

## FLORENCE-3R-IP-O

~85° + 40° oval beam

### SPECIFICATION:

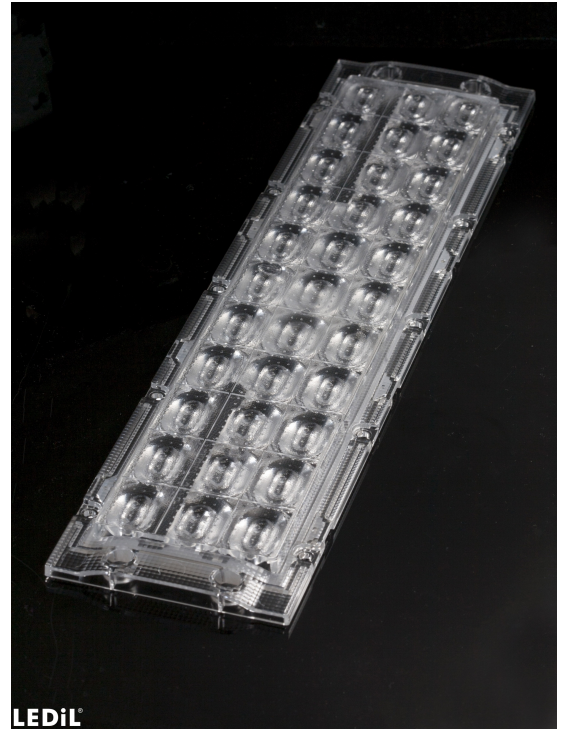
Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

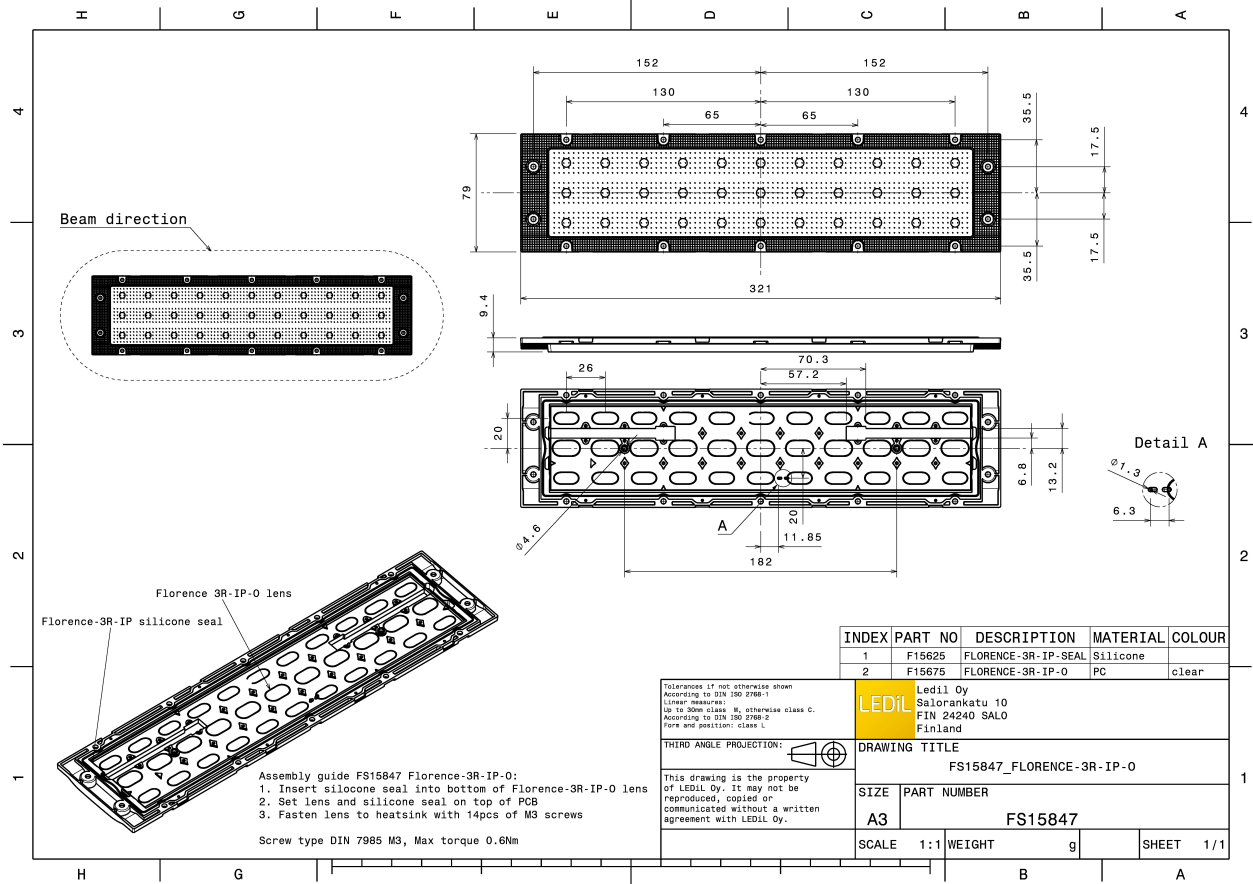
### MATERIALS:

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

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FS15847_FLORENCE-3R-IP-O » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0



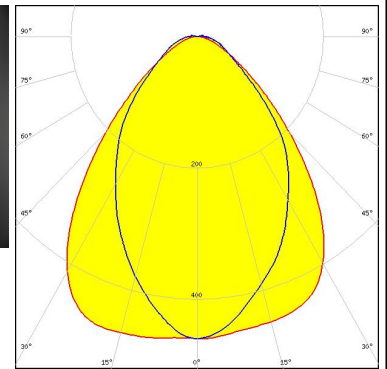
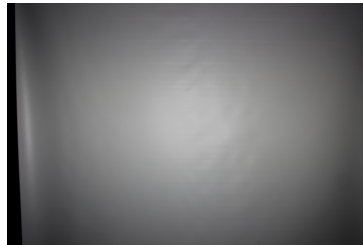


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

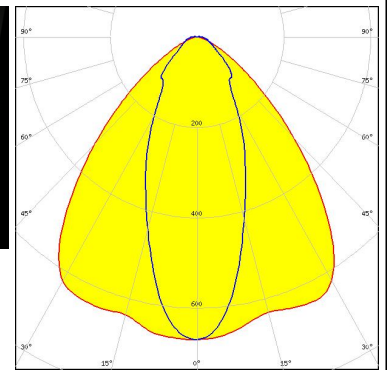
#### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM / FWTM 86.0 + 72.0° / 128.0 + 136.0°  
 Efficiency 86 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



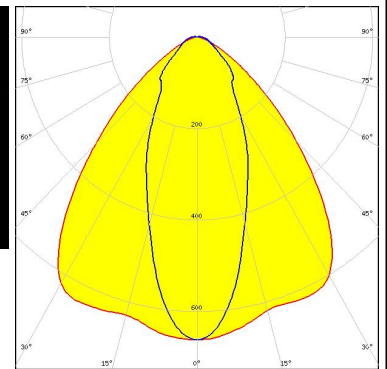
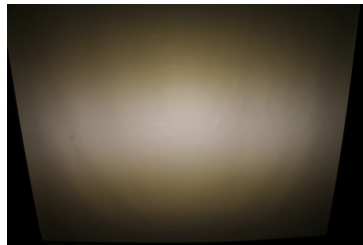
#### MST *Your solutions*

LED LinLED 280x55mm 1100lm 840 3x11 33V Opt G2  
 FWHM / FWTM 88.5 + 40.0° / 125.0 + 105.5°  
 Efficiency 85 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



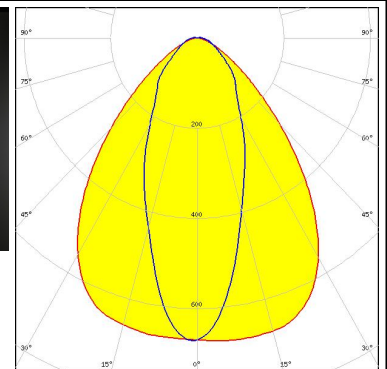
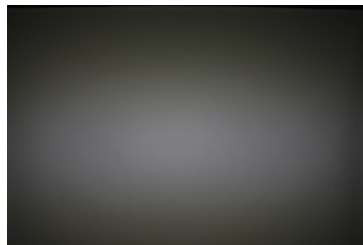
#### MST *Your solutions*

LED LinLED 280x55mm 2000lm 830 33V Opt G1  
 FWHM / FWTM 89.0 + 41.0° / 125.0 + 106.5°  
 Efficiency 85 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

LED PLG2-BAR-1100-xxx-280x55-DC  
 FWHM / FWTM 84.0 + 40.0° / 125.0 + 111.0°  
 Efficiency 86 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

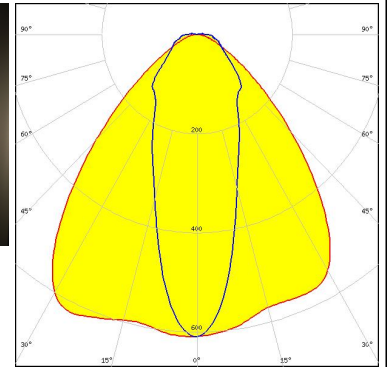
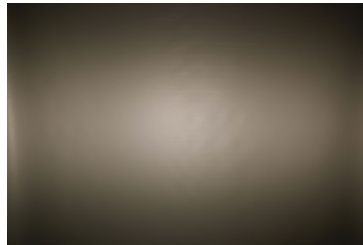


#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

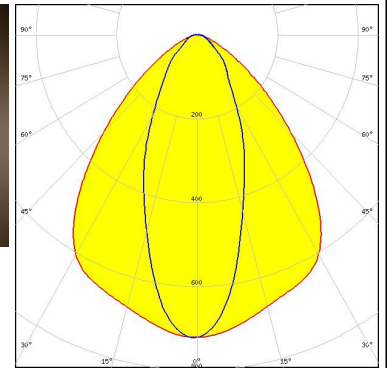
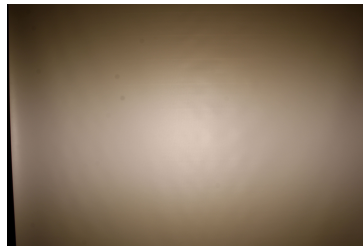
LED Duris S2  
 FWHM / FWTM 88.0 + 33.5° / 127.0 + 123.5°  
 Efficiency 81 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOUL

SEOUL SEMICONDUCTOR

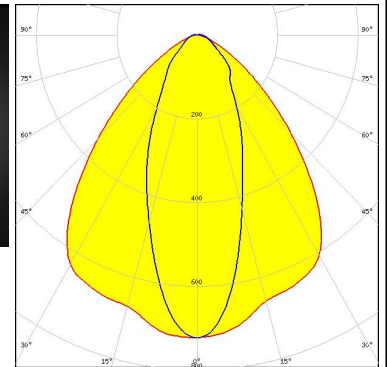
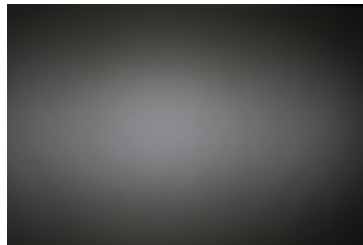
LED SEOUL 5630C  
 FWHM / FWTM 87.0 + 41.0° / 127.0 + 99.0°  
 Efficiency 87 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOUL

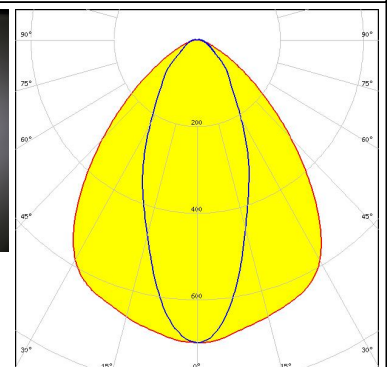
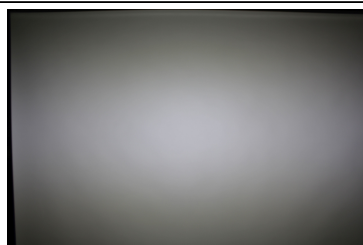
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
 FWHM / FWTM 88.0 + 39.0° / 127.0 + 101.0°  
 Efficiency 88 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### TRIDONIC

LED LLE G2 55x280mm 2000lm  
 FWHM / FWTM 87.0 + 43.0° / 127.0 + 101.0°  
 Efficiency 88 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

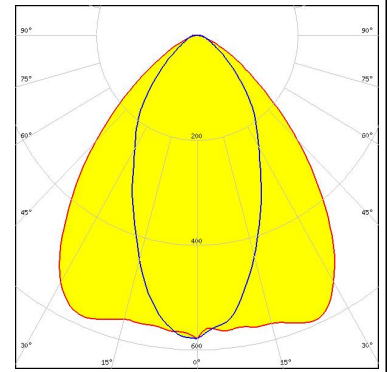




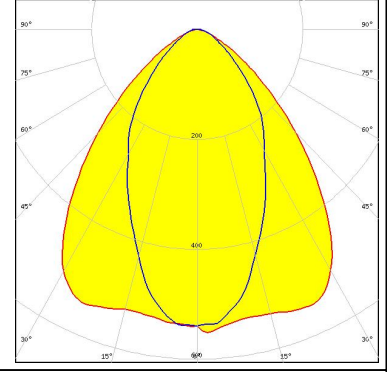
#### OPTICAL RESULTS (SIMULATED):



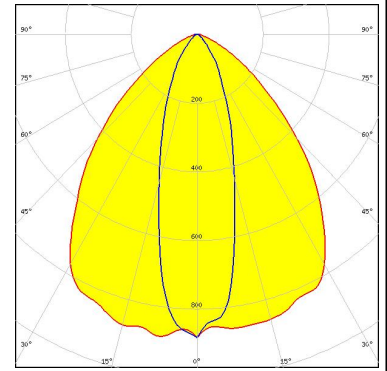
LED J Series 5050 Round LES  
 FWHM / FWTM 88.0 + 52.0° / 126.0 + 109.0°  
 Efficiency 89 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



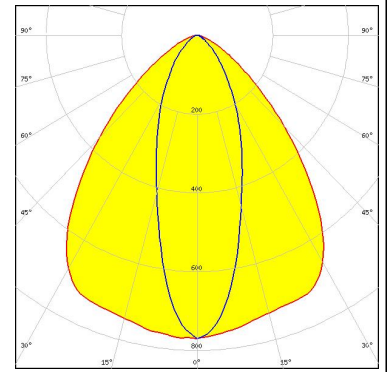
LED J Series 5050B 6V K Class  
 FWHM / FWTM 88.0 + 57.0° / 126.0 + 116.0°  
 Efficiency 89 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



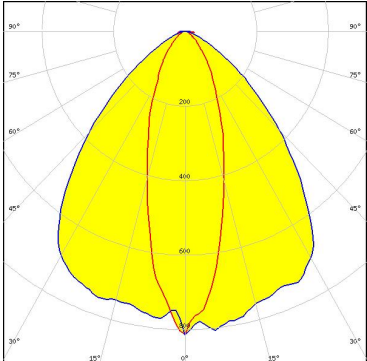
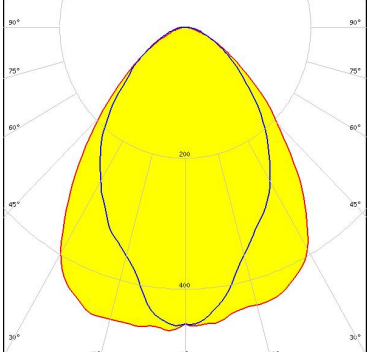
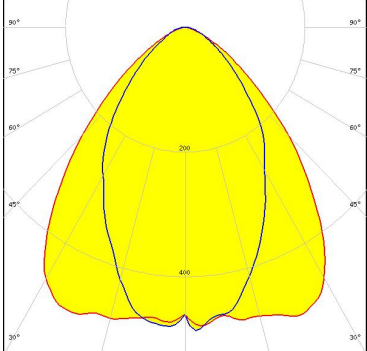
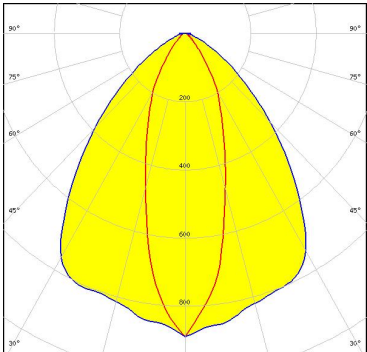
LED LUXEON CZ  
 FWHM / FWTM 89.0 + 30.0° / 128.0 + 74.0°  
 Efficiency 87 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NF2x757D  
 FWHM / FWTM 86.0 + 34.0° / 126.0 + 89.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



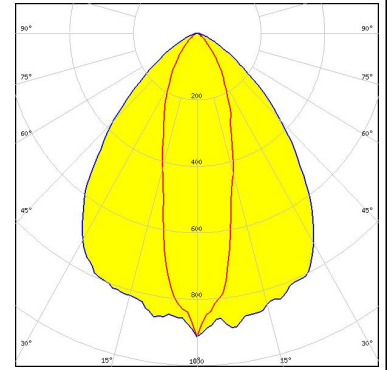
#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 30.0 + 87.0° / 81.0 + 124.0°            Efficiency: 86 %            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 S10            FWHM / FWTM: 85.0 + 72.0° / 131.0 + 133.0°            Efficiency: 84 %            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: 89.0 + 67.0° / 128.0 + 122.0°            Efficiency: 88 %            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: 32.0 + 85.0° / 77.0 + 125.0°            Efficiency: 89 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

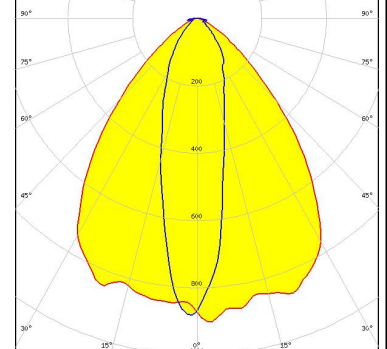
#### SAMSUNG

LED LM302B  
 FWHM / FWTM 82.0 + 28.0° / 128.0 + 78.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



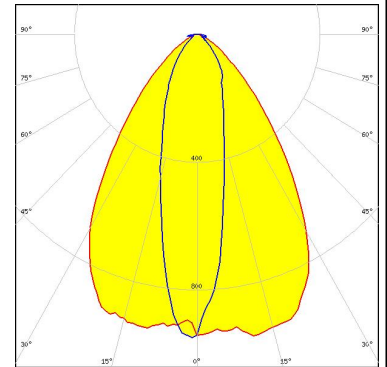
#### SAMSUNG

LED LM302Z  
 FWHM / FWTM 82.0 + 25.0° / 119.0 + 84.0°  
 Efficiency 88 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



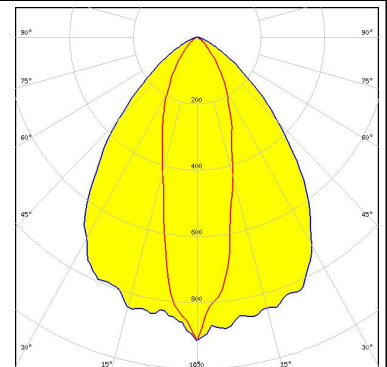
#### SAMSUNG

LED LM302Z  
 FWHM / FWTM 73.0 + 27.0° / 114.0 + 83.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:

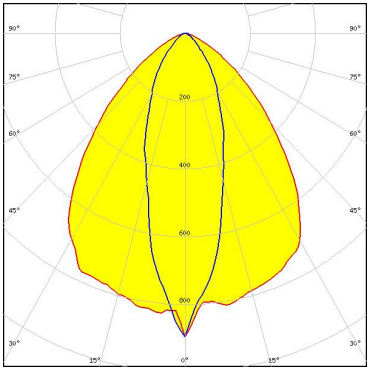
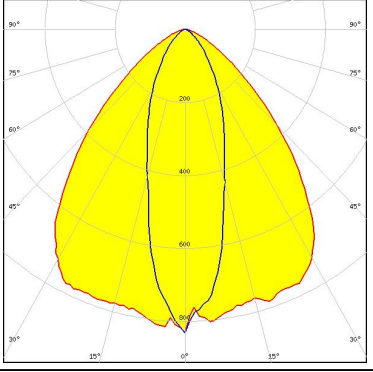
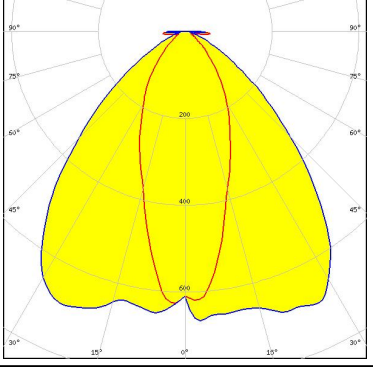


#### SAMSUNG

LED LM561B Plus  
 FWHM / FWTM 82.0 + 28.0° / 121.0 + 79.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

<p><b>SEOU</b> SEOU SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 84.0 + 30.0° / 125.0 + 85.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 0.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>SEOU</b> SEOU SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 87.0 + 31.0° / 125.0 + 84.0°</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>SEOU</b> SEOU SEMICONDUCTOR</p> <p>LED: Z8Y22</p> <p>FWHM / FWTM: 90.0 + 40.0° / 128.0 + 95.0°</p> <p>Efficiency: 92 %</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>SEOU</b> SEOU SEMICONDUCTOR</p> <p>LED: Z8Y22P</p> <p>FWHM / FWTM: 91.0 + 40.0° / 131.0 + 95.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 0.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	