

## VIRPI-S

~15° spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	74.9 mm
Height	9.5 mm
Fastening	glue, pin
ROHS compliant	yes 

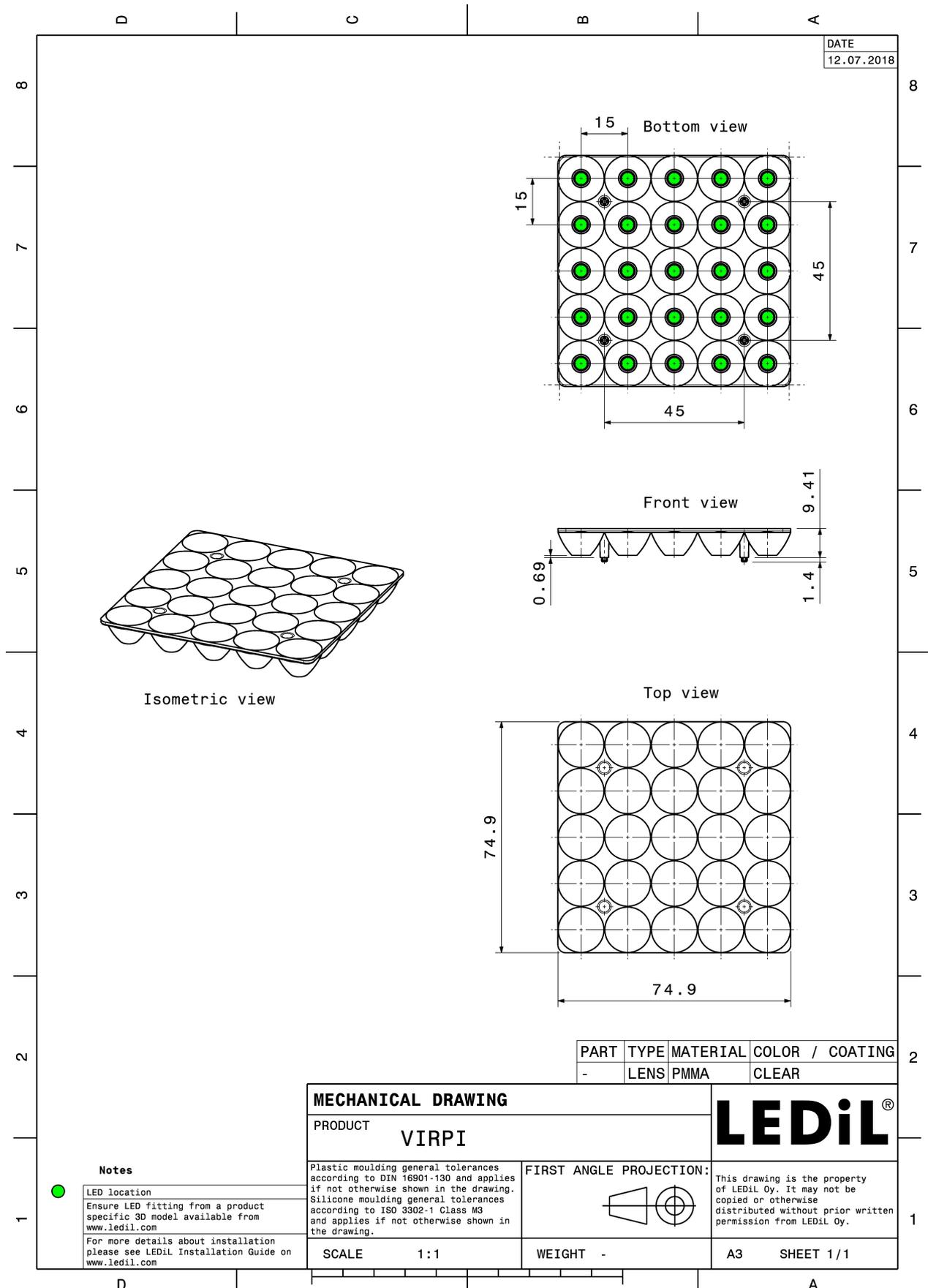
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VIRPI-S	Multi-lens	PMMA	clear	



### ORDERING INFORMATION:

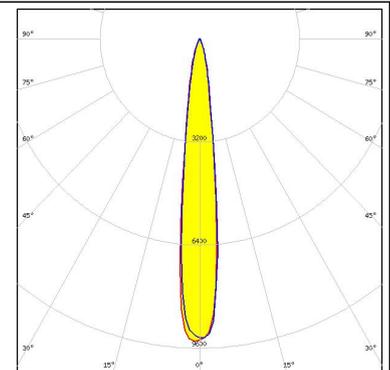
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12607_VIRPI-S » Box size: 480 x 280 x 300 mm	360	45	15	12.0



### PHOTOMETRIC DATA (MEASURED):

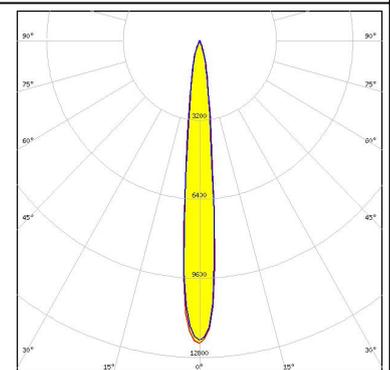
#### CREE

LED XB-D  
FWHM 13.0°  
Efficiency 92 %  
Peak intensity 9.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



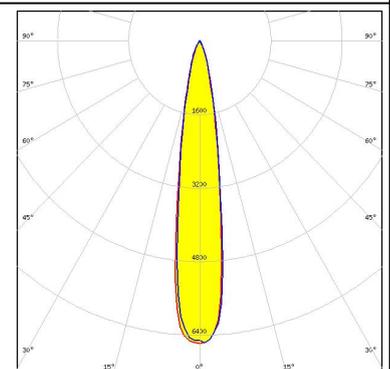
#### CREE

LED XP-E2  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 12.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



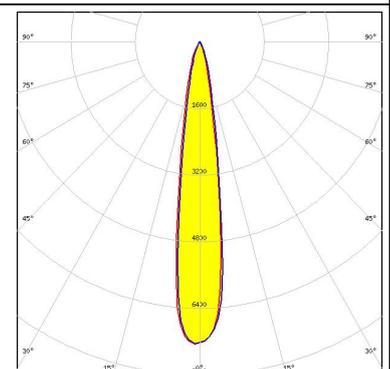
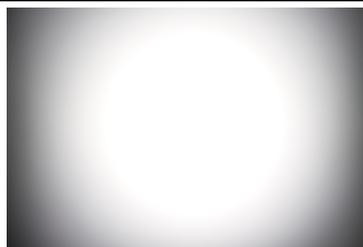
#### CREE

LED XP-G  
FWHM 16.0°  
Efficiency 94 %  
Peak intensity 6.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE

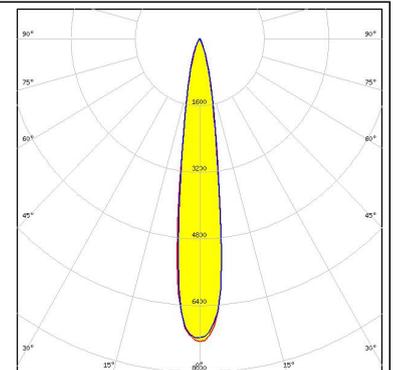
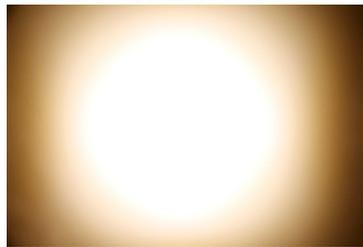
LED XP-G2  
FWHM 16.0°  
Efficiency 94 %  
Peak intensity 7.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



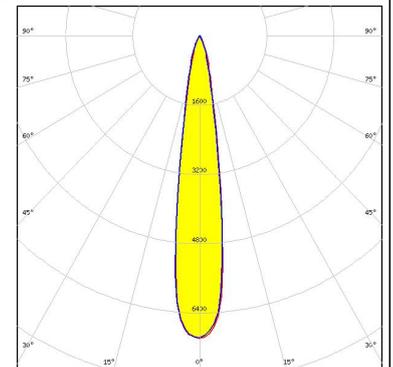
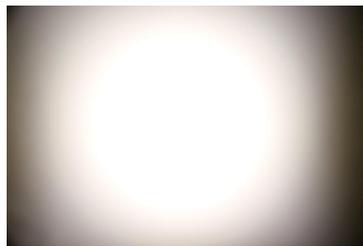
### PHOTOMETRIC DATA (MEASURED):



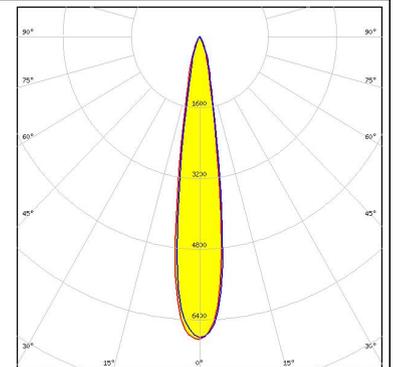
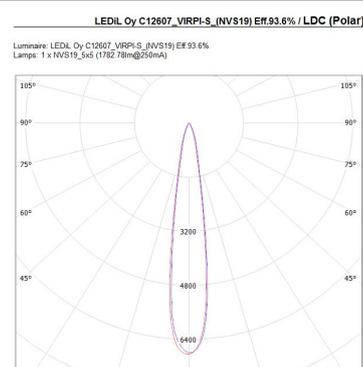
LED XT-E  
FWHM 15.0°  
Efficiency 94 %  
Peak intensity 7.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



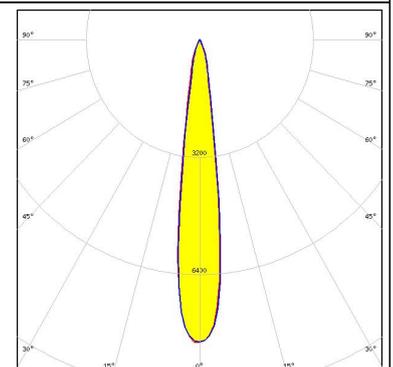
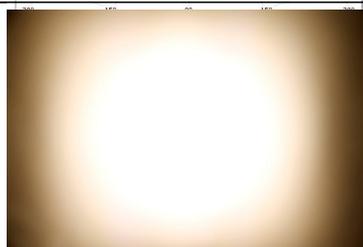
LED LUXEON Rebel ES  
FWHM 16.0°  
Efficiency 94 %  
Peak intensity 6.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19A  
FWHM 16.0°  
Efficiency 93 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



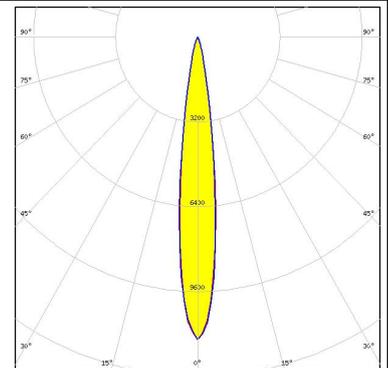
LED OSLOM Square EC  
FWHM 15.0°  
Efficiency 94 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



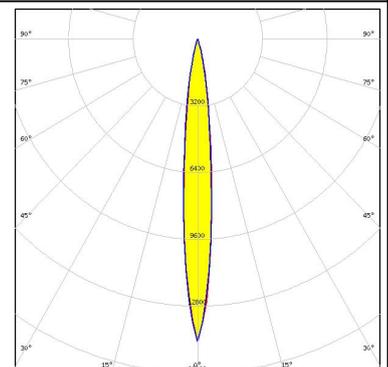
LED J Series 3030  
 FWHM 14.0°  
 Efficiency 95 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



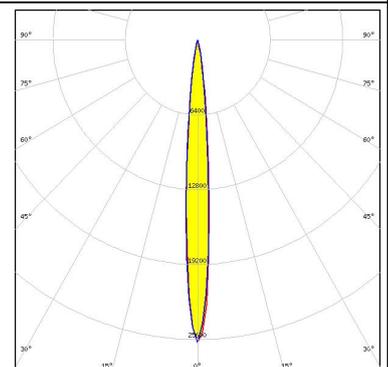
LED XD16  
 FWHM 14.0°  
 Efficiency 94 %  
 Peak intensity 9.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON C  
 FWHM 11.0°  
 Efficiency 86 %  
 Peak intensity 14.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CZ  
 FWHM 8.8°  
 Efficiency 94 %  
 Peak intensity 26 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

##### LUMILEDS

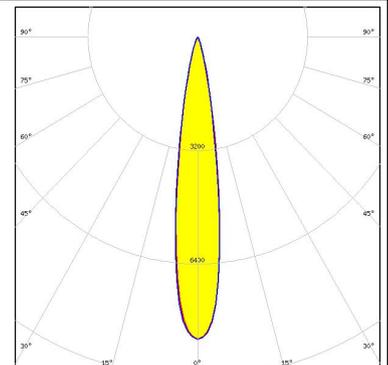
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM 13.0°  
 Efficiency 88 %  
 Peak intensity 15.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### LUMILEDS

LED LUXEON SunPlus 35 Line  
 FWHM 12.0°  
 Efficiency 94 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

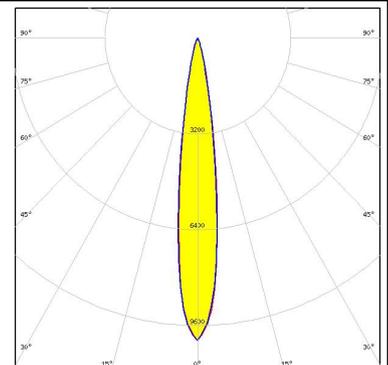
##### LUMILEDS

LED LUXEON T  
 FWHM 16.0°  
 Efficiency 93 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

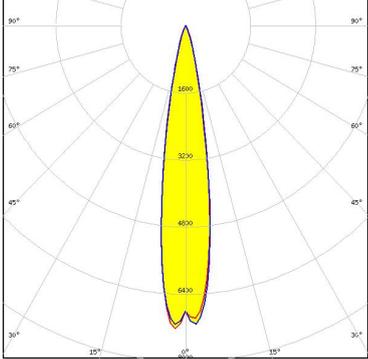
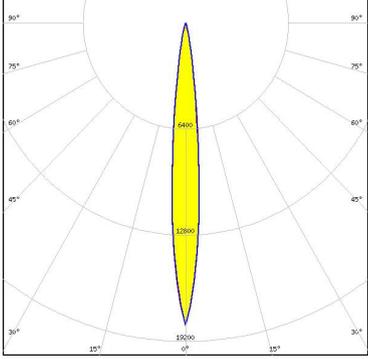
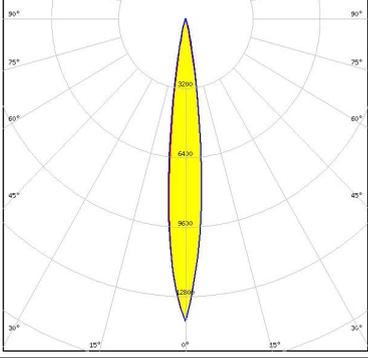


##### LUMILEDS

LED LUXEON TX  
 FWHM 15.0°  
 Efficiency 91 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



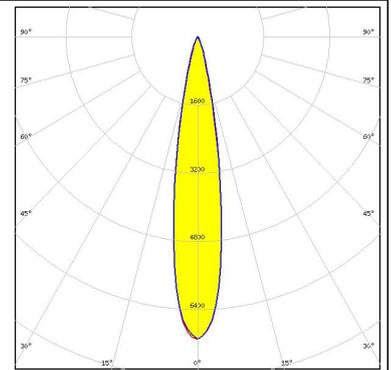
### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM: 18.0°            Efficiency: 94 %            Peak intensity: 7.3 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: 10.0°            Efficiency: 95 %            Peak intensity: 18.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SFH 4715AS            FWHM: 13.0°            Efficiency: 94 %            LEDs/each optic: 1            Light colour: IR            Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED: LH351B            FWHM: 17.0°            Efficiency: 97 %            Peak intensity: 7.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

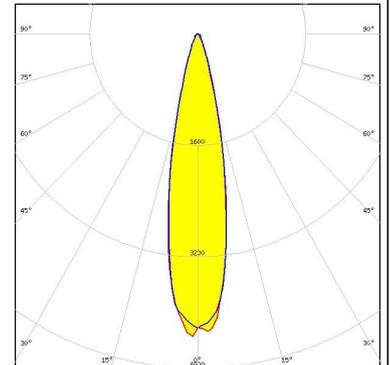
#### SAMSUNG

LED LH351C  
 FWHM 18.0°  
 Efficiency 97 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



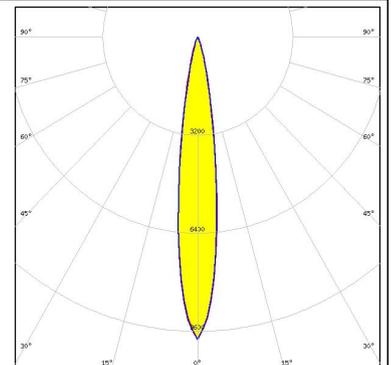
#### SAMSUNG

LED LH351D  
 FWHM 22.0°  
 Efficiency 96 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



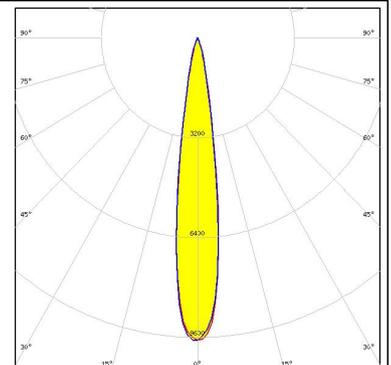
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
 FWHM 14.9°  
 Efficiency 94 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

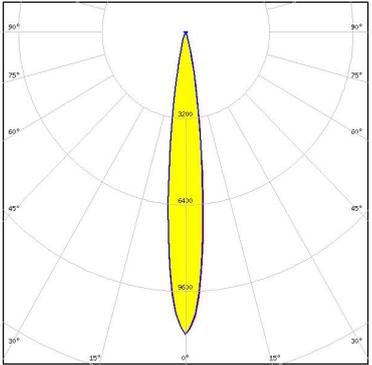
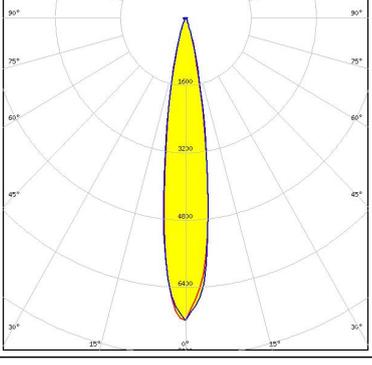


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
 FWHM 15.0°  
 Efficiency 98 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR		
LED	Z8Y19	
FWHM	14.0°	
Efficiency	94 %	
Peak intensity	11.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
 SEOUL SEMICONDUCTOR		
LED	Z8Y22	
FWHM	16.9°	
Efficiency	94 %	
Peak intensity	7.2 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:

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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
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