

## VERONICA-SQ-O

~55° + 12° oval beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

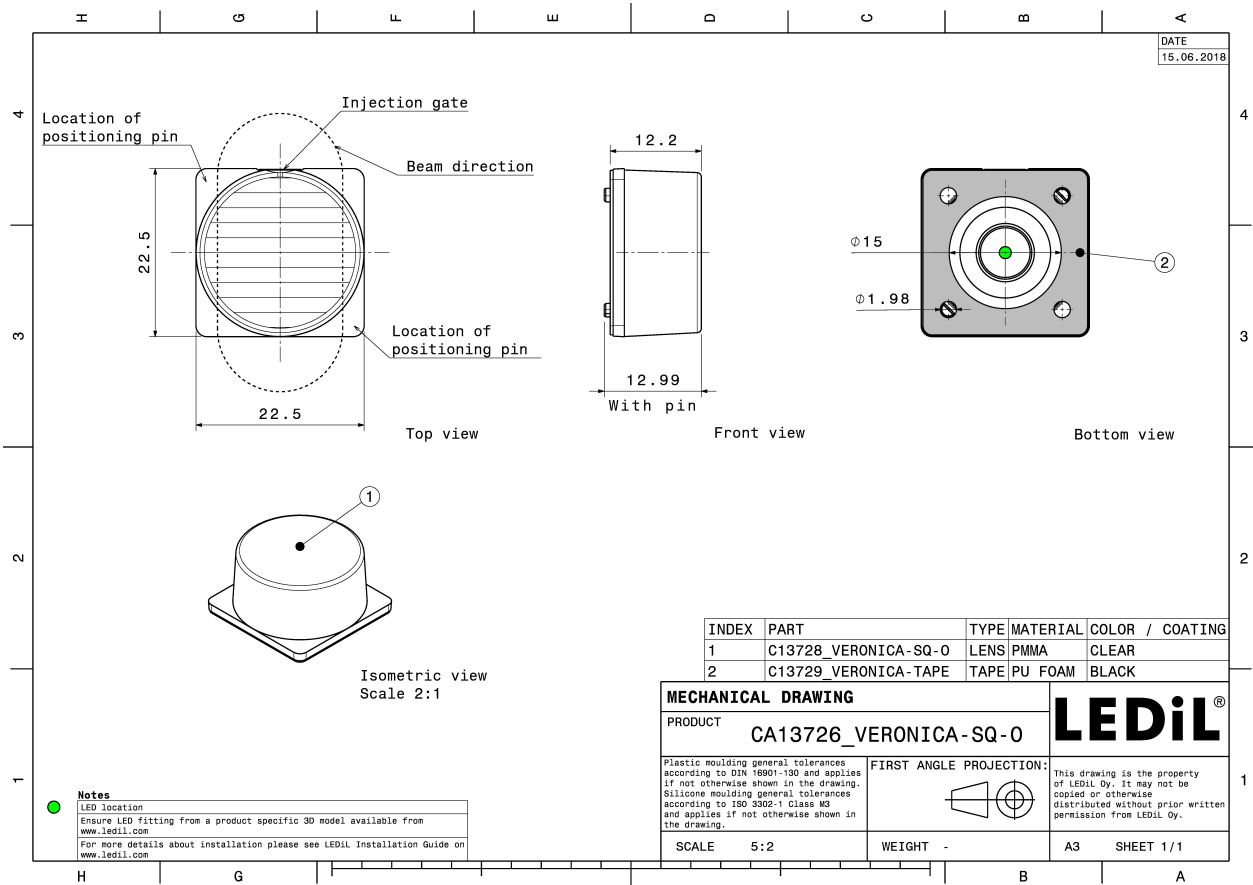
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VERONICA-SQ-O	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	PU tape	clear	



### ORDERING INFORMATION:

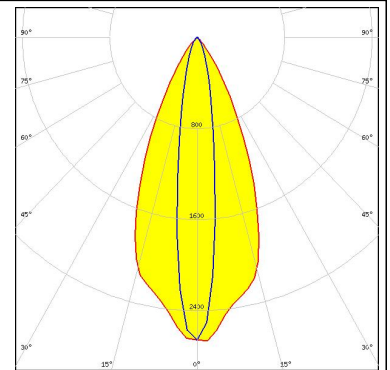
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13726_VERONICA-SQ-O	Single lens	1980	360	90	8.2
» Box size: 480 x 280 x 300 mm					



#### PHOTOMETRIC DATA (MEASURED):

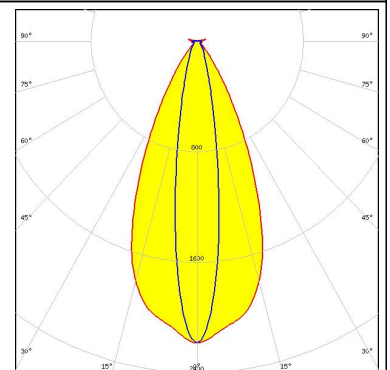
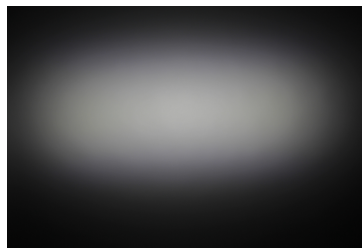
#### CREE

LED XB-H  
 FWHM 45.0 + 16.0°  
 Efficiency 77 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



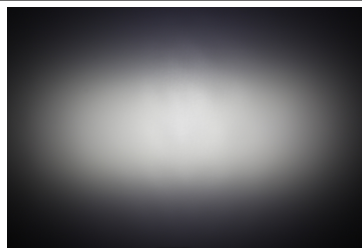
#### CREE

LED XD16  
 FWHM 47.0 + 17.0°  
 Efficiency 87 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED XHP35 HD  
 FWHM 45.0 + 20.0°  
 Efficiency 73 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

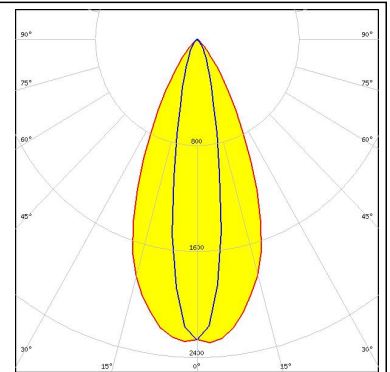
LED XHP35 HI  
 FWHM 46.0 + 16.0°  
 Efficiency 75 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

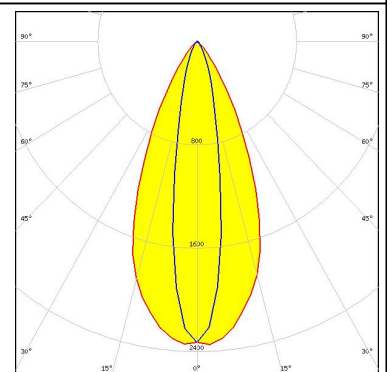
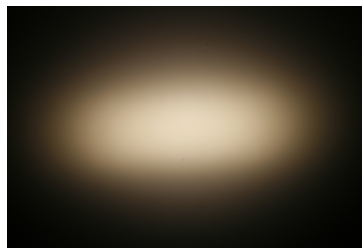
#### CREE

LED XM-L  
 FWHM 47.0 + 20.0°  
 Efficiency 80 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



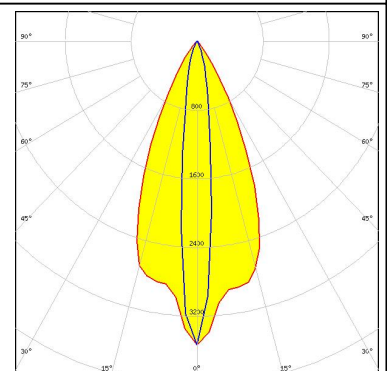
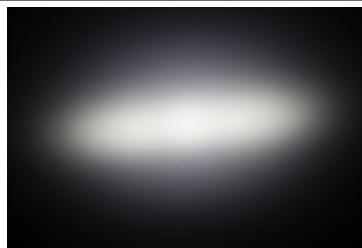
#### CREE

LED XM-L2  
 FWHM 47.0 + 20.0°  
 Efficiency 80 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



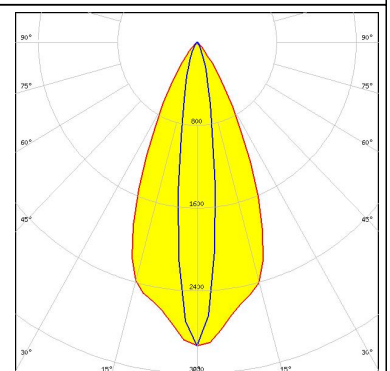
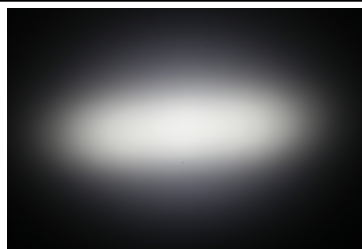
#### CREE

LED XP-E2  
 FWHM 46.0 + 12.0°  
 Efficiency 80 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED XP-G2  
 FWHM 47.0 + 14.0°  
 Efficiency 80 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

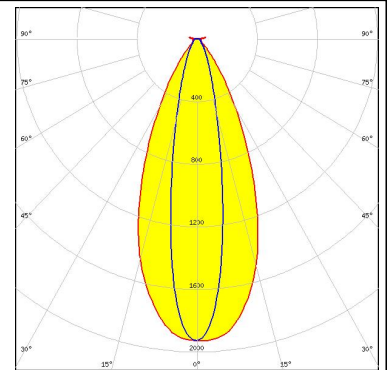
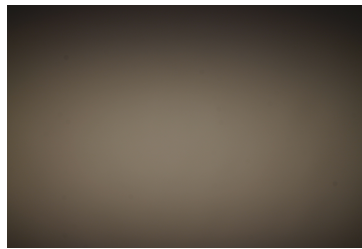




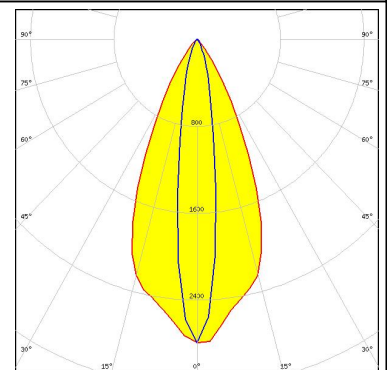
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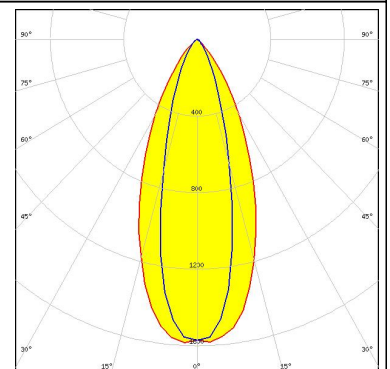
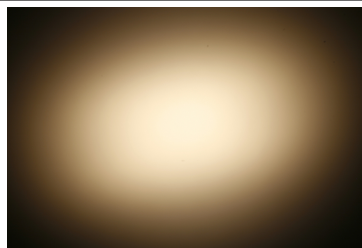
LED XP-L2  
 FWHM 45.0 + 20.0°  
 Efficiency 86 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



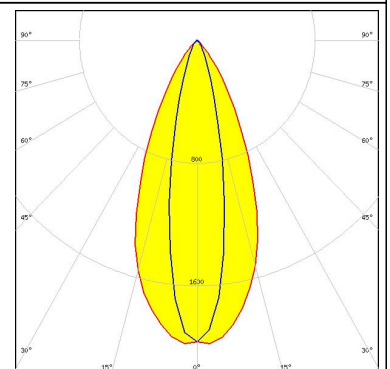
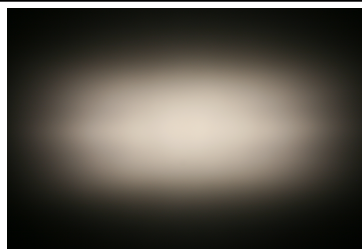
LED XT-E  
 FWHM 47.0 + 16.0°  
 Efficiency 79 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON M/MX  
 FWHM 45.0 + 28.0°  
 Efficiency 76 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



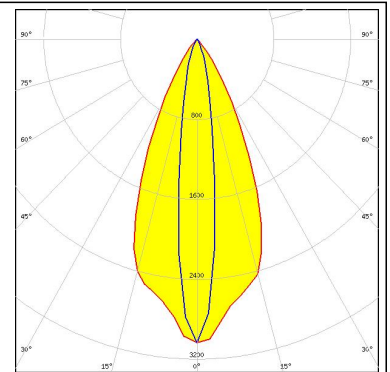
LED LUXEON MZ  
 FWHM 47.0 + 23.0°  
 Efficiency 73 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

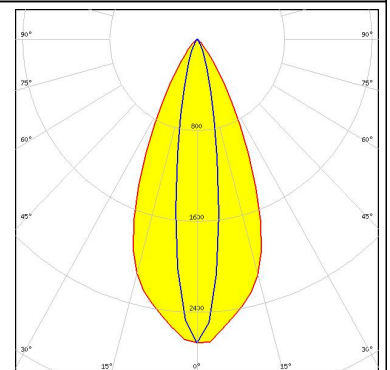
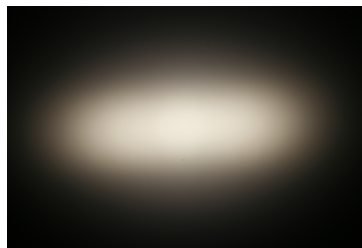
##### LUMILEDS

LED LUXEON Rebel  
 FWHM 47.0 + 15.0°  
 Efficiency 80 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



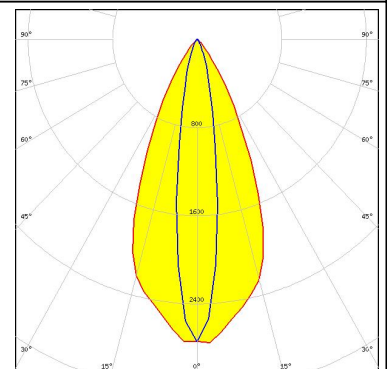
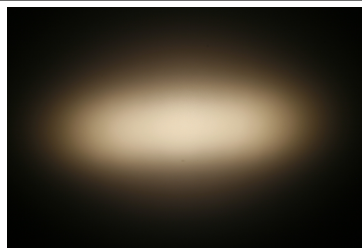
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 47.0 + 17.0°  
 Efficiency 80 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



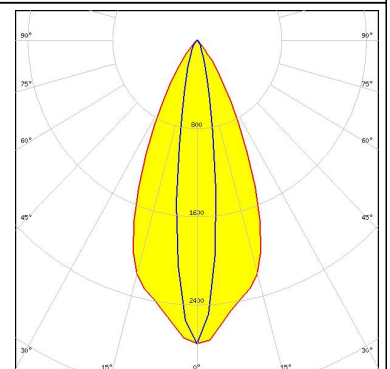
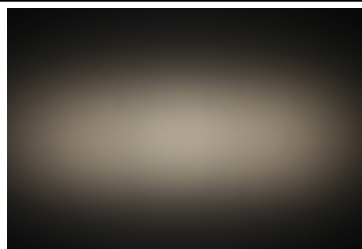
##### LUMILEDS

LED LUXEON T  
 FWHM 47.0 + 17.0°  
 Efficiency 80 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

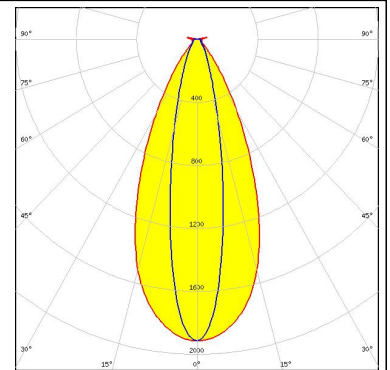
LED LUXEON TX  
 FWHM 46.0 + 16.0°  
 Efficiency 77 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

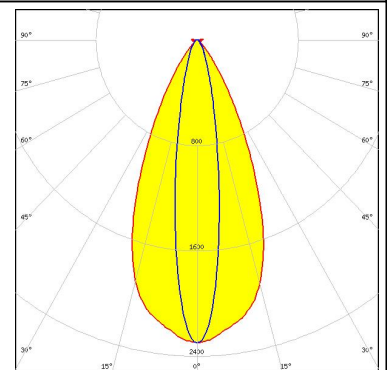
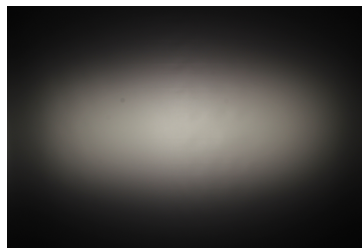
##### LUMILEDS

LED LUXEON V  
 FWHM 46.0 + 21.0°  
 Efficiency 88 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



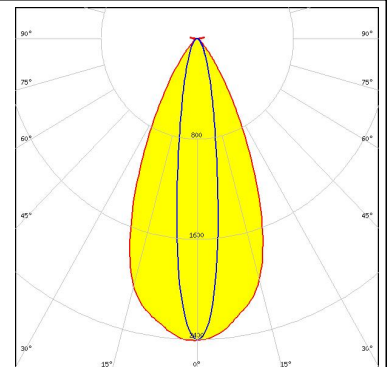
##### LUMILEDS

LED LUXEON V2  
 FWHM 47.0 + 17.0°  
 Efficiency 87 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



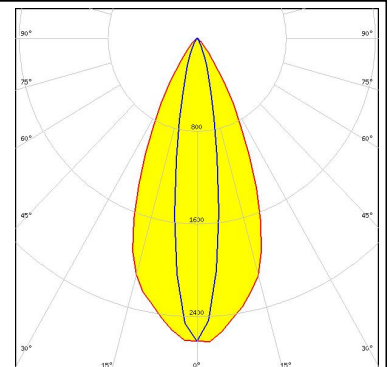
##### NICHIA

LED NVSW219F  
 FWHM 48.0 + 16.0°  
 Efficiency 88 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


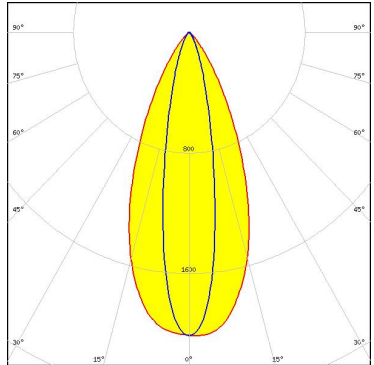

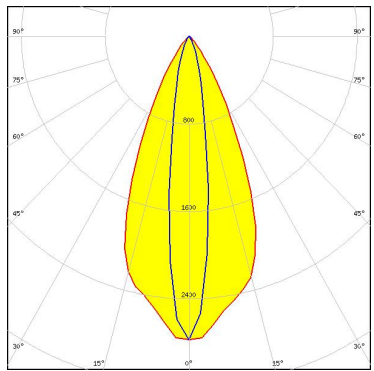
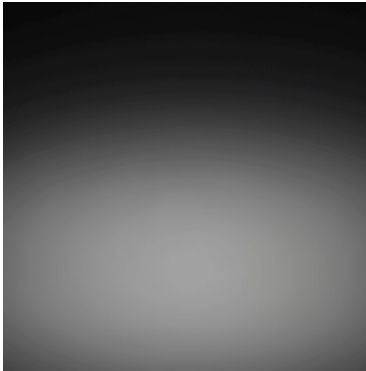
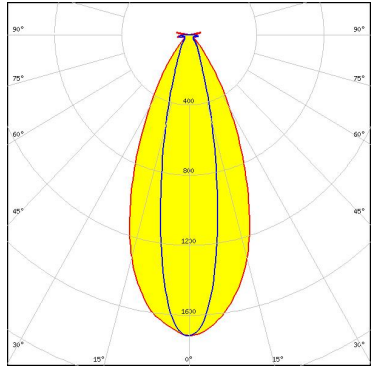
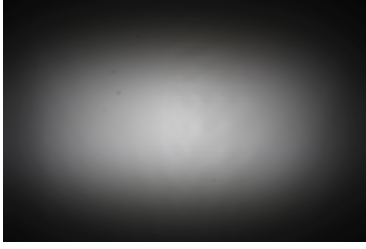
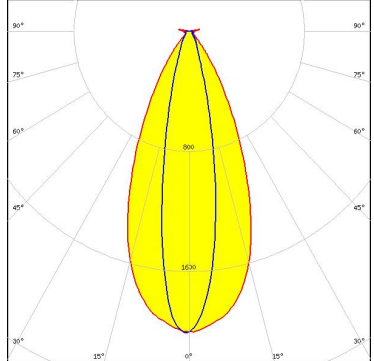


##### NICHIA

LED NVSxx19B/NVSxx19C  
 FWHM 47.0 + 18.0°  
 Efficiency 80 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

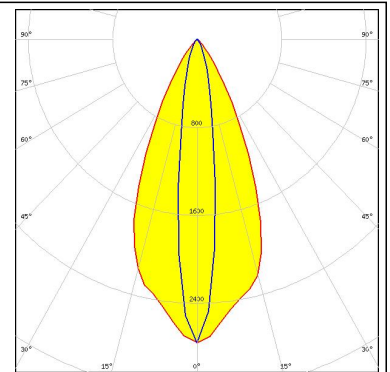
<p><b>NICHIA</b></p> <p>LED NWSx229A            FWHM 20.0 + 45.0°            Efficiency 74 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC            FWHM 47.0 + 17.0°            Efficiency 79 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH181A            FWHM 46.0 + 22.0°            Efficiency 85 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH181B            FWHM 46.0 + 21.0°            Efficiency 88 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		



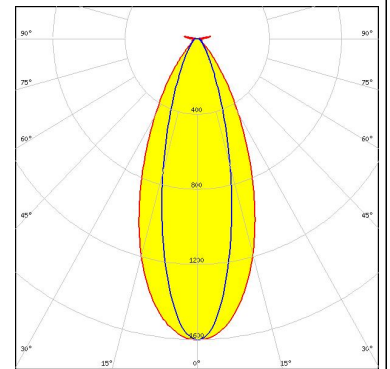
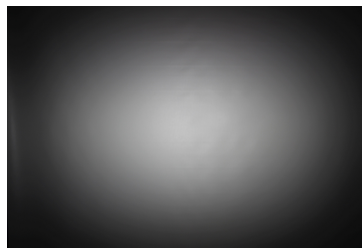
#### PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

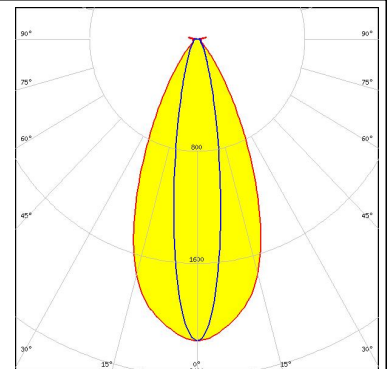
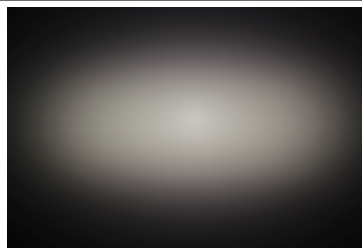
LED LH351Z  
 FWHM 47.0 + 15.0°  
 Efficiency 78 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



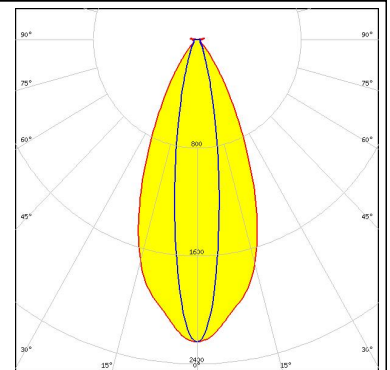
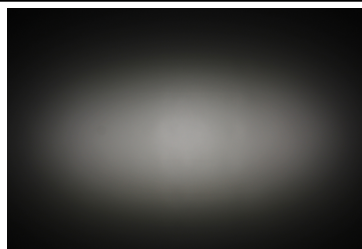
SEOUL SEMICONDUCTOR  
 LED MJT 5050  
 FWHM 45.0 + 28.0°  
 Efficiency 87 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED Z5M3  
 FWHM 47.0 + 18.0°  
 Efficiency 89 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED Z8Y22P  
 FWHM 45.0 + 18.0°  
 Efficiency 86 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

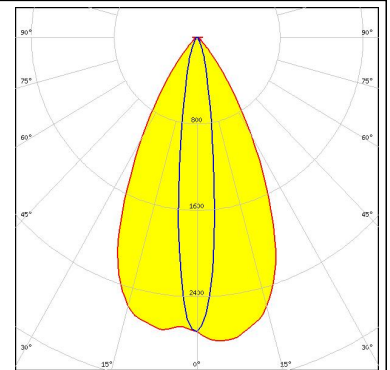




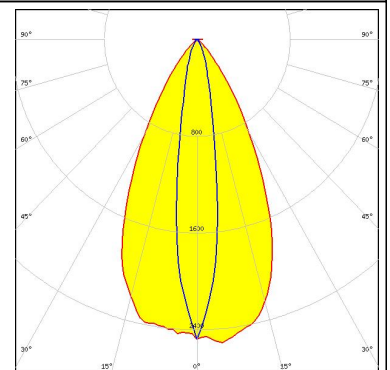
#### PHOTOMETRIC DATA (SIMULATED):



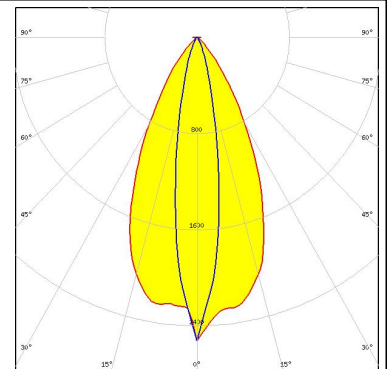
LED XP-G2 HE  
FWHM 54.0 + 14.0°  
Efficiency 92 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



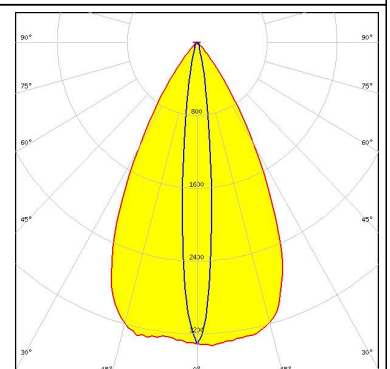
LED XP-L HD  
FWHM 53.0 + 16.0°  
Efficiency 86 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



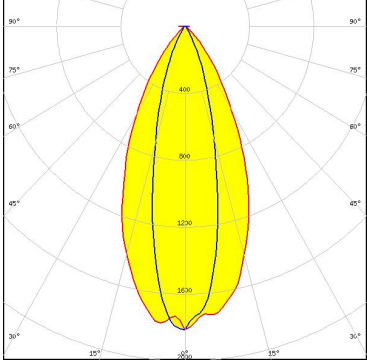
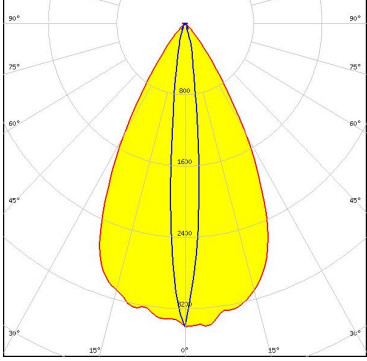
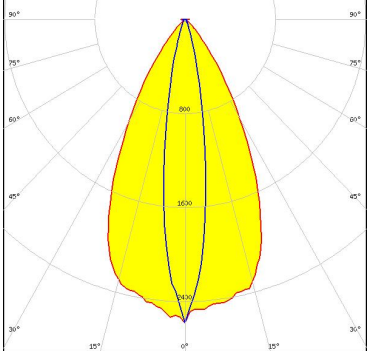
LED NV4WB35AM  
FWHM 50.0 + 18.0°  
Efficiency 88 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ P 3030  
FWHM 56.0 + 12.0°  
Efficiency 88 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 7070            FWHM: 49.0 + 25.0°            Efficiency: 84 %            Peak intensity: 1.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON Square CSSRM2/CSSRM3            FWHM: 56.0 + 12.0°            Efficiency: 88 %            Peak intensity: 3.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22T            FWHM: 54.0 + 16.0°            Efficiency: 89 %            Peak intensity: 2.6 cd/lm            LEDs/each optic: 1            Light colour: White            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.

### 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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#### LEDiL Oy

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USA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)



## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

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