

## STRADA-2X2MX-8-DWC

Universal road lighting (typically IESNA Type III medium) beam with excellent mixed illuminance and luminance uniformity

### SPECIFICATION:

Dimensions	90.0 x 90.0 mm
Height	13.6 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

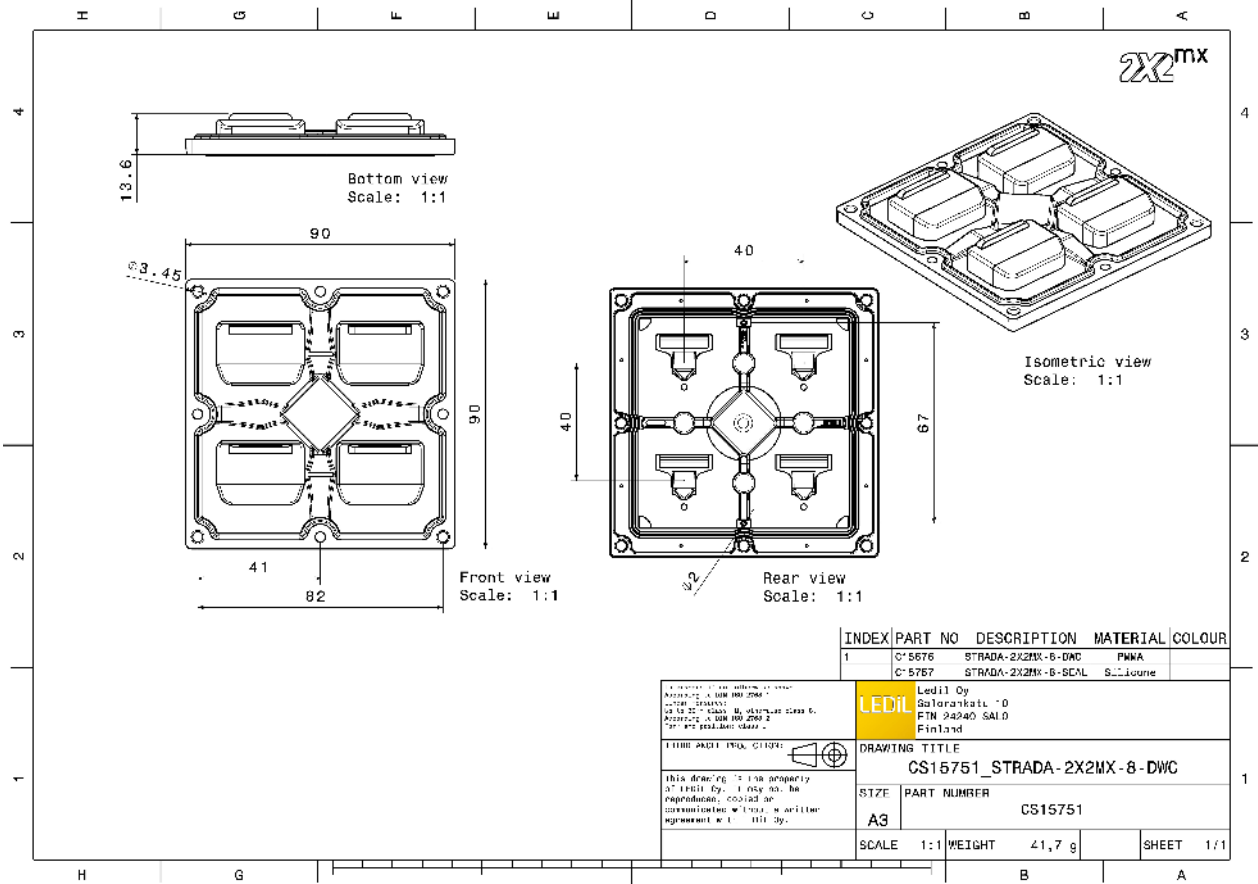


### MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-2X2MX-8-DWC	Multi-lens	PMMA	clear	
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear	

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS15751_STRADA-2X2MX-8-DWC » Box size: 476 x 273 x 292 mm	Multi-lens	156	52	52	7.5

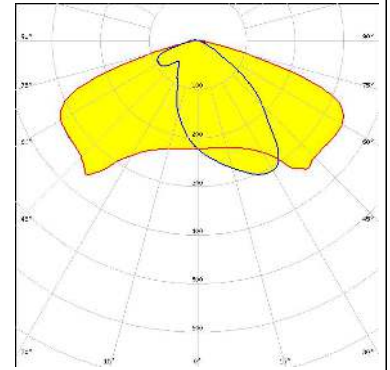


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

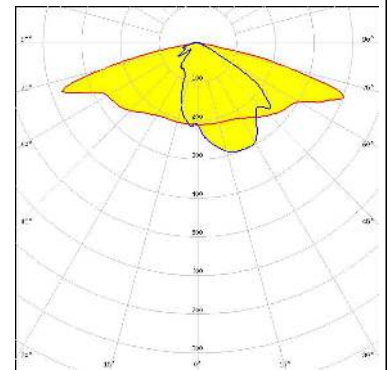
##### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 441 Typ 2x2MX HV



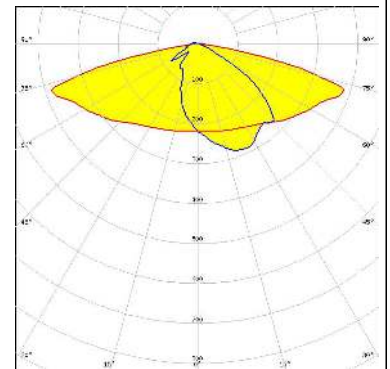
##### LUMILEDS

LED LUXEON M/MX  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



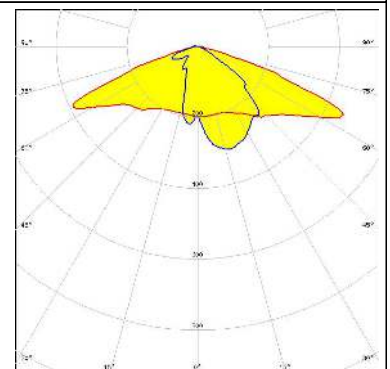
##### LUMILEDS

LED LUXEON XR-7070 (L224-xxx004MLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

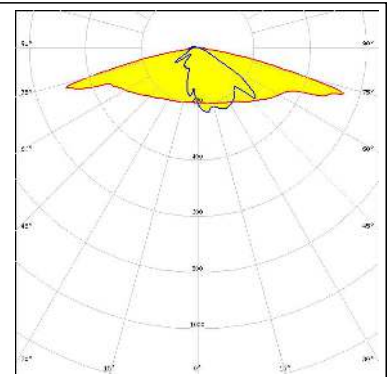
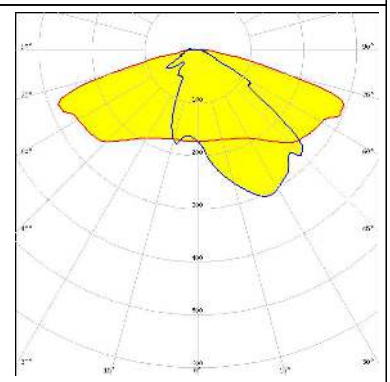
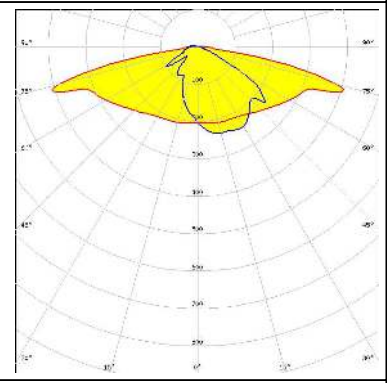
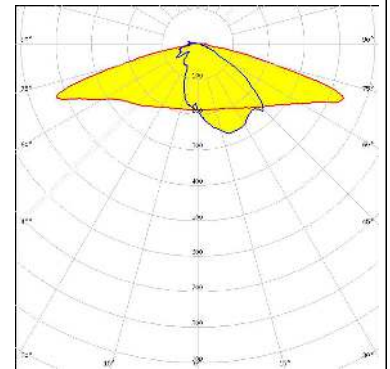


##### SAMSUNG


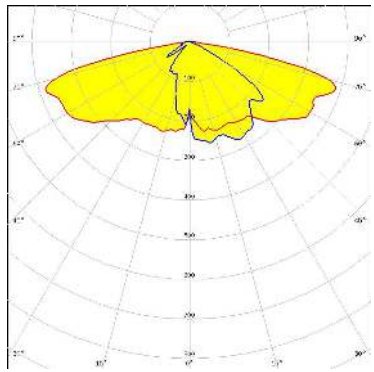
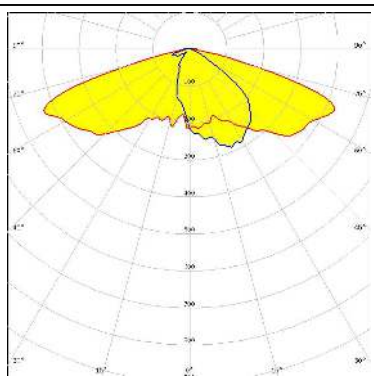

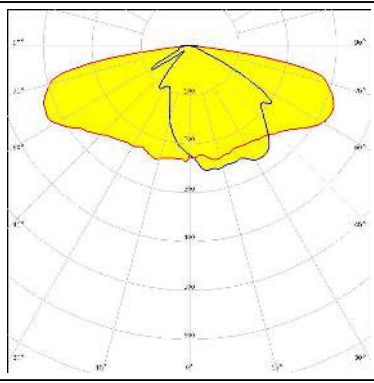

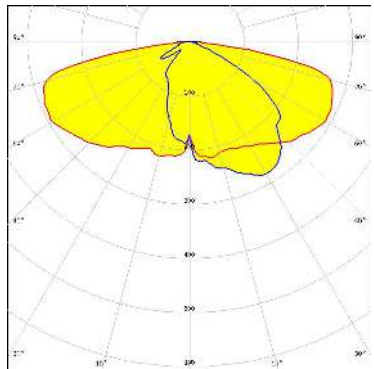
LED HiLOM SC16 (LH181B)  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

<p><b>SCIOLUX</b></p> <p>LED XLE-S22C4XD16 (XD16)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 4</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SCIOLUX</b></p> <p>LED XLE-S22C4XTEHE (XT-E HE)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED WICOP 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 4</p> <p>Light colour White</p> <p>Required components:</p>	

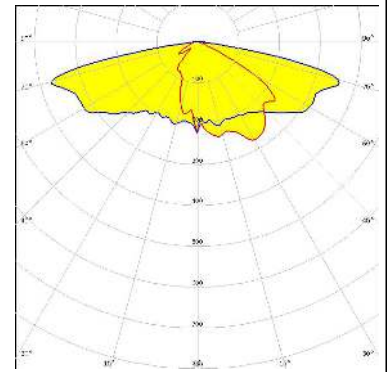
#### OPTICAL RESULTS (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED: Bridgelux SMD 5050            FWHM / FWTM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CITIZEN</b></p> <p>LED: CLU700/701/702/703            FWHM / FWTM: Asymmetric            Efficiency: 92 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            Bender Wirth: 434 Typ 2x2MX HV</p>	
<p> <b>CREE LED</b></p> <p>LED: MHB-A/B            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: MHD-E/G            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

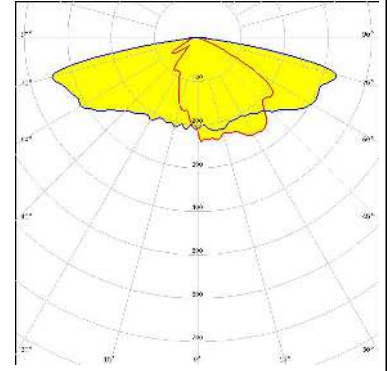
##### CREE LED

LED XHP50  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



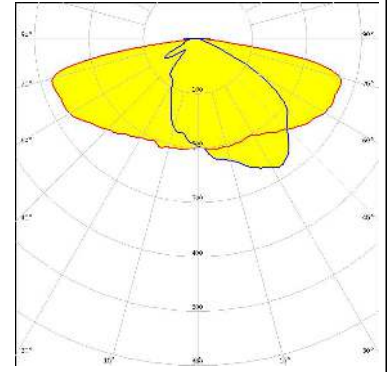
##### CREE LED

LED XHP50.2  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



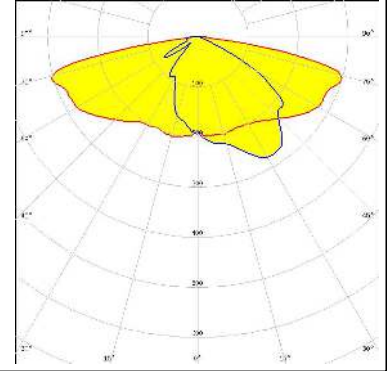
##### CREE LED

LED XHP70.2  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

LED XHP70.3 HD  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

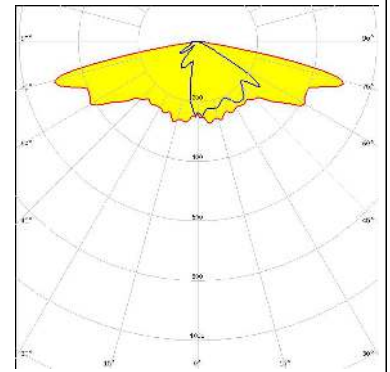




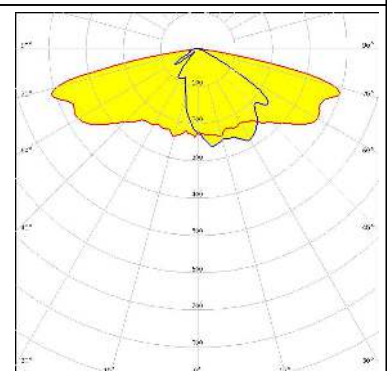
#### OPTICAL RESULTS (SIMULATED):



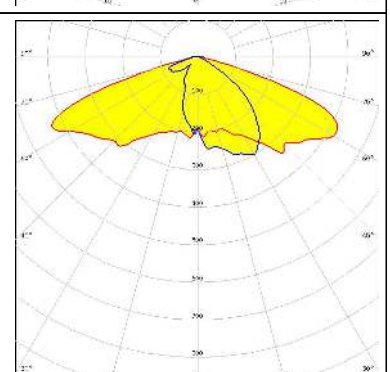
LED XT-E  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



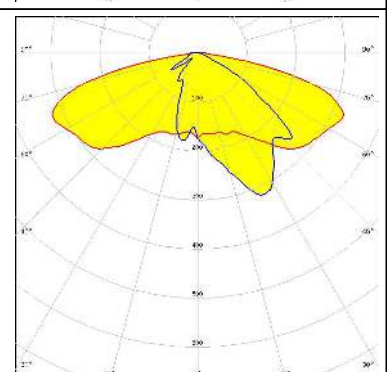
LED LUXEON 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



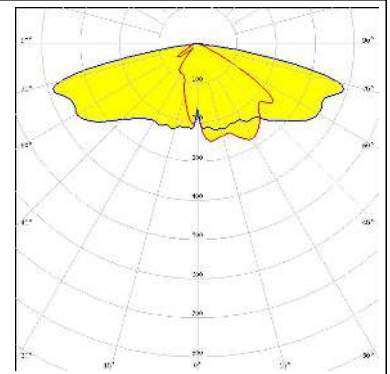
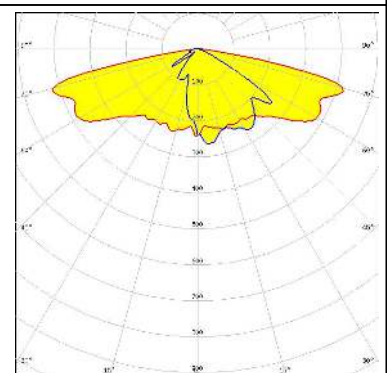
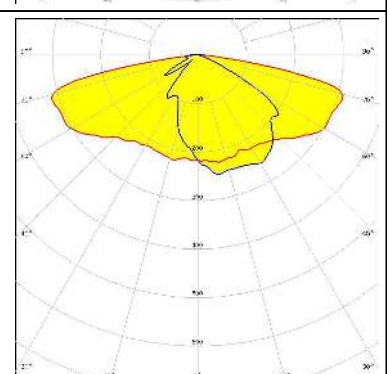
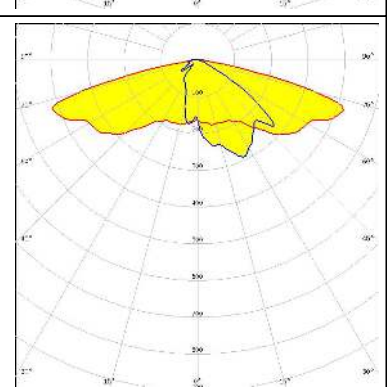
LED LUXEON 7070  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NF2x757G  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:

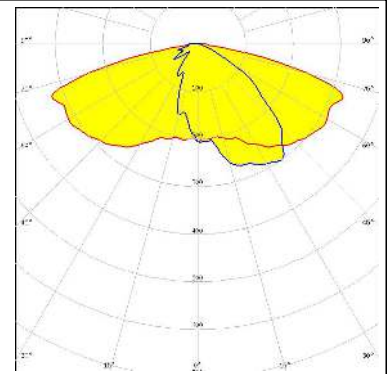
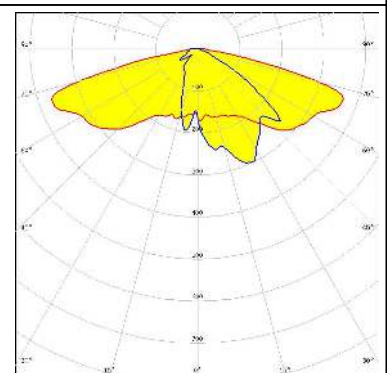
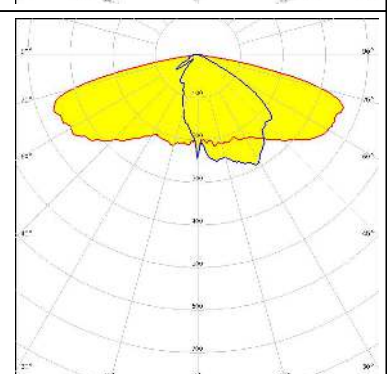
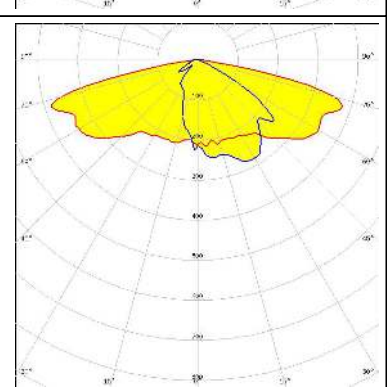


#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NFMW48xA            FWHM / FWTM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NV4WB35AM            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NV4x144A            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 0.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 4            Light colour: White            Required components:</p>	



#### OPTICAL RESULTS (SIMULATED):

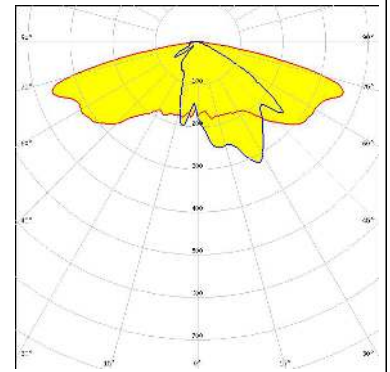
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 9            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 4            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: Duris S10            FWHM / FWTM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: Duris S8            FWHM / FWTM: Asymmetric            Efficiency: 95 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

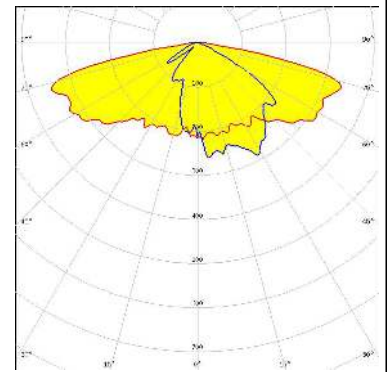
LED OSCONIQ C 2424  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

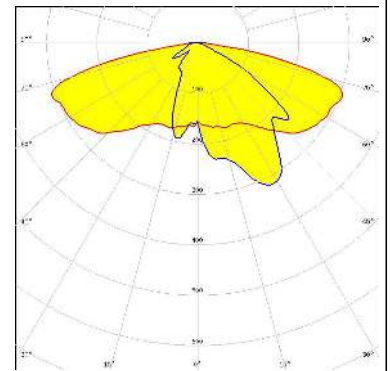
LED OSCONIQ P 7070  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

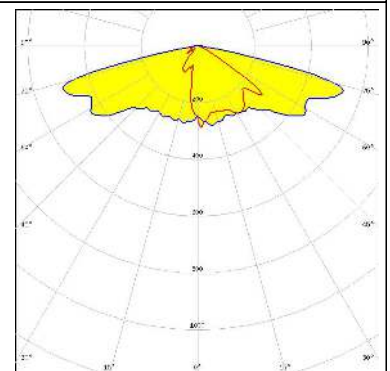
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



##### SAMSUNG

LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR		
LED	Z8Y19	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	4	
Light colour	White	
Required components:		
		
 SEOUL SEMICONDUCTOR		
LED	Z8Y50P	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.6 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### 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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#### Shipping locations

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#### Distribution Partners

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