

### HB-IP-2X6-G2-WWW

~90° wide beam

#### SPECIFICATION:

Dimensions	172.0 x 71.0
Height	8.2 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

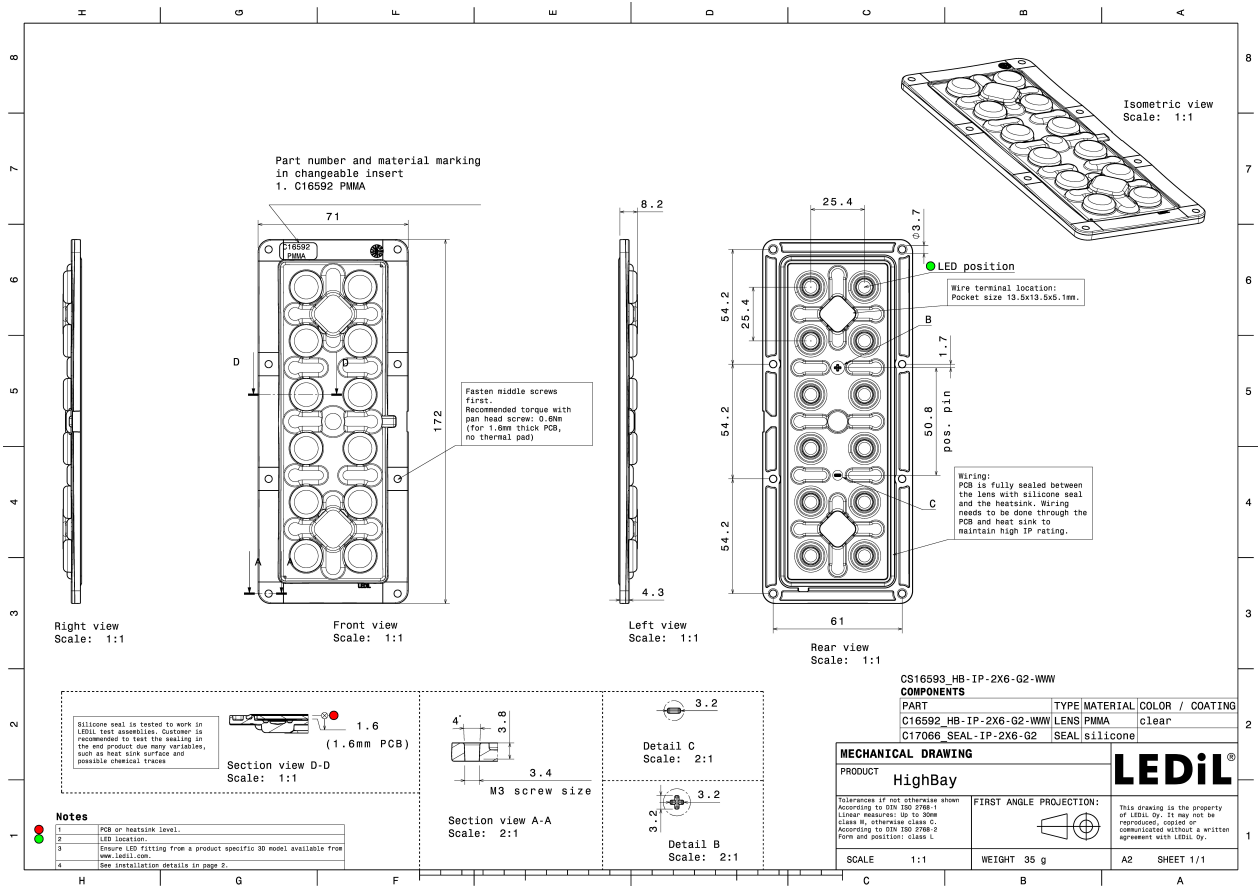
#### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HB-IP-2X6-G2-WWW	Multi-lens	PMMA	clear		
SEAL-IP-2X6-G2	Seal	Silicone	white		



#### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS16593_HB-IP-2X6-G2-WWW » Box size: 476 x 273 x 247 mm	132	44	44	5.8

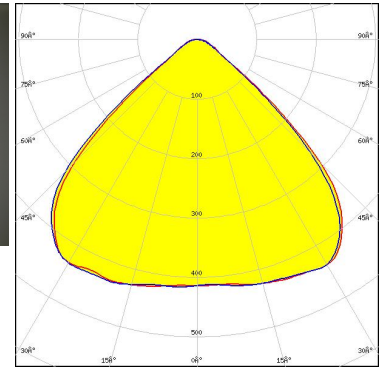


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



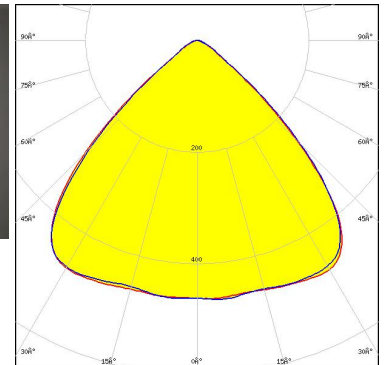
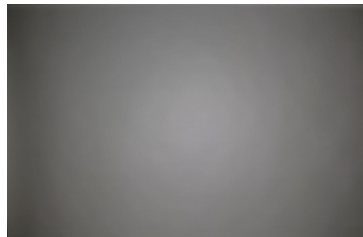
LED XP-L2  
 FWHM / FWTM 96.0° / 118.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



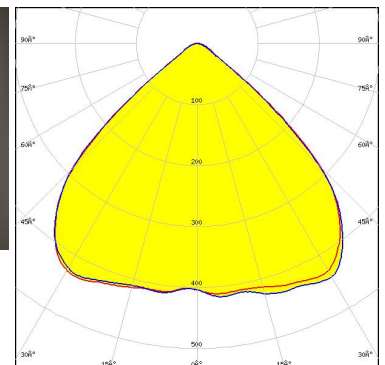
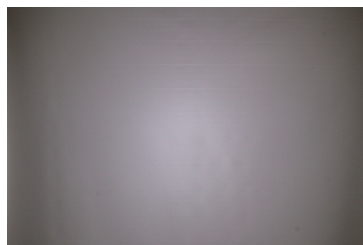
LED LUXEON 5050 Round LES  
 FWHM / FWTM 92.0° / 112.0 + 112.5°  
 Efficiency 97 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW519A  
 FWHM / FWTM 96.0° / 113.0°  
 Efficiency 95 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

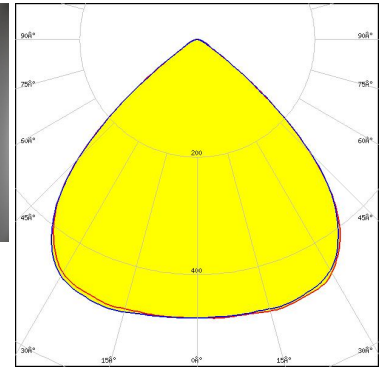
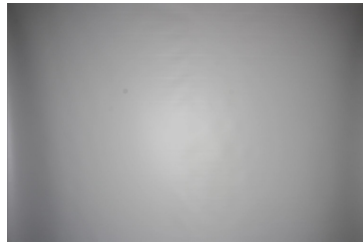


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OPTOGAN**

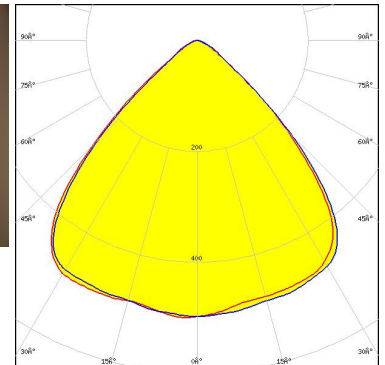
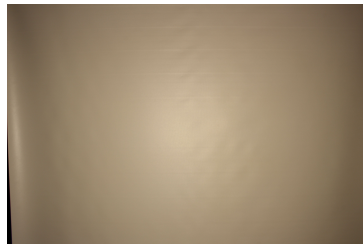
LED OLP-5065F6L-06A  
 FWHM / FWTM 93.5° / 112.0 + 112.5°  
 Efficiency 97 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

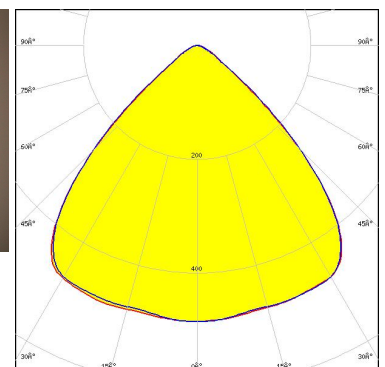
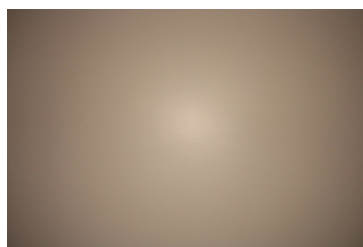
LED Duris S8  
 FWHM / FWTM 90.0° / 113.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**SAMSUNG**

LED HiLOM RM12 ZP (LH502C)  
 FWHM / FWTM 91.0° / 113.0°  
 Efficiency 96 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

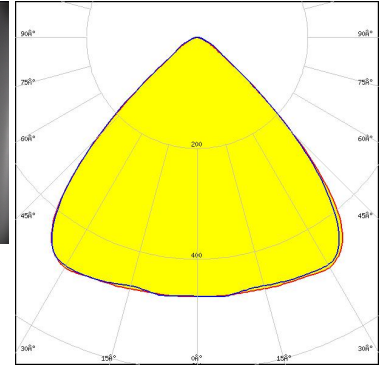
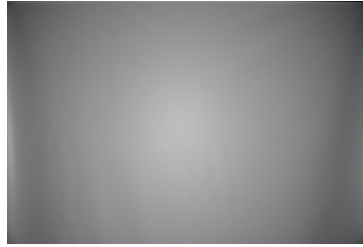


Light distribution files

#### OPTICAL RESULTS (MEASURED):



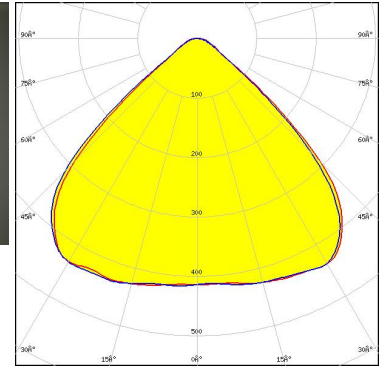
LED BALAM-VP-5250-750-36  
 FWHM / FWTM 91.0° / 113.0°  
 Efficiency 96 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



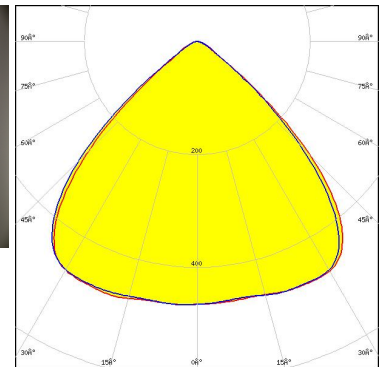
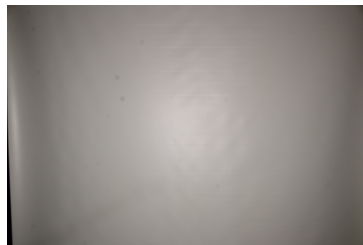
LED ROY-S26XPL2 (XP-L2)  
 FWHM / FWTM 96.0° / 118.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED 2x6 5050 module - SMJD-3625012F-XX  
 FWHM / FWTM 93.0° / 113.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

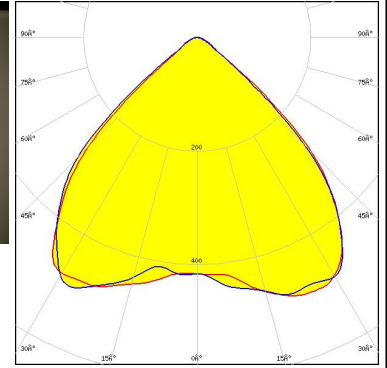


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

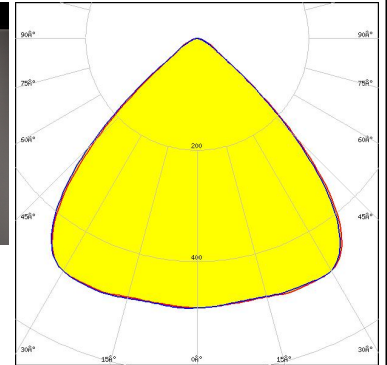
LED RLE 2x6 3000lm HP EXC2 OTD  
FWHM / FWTM 95.0° / 111.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### TRIDONIC

LED RLE 2x6 4500lm HP HE EXC3 OTD Z19  
FWHM / FWTM 91.0° / 111.0°  
Efficiency 97 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

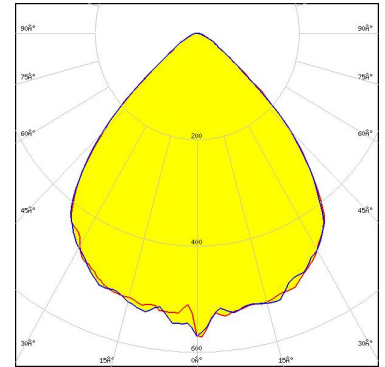


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



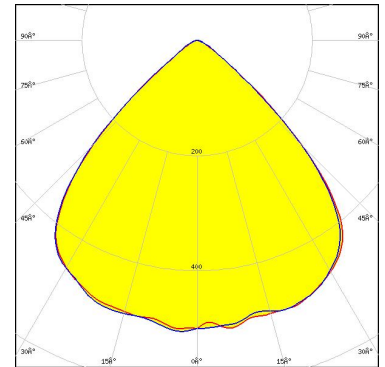
**LED** Bridgelux SMD 5050  
**FWHM / FWTM** 87.4° / 114.0°  
**Efficiency** 96 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



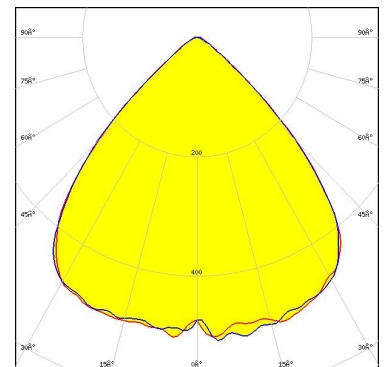
**LED** J Series 5050 Round LES  
**FWHM / FWTM** 90.0° / 110.0°  
**Efficiency** 95 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** J Series 5050B 6V K Class  
**FWHM / FWTM** 90.0° / 111.0°  
**Efficiency** 94 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

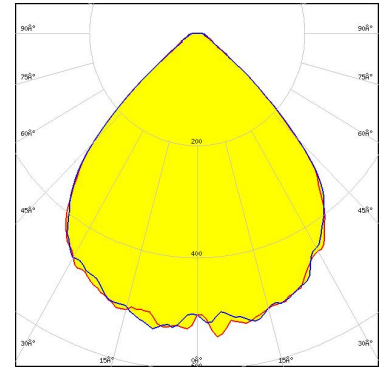


Light distribution files

### OPTICAL RESULTS (SIMULATED):



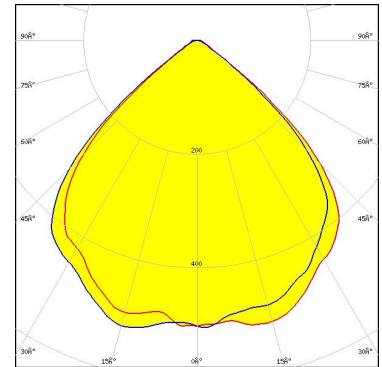
LED MHB-A/B  
FWHM / FWTM 89.2° / 113.0°  
Efficiency 96 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



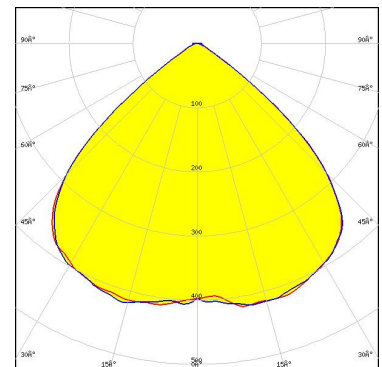
LED XP-G2  
FWHM / FWTM 93.0° / 112.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2 HE  
FWHM / FWTM 98.0° / 116.0°  
Efficiency 91 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



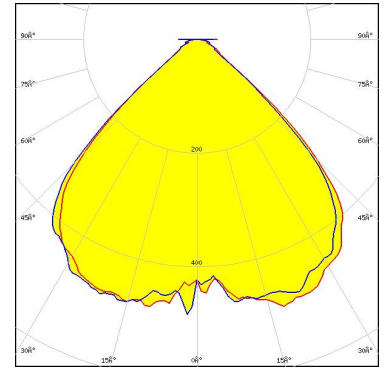
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



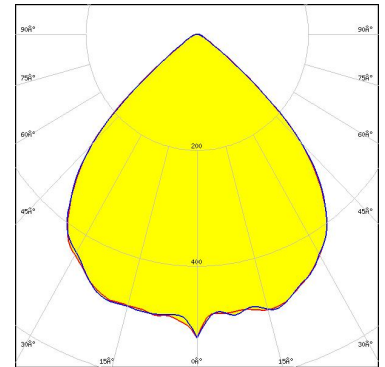
LED XP-G3  
FWHM / FWTM 92.8° / 112.5°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



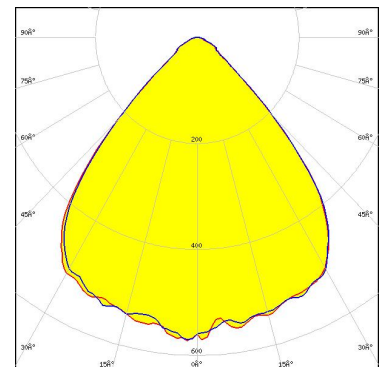
LED PrevaLED Brick HP IP 2x6  
FWHM / FWTM 90.0° / 110.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Round LES  
FWHM / FWTM 85.2° / 109.0°  
Efficiency 96 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

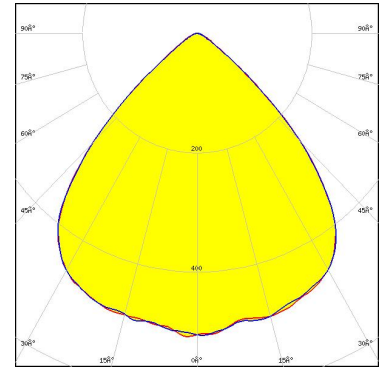


Light distribution files

### OPTICAL RESULTS (SIMULATED):



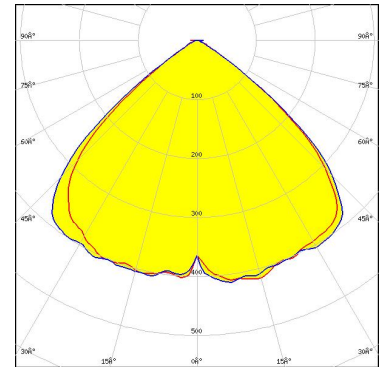
LED LUXEON 5050 Square LES  
FWHM / FWTM 90.0° / 112.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



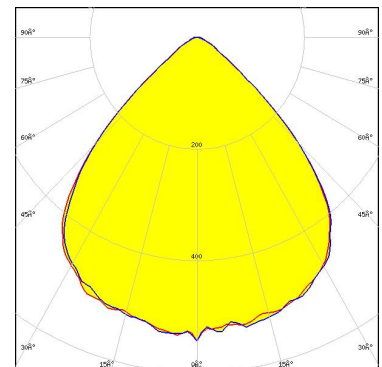
LED NF3W585AR  
FWHM / FWTM 99.0 + 102.0° / 117.0 + 118.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NFMW48xA  
FWHM / FWTM 88.8° / 113.0°  
Efficiency 96 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

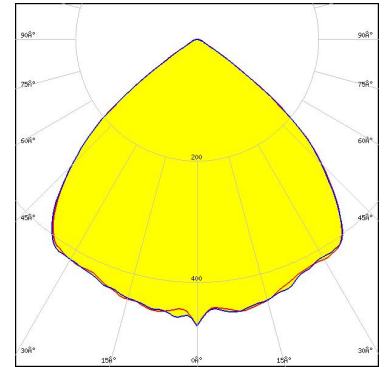


Light distribution files

### OPTICAL RESULTS (SIMULATED):



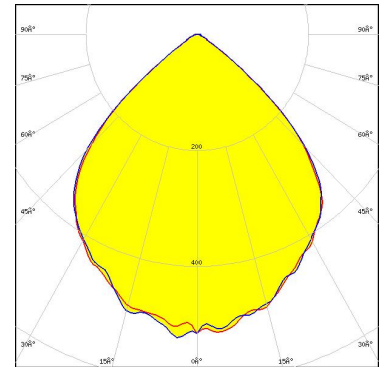
LED NV4WB35AM  
FWHM / FWTM 97.0° / 114.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



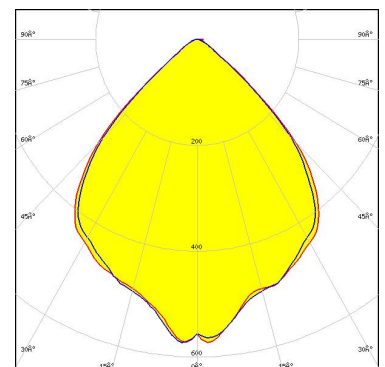
LED NVSxE21A  
FWHM / FWTM 92.0° / 112.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSCONIQ P 3030  
FWHM / FWTM 88.0° / 110.0°  
Efficiency 95 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

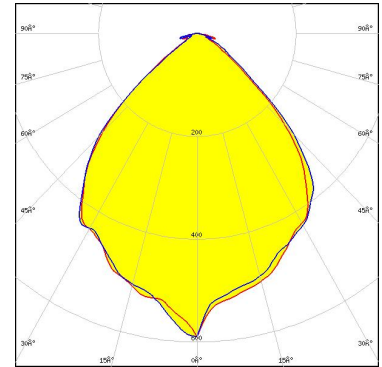


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

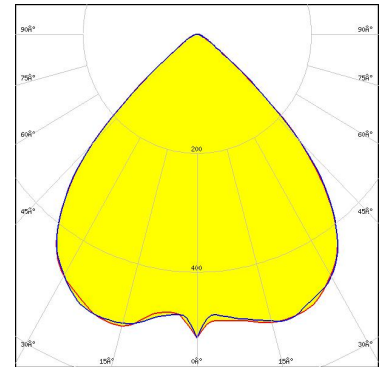
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 87.0° / 115.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

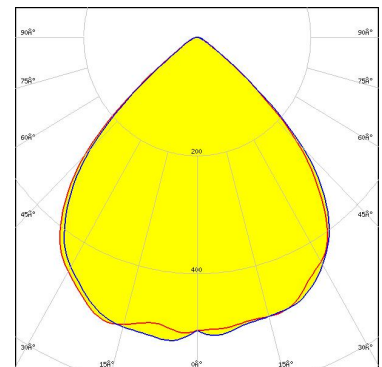
LED OSCONIQ P 3737 Flat  
FWHM / FWTM 90.0° / 110.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3  
FWHM / FWTM 90.0° / 111.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

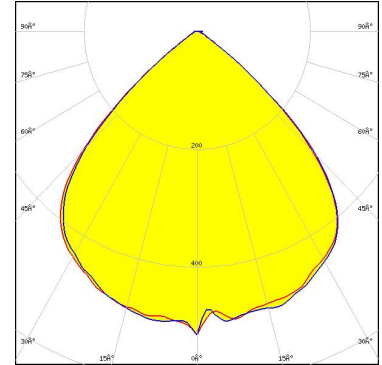


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

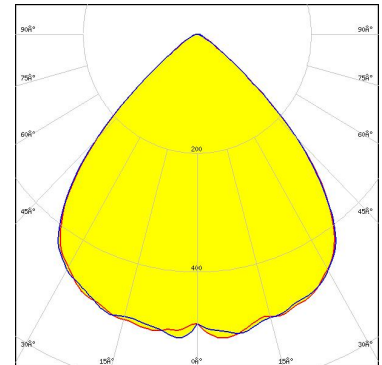
LED LH351B  
FWHM / FWTM 93.0° / 112.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

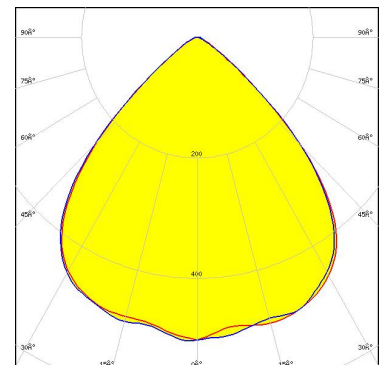
LED LH502C  
FWHM / FWTM 90.0° / 112.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

LED LH508B  
FWHM / FWTM 90.0° / 113.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

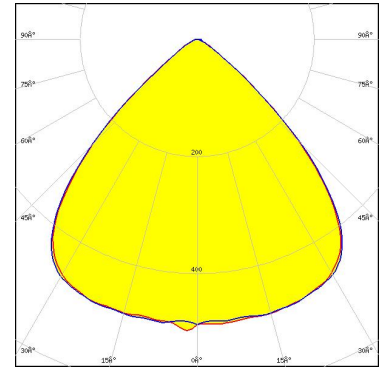


Light distribution files

### OPTICAL RESULTS (SIMULATED):



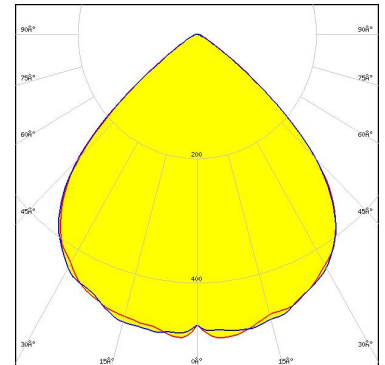
LED BALAM-VP-5250-750-36  
FWHM / FWTM 90.0° / 111.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



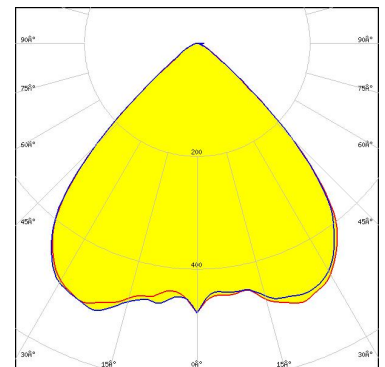
LED SEOUL DC 5050 6V  
FWHM / FWTM 94.0° / 114.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z8Y22T  
FWHM / FWTM 89.0° / 109.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### 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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Shenzhen 518057  
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[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

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