %</p> <p>Peak intensity: 1.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p></p> <p>LED: XHP35 HI</p> <p>FWHM / FWTM: 67.0 + 22.0° / 86.0 + 105.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

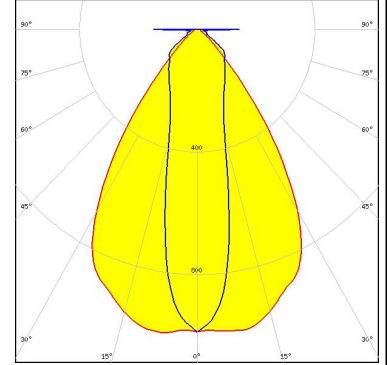
#### OPTICAL RESULTS (SIMULATED):



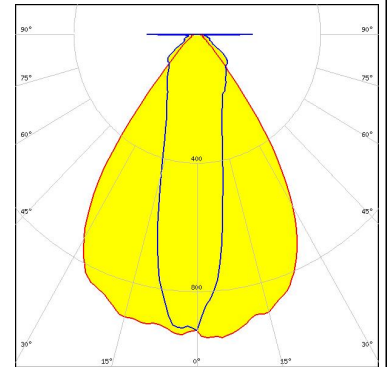
LED XP-G2  
 FWHM / FWTM 71.0 + 20.0° / -1.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



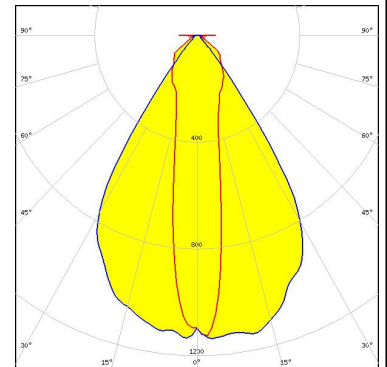
LED XP-G2 HE  
 FWHM / FWTM 69.0 + 24.0° / 94.0 + 180.0°  
 Efficiency 92 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM 70.0 + 25.0° / 93.0 + 111.0°  
 Efficiency 92 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XT-E  
 FWHM / FWTM 67.0 + 18.0° / 83.0 + 102.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

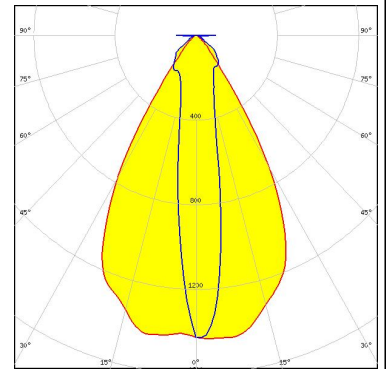




#### OPTICAL RESULTS (SIMULATED):

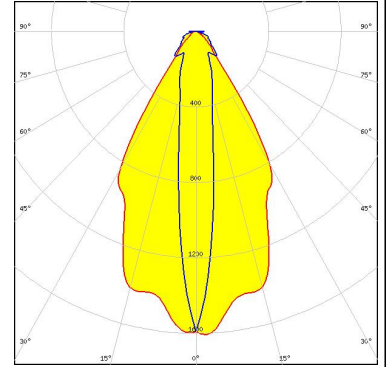
##### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 50.0 + 16.0° / 80.0 + 89.0°  
 Efficiency 91 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



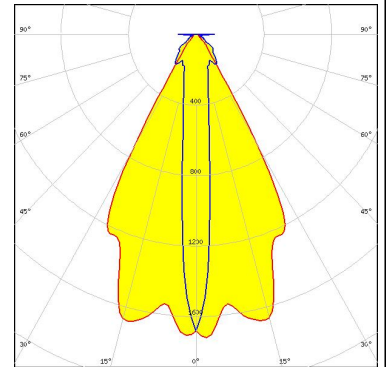
##### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 60.0 + 14.0° / 81.0 + 88.0°  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



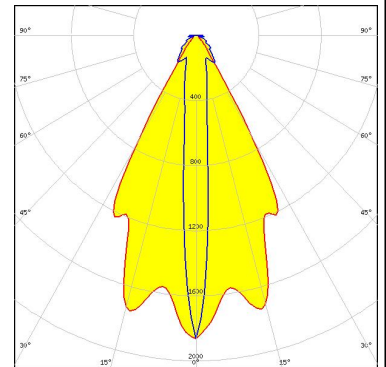
##### LUMILEDS

LED LUXEON HL1Z  
 FWHM / FWTM 58.0 + 12.0° / 72.0 + 84.0°  
 Efficiency 93 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

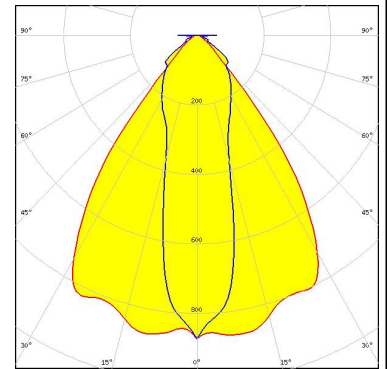
LED NFSWE11A  
 FWHM / FWTM 58.0 + 10.0° / 70.0 + 76.0°  
 Efficiency 91 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



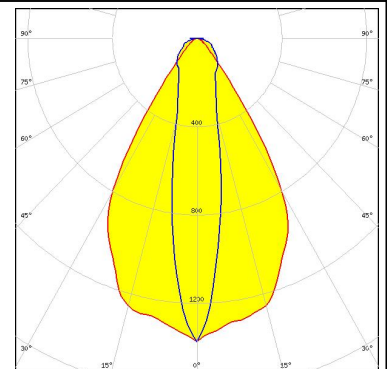
#### OPTICAL RESULTS (SIMULATED):



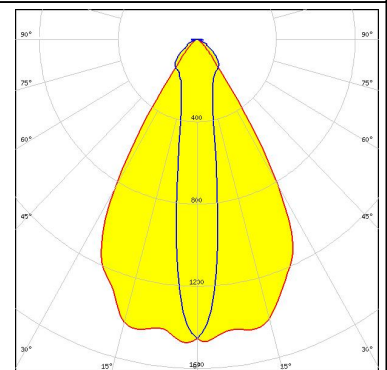
**LED** NVSW519A  
**FWHM / FWTM** 76.0 + 27.0° / 94.0 + 110.0°  
**Efficiency** 91 %  
**Peak intensity** 0.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** Duris E5  
**FWHM / FWTM** 20.0 + 63.0° / 85.0 + 88.0°  
**Efficiency** 94 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

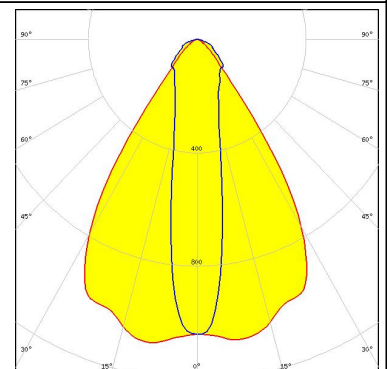


**LED** OSCONIQ C 2424  
**FWHM / FWTM** 62.0 + 16.0° / 80.0 + 92.0°  
**Efficiency** 94 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSLOM Square CSSRM2/CSSRM3  
**FWHM / FWTM** 68.0 + 20.0° / 89.0 + 102.0°  
**Efficiency** 86 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

Protective plate, glass

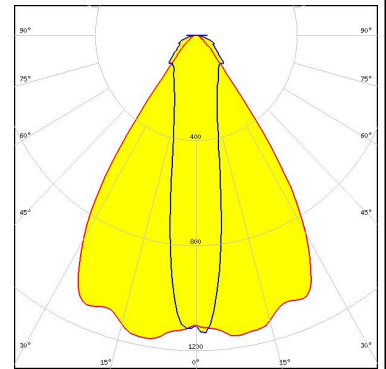


#### OPTICAL RESULTS (SIMULATED):

#### OSRAM

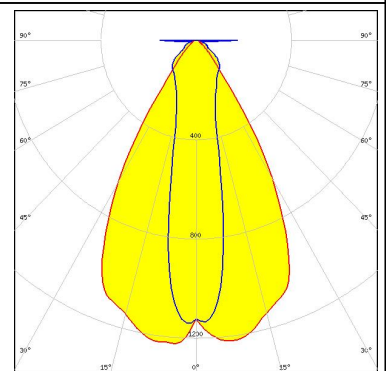
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 69.0 + 20.0° / 87.0 + 100.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



#### SAMSUNG

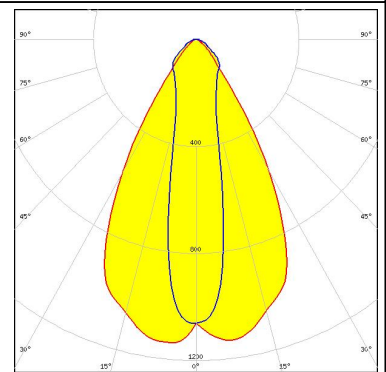
LED LH231B  
 FWHM / FWTM 61.0 + 22.0° / 84.0 + 98.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

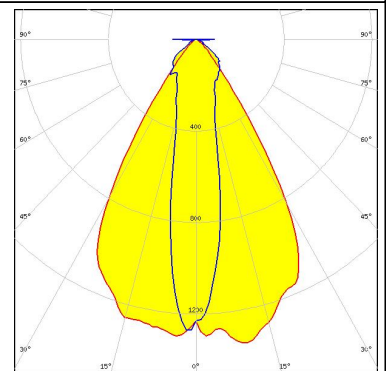
LED LH231B  
 FWHM / FWTM 60.0 + 22.0° / 84.0 + 100.0°  
 Efficiency 82 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass


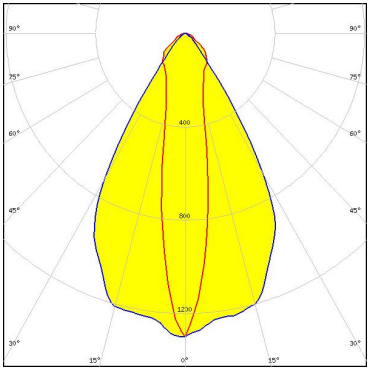

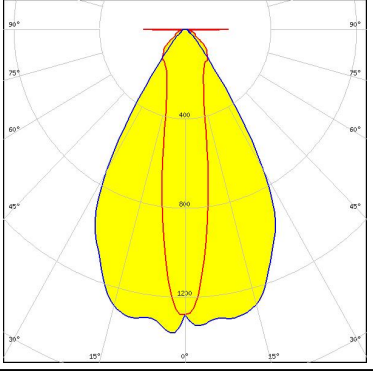



#### SAMSUNG

LED LM301B  
 FWHM / FWTM 19.0 + 63.0° / 83.0 + 97.0°  
 Efficiency 93 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 18.0 + 62.0° / 93.0 + 82.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 62.0 + 20.0° / 82.0 + 180.0°</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>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z8Y22T</p> <p>FWHM / FWTM: 63.0 + 20.0° / 85.0 + 101.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	