

## LINDA-UP

~145° + 100° extra wide beam for uplighting

### SPECIFICATION:

Dimensions	25.7 x 1140.0 mm
Height	7.8 mm
ROHS compliant	yes ⓘ

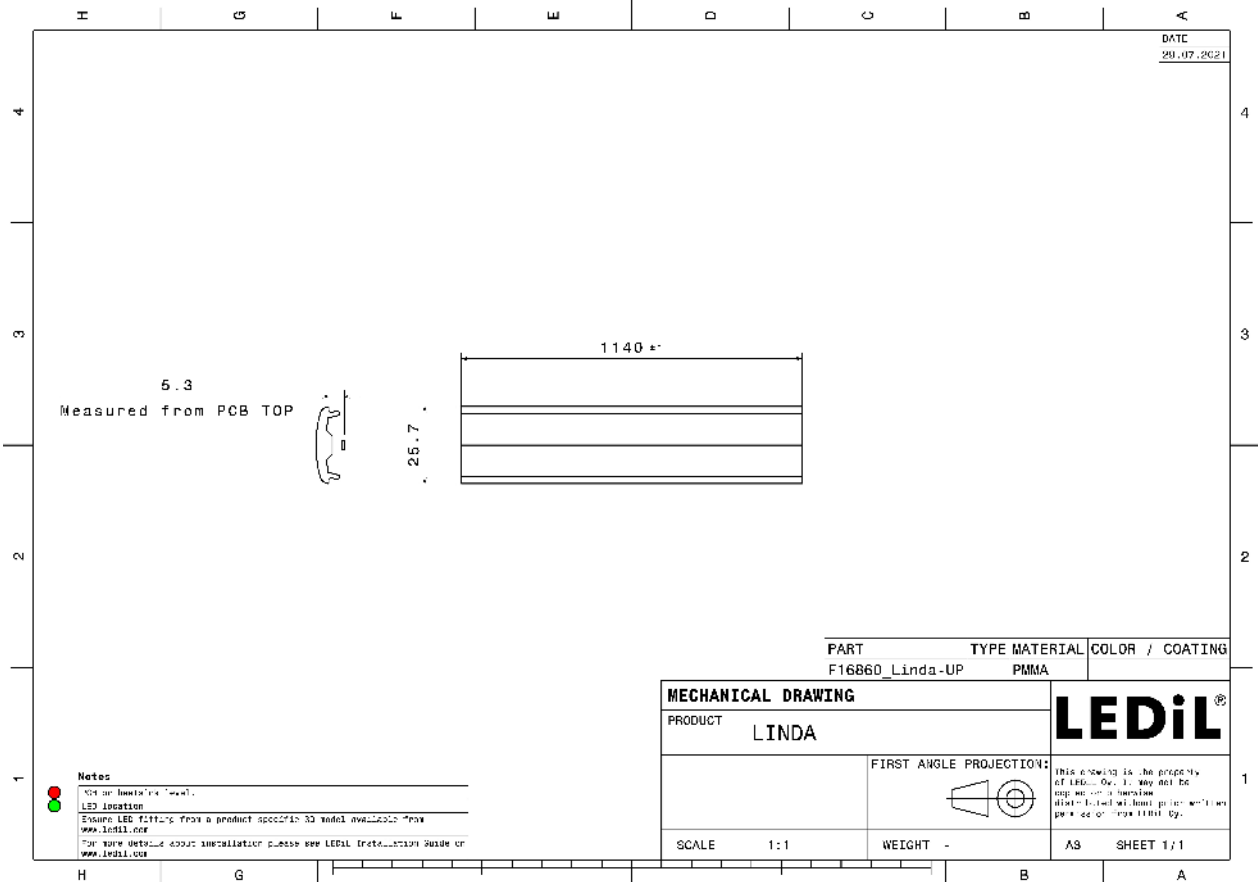
### MATERIALS:

Component	Type	Material	Colour	Finish
LINDA-UP	Linear lens	PMMA		



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16860_LINDA-UP » Box size: 1185 x 150 x 115 mm	100	100	100	12.6

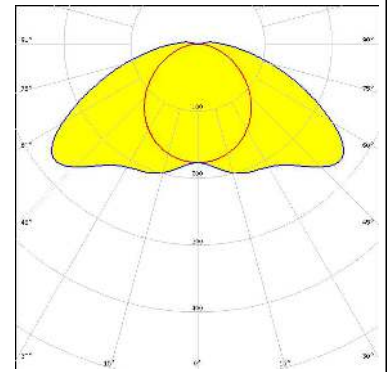


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

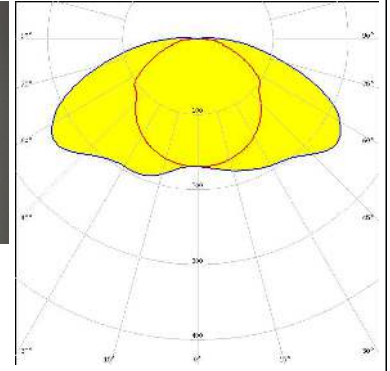
#### CITIZEN

LED CLUC11  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



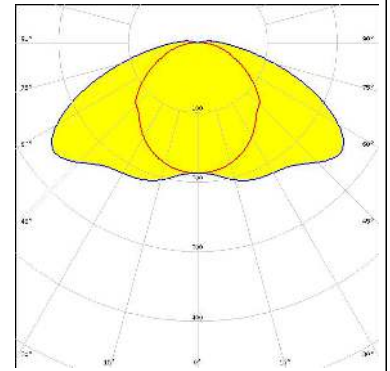
#### CREE LED

LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



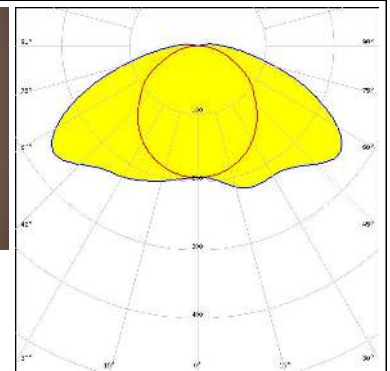
#### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

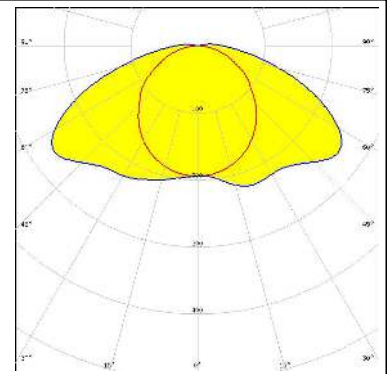
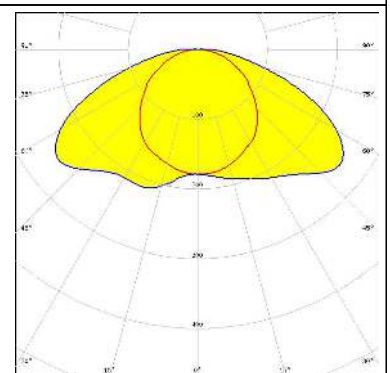
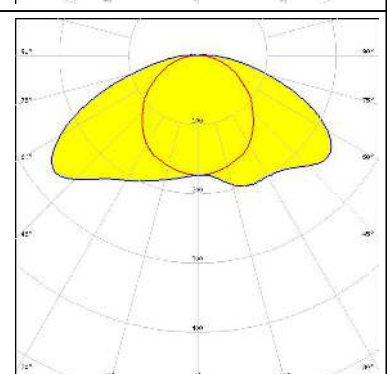
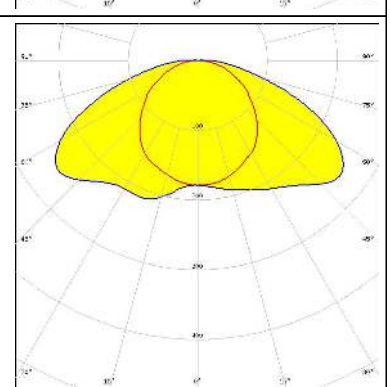


#### NICHIA

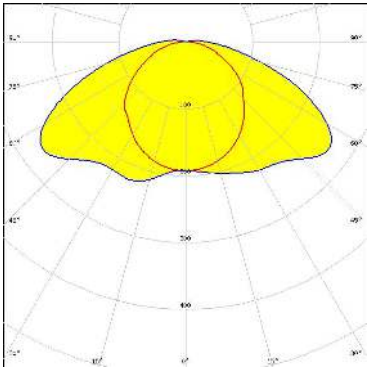
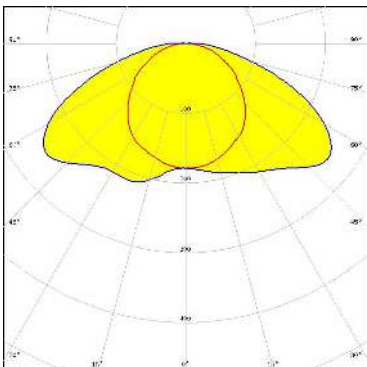
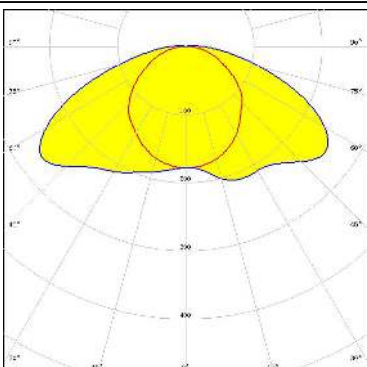
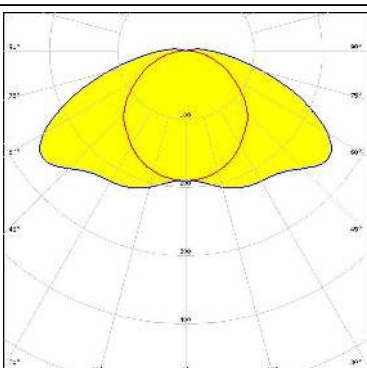
LED NF2W757G-MT (Tunable White)  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:



### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM / FWTM Asymmetric            Efficiency 88 %            Peak intensity 0.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b></p> <p>LED PL-LIN-Z5 1100 280x20            FWHM / FWTM Asymmetric            Efficiency 82 %            Peak intensity 0.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b></p> <p>LED PL-LIN-Z5 2000 280x20            FWHM / FWTM Asymmetric            Efficiency 80 %            Peak intensity 0.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E 2835            FWHM / FWTM Asymmetric            Efficiency 82 %            Peak intensity 0.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

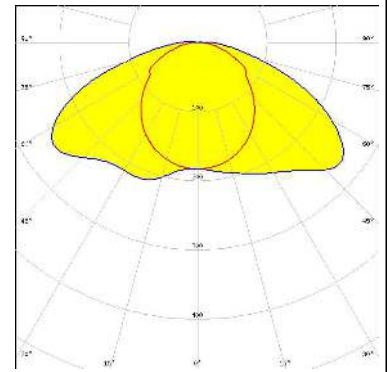
### OPTICAL RESULTS (MEASURED):

<p><b>OSRAM</b> Osram Semiconductors</p> <p>LED Duris E 2835 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>OSRAM</b> Osram Semiconductors</p> <p>LED Duris E 2835 FWHM / FWTM Asymmetric Efficiency 80 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Strip 1ft 1100lm FC HV4 &amp; LV4 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Strip 1ft 1100lm FC HV5 &amp; LV5 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

#### OPTICAL RESULTS (MEASURED):

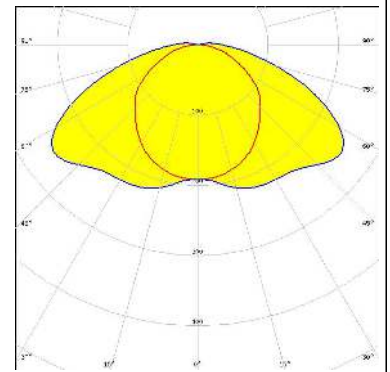
### PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



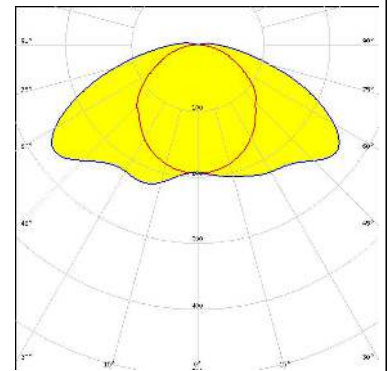
### PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV5 & LV5  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



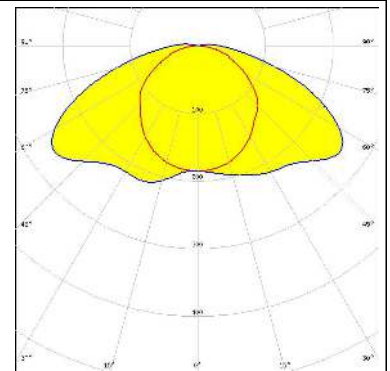
### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

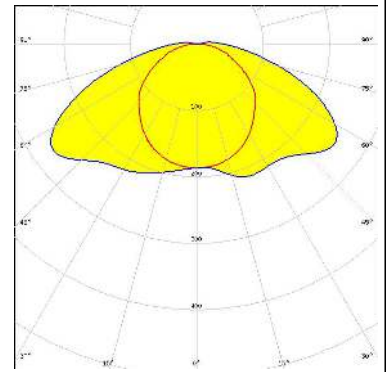
LED LM301B  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

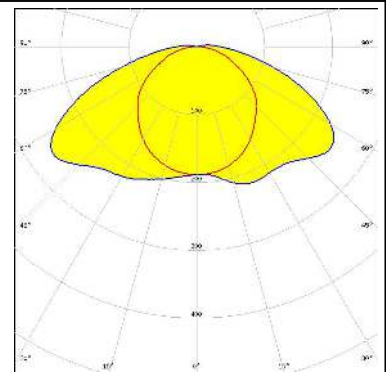
### SAMSUNG

LED LM561C  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



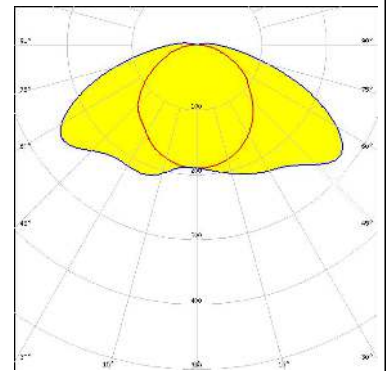
### SAMSUNG

LED LT-H282C  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



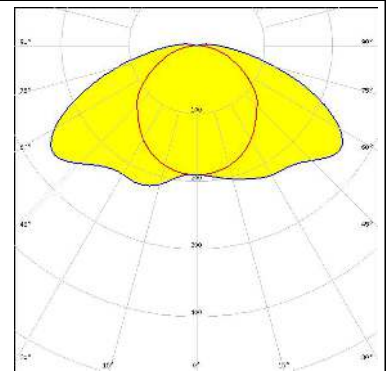
### SAMSUNG

LED LT-Q282B  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




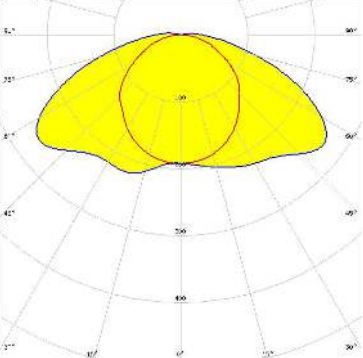
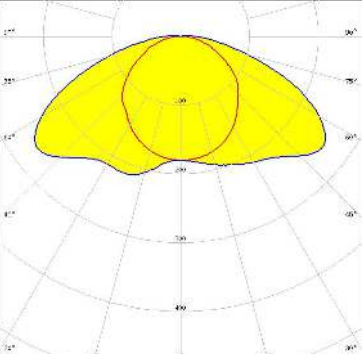
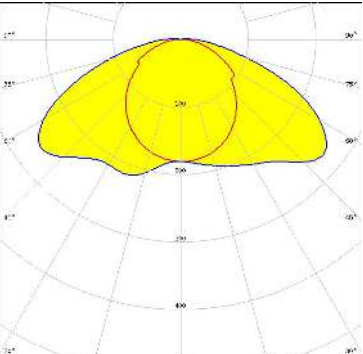
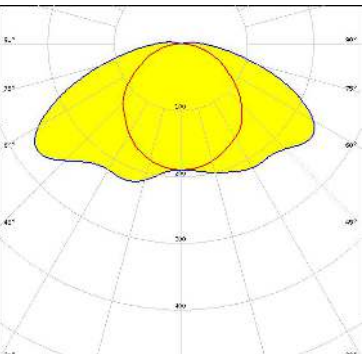
### SAMSUNG

LED LT-S282H  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



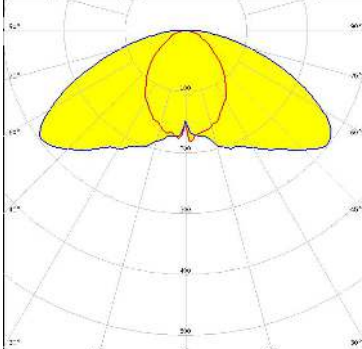
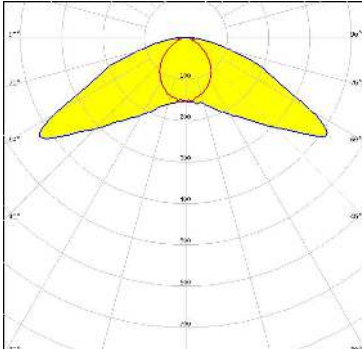
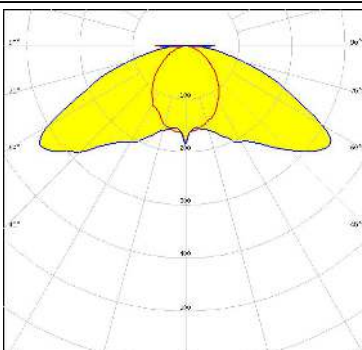
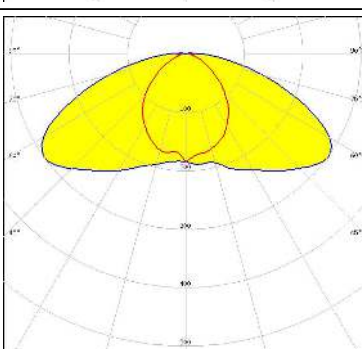


### OPTICAL RESULTS (MEASURED):

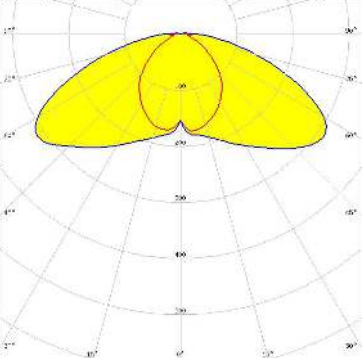
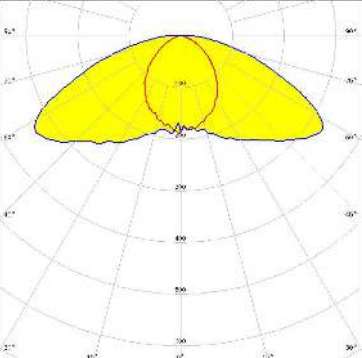
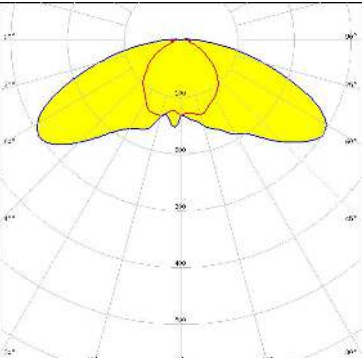
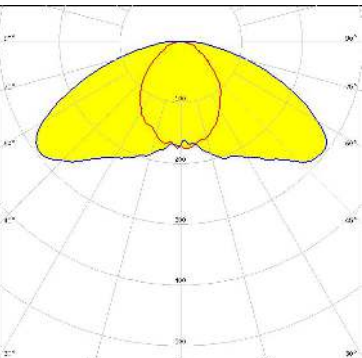
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3528            FWHM / FWTM: Asymmetric            Efficiency: 88 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>TRIDONIC</b></p> <p>LED: LLE 24x280mm 1250lm HV ADV5            FWHM / FWTM: Asymmetric            Efficiency: 83 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>TRIDONIC</b></p> <p>LED: LLE 24x280mm 650lm HV ADV5            FWHM / FWTM: Asymmetric            Efficiency: 83 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>TRIDONIC</b></p> <p>LED: LLE FLEX CC 14mm 1250lm ADV1            FWHM / FWTM: Asymmetric            Efficiency: 86 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	



### OPTICAL RESULTS (SIMULATED):

<p><b>bridgelux.</b></p> <p>LED: Bridgelux SMD 5050            FWHM / FWTM: Asymmetric            Efficiency: 80 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON CSP HL1            FWHM / FWTM: 93.0 + 135.0° / 163.0 + 167.0°            Efficiency: 88 %            Peak intensity: 0.4 cd/lm            LEDs/each optic: 5            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NFSWE11A            FWHM / FWTM: Asymmetric            Efficiency: 82 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3            FWHM / FWTM: Asymmetric            Efficiency: 87 %            Peak intensity: 0.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Hyper Red</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.3 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 OSLON SSL 150</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Far Red</p> <p>Required components:</p>	
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 5050 6V</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### 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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#### Local sales and technical support

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#### Shipping locations

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