

## FLORENCE-3R-IP-Z60

~60° wide beam

### SPECIFICATION:

Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

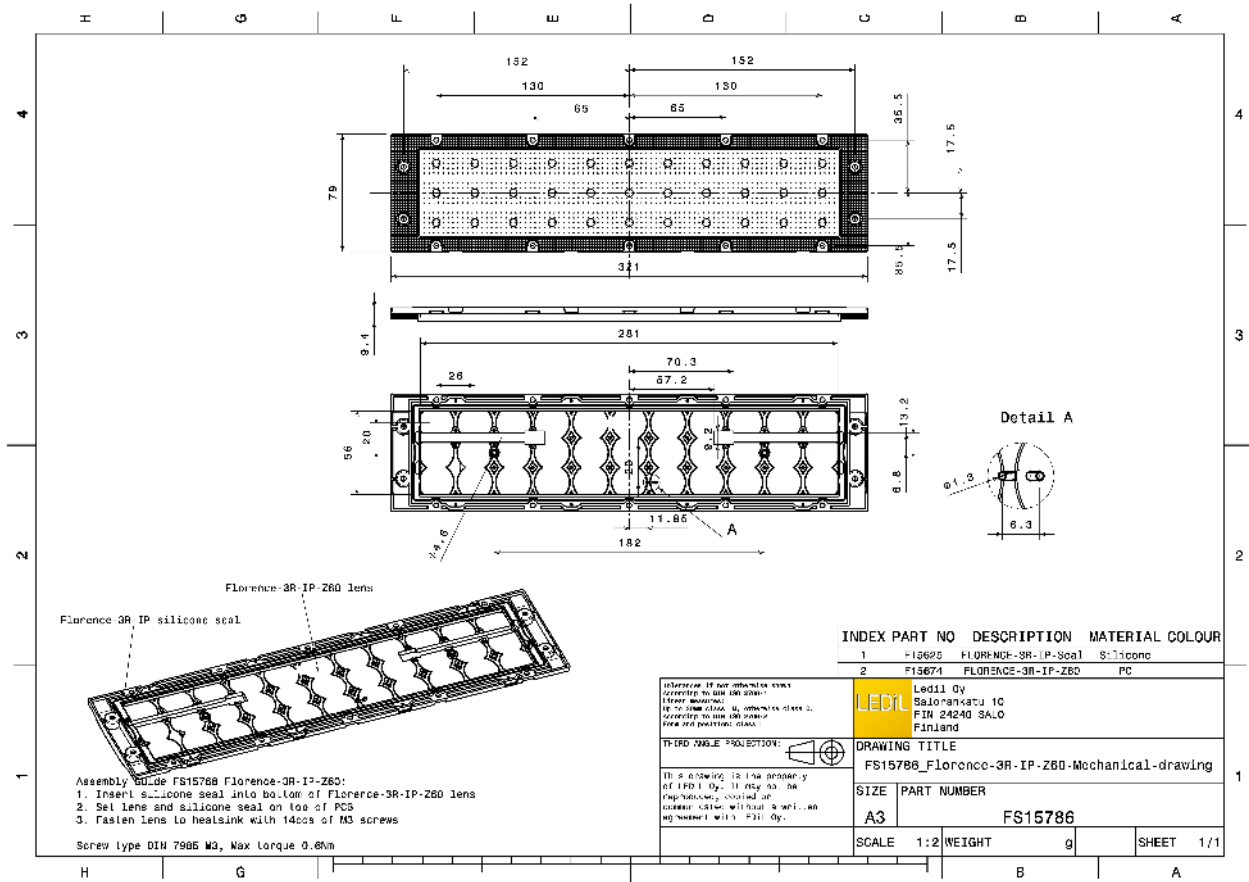
### MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-3R-IP-Z60	Linear lens	PC	clear	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear	

### ORDERING INFORMATION:

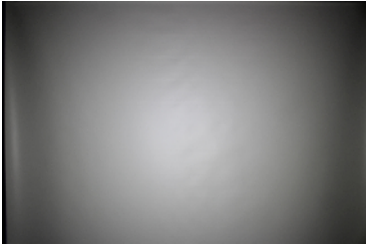
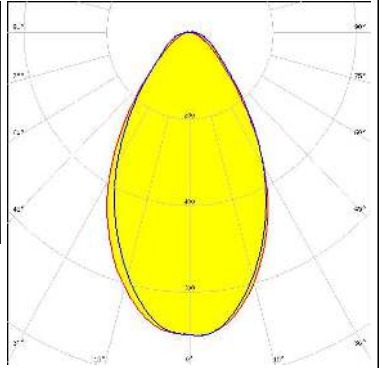

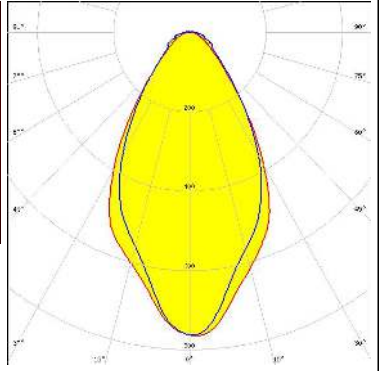

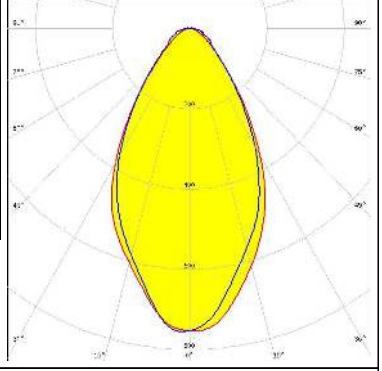
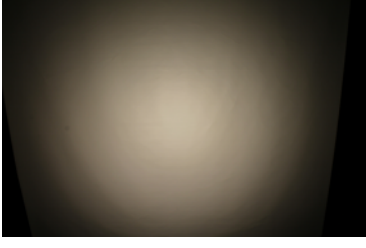
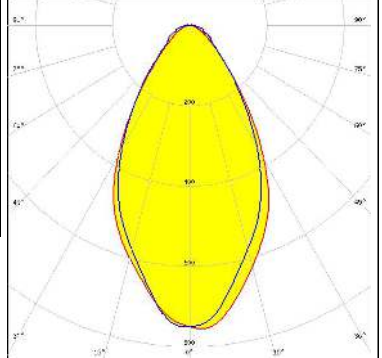
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FS15786_FLORENCE-3R-IP-Z60 » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0



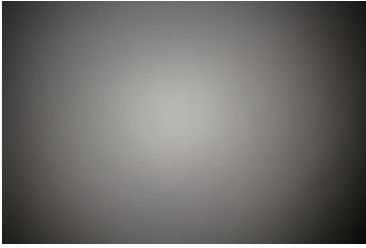
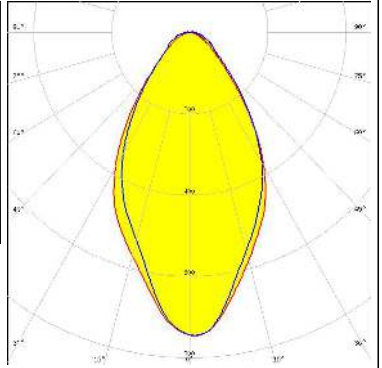

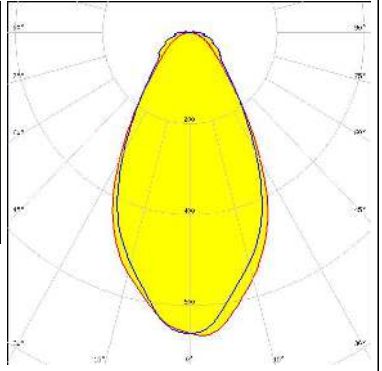
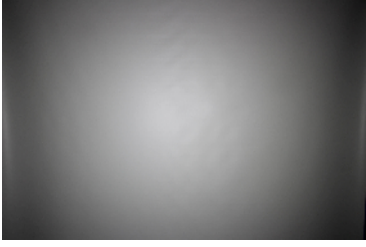
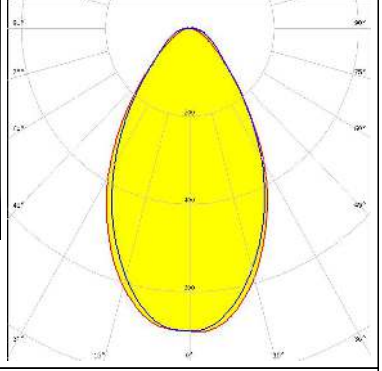
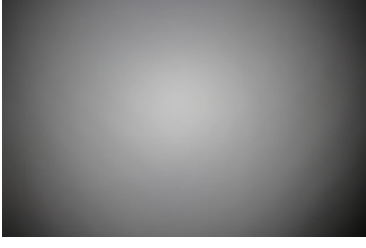
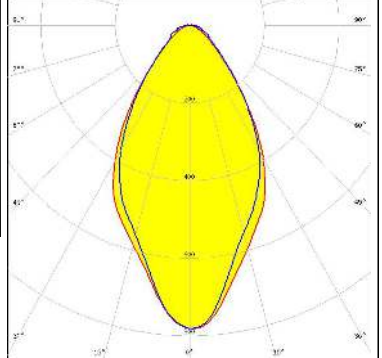


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


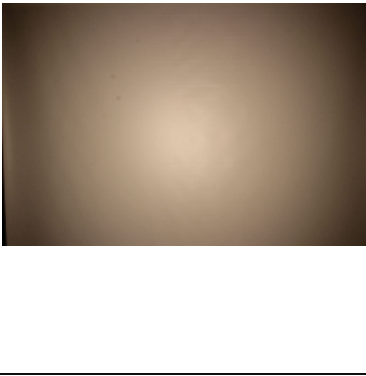
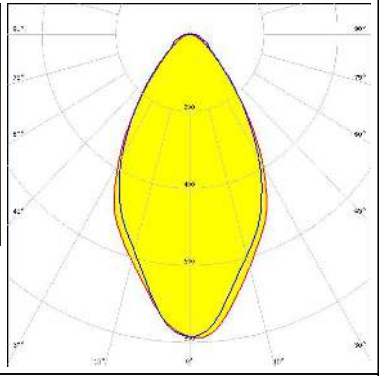

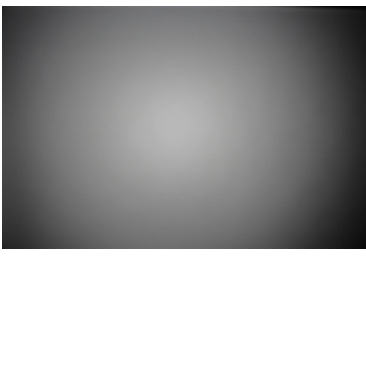
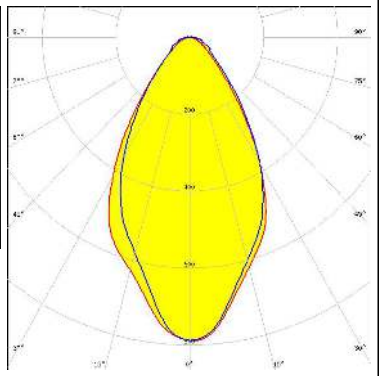

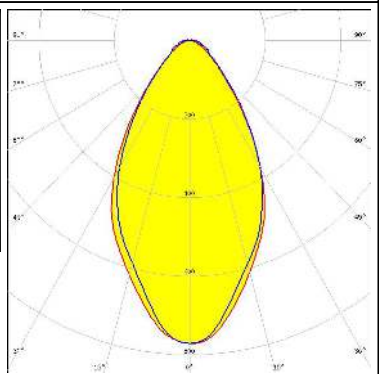
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 62.5 + 60.0° / 108.5 + 116.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMINUS</b></p> <p>LED SST-10-B130</p> <p>FWHM / FWTM 61.0° / 104.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Deep Red</p> <p>Required components:</p>		
<p><b>MST</b> <i>Your solutions</i></p> <p>LED LinLED 280x55mm 1100lm 840 3x11 33V Opt G2</p> <p>FWHM / FWTM 60.0 + 57.0° / 102.5 + 105.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>MST</b> <i>Your solutions</i></p> <p>LED LinLED 280x55mm 2000lm 830 33V Opt G1</p> <p>FWHM / FWTM 60.0 + 57.0° / 102.0 + 105.5°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


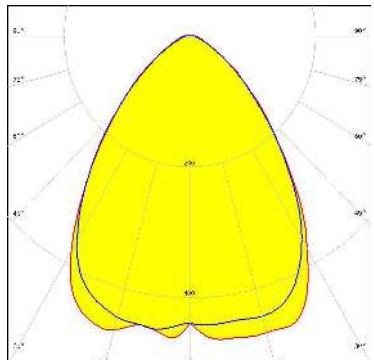

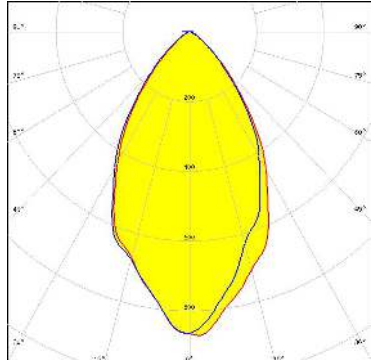

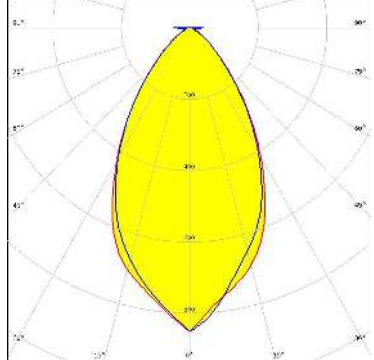

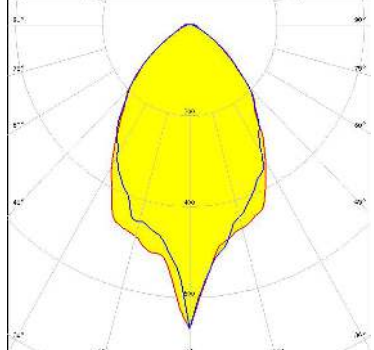
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 59.0° / 109.0°            Efficiency 87 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S2            FWHM / FWTM 58.0° / 117.0°            Efficiency 82 %            Peak intensity 0.7 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 62.0° / 113.0°            Efficiency 86 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3            FWHM / FWTM 59.0° / 105.0°            Efficiency 88 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

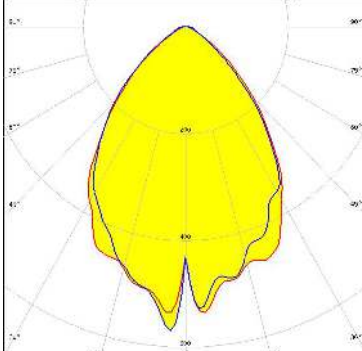
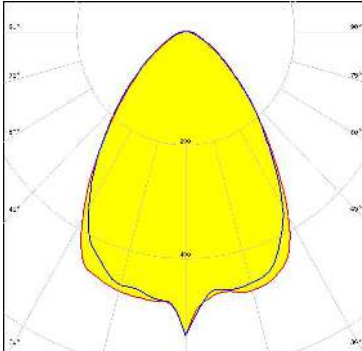
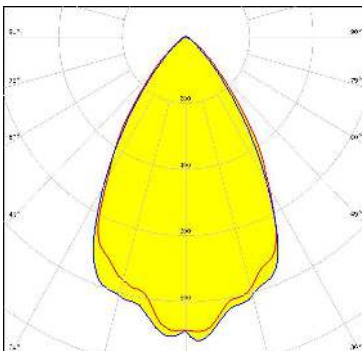
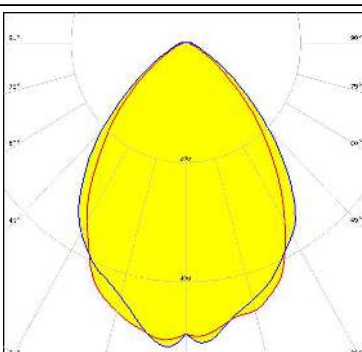
#### OPTICAL RESULTS (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    SEOUL 5630C</p> <p>FWHM / FWTM      59.0° / 103.0°</p> <p>Efficiency            87 %</p> <p>Peak intensity      0.8 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      60.0 + 57.0° / 101.0 + 104.0°</p> <p>Efficiency            88 %</p> <p>Peak intensity      0.8 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G2 55x280mm 2000lm</p> <p>FWHM / FWTM      59.0° / 105.0°</p> <p>Efficiency            88 %</p> <p>Peak intensity      0.8 cd/lm</p> <p>LEDs/each optic    1</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: 79.0° / 123.0°            Efficiency: 83 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XP-G2            FWHM / FWTM: 60.0° / 102.0°            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XP-G3            FWHM / FWTM: 59.0° / 102.0°            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>LUMILEDS</b></p> <p>LED: LUXEON CZ            FWHM / FWTM: 61.0° / 119.0°            Efficiency: 83 %            Peak intensity: 0.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

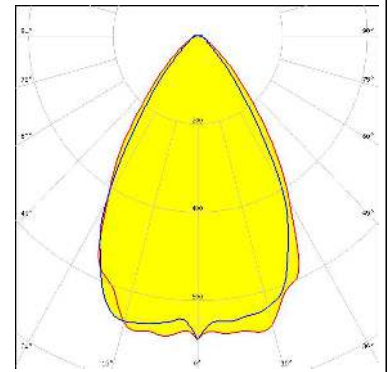
#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E 2835</p> <p>FWHM / FWTM 74.0° / 116.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.6 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 Duris S10</p> <p>FWHM / FWTM 74.0° / 120.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.5 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 3030</p> <p>FWHM / FWTM 64.0° / 96.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.8 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 OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM 78.0° / 120.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

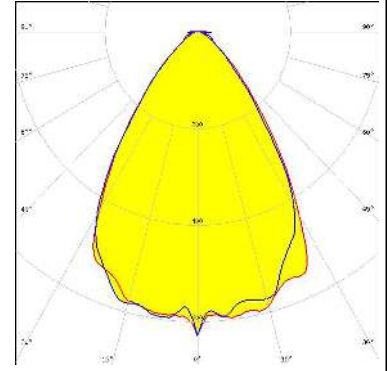
#### SAMSUNG

LED LM302Z  
 FWHM / FWTM 68.0 + 64.0° / 104.0 + 94.0°  
 Efficiency 85 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:

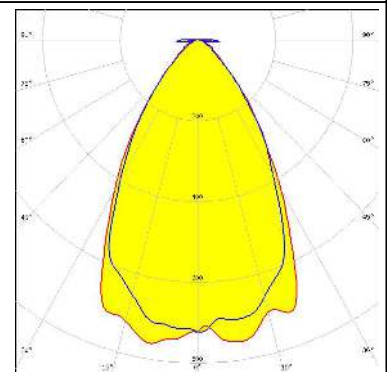


#### SAMSUNG

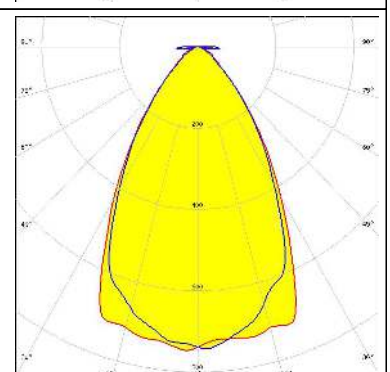
LED LM302Z  
 FWHM / FWTM 70.0 + 69.0° / 105.0°  
 Efficiency 83 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED Z8Y22  
 FWHM / FWTM 62.0° / 100.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED Z8Y22P  
 FWHM / FWTM 63.0° / 101.0°  
 Efficiency 93 %  
 Peak intensity 0.8 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:

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:

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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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