

HB-IP-2X6-RS-PC

~20° spot beam. Variant made from PC.

SPECIFICATION:

Dimensions	173.0 x 71.4
Height	11.4 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

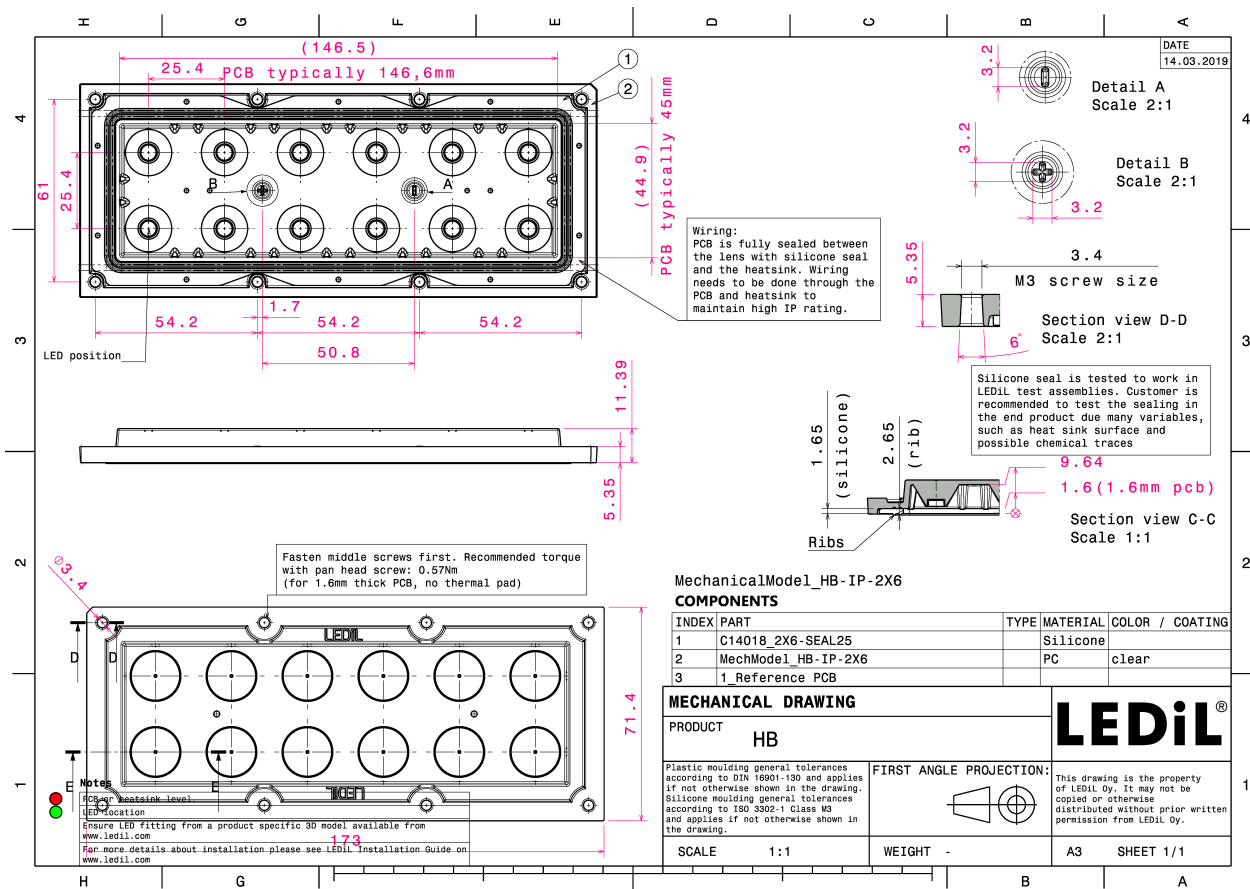
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HB-IP-2X6-RS-PC	Multi-lens	PC	clear		
2X6-SEAL25	Seal	Silicone	white		



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS17088_HB-IP-2X6-RS-PC	Multi-lens	120	40	40	8.1
» Box size: 476 x 273 x 247 mm					

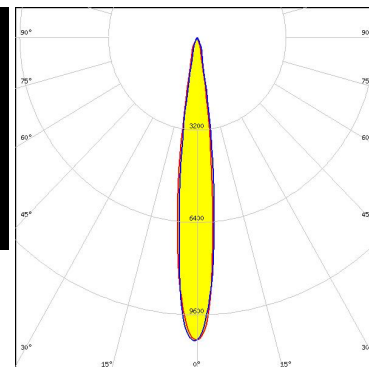


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



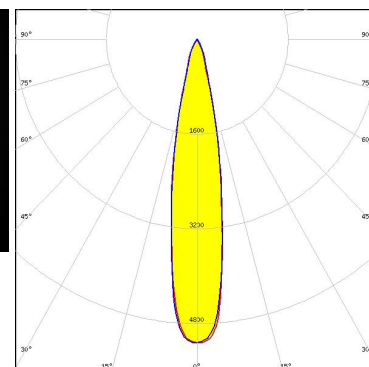
LED XP-G2
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 89 %
 Peak intensity 10.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 89 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

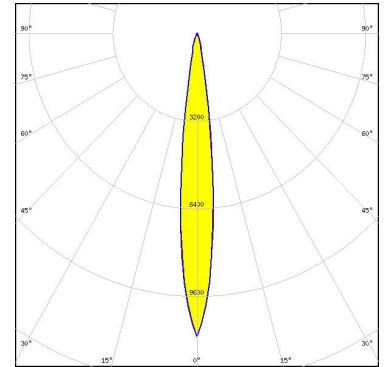


Light distribution files

OPTICAL RESULTS (SIMULATED):



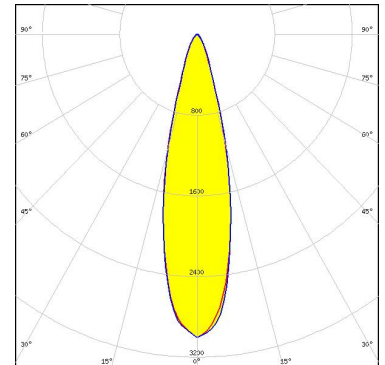
LED XD16
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 86 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



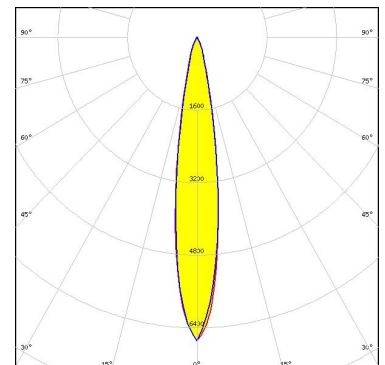
LED XHP35.2 HD
 FWHM / FWTM 26.0° / 49.0°
 Efficiency 85 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 87 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

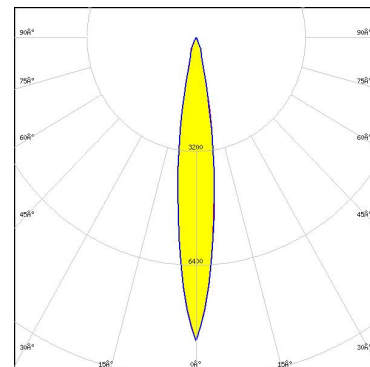


Light distribution files

OPTICAL RESULTS (SIMULATED):



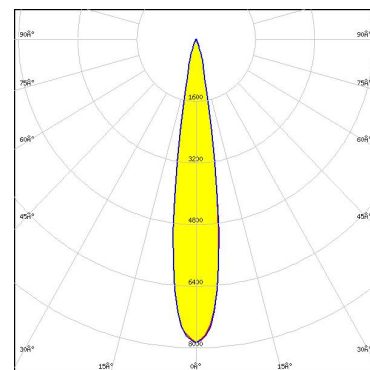
LED XP-G4
FWHM / FWTM 14.0° / 30.0°
Efficiency 86 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



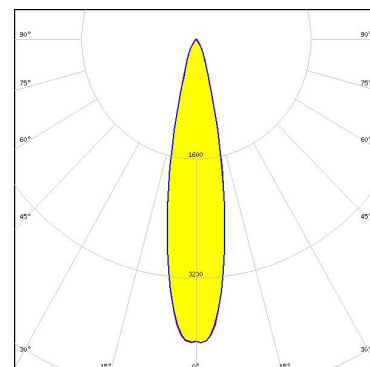
LED XP-G4 HI
FWHM / FWTM 16.0° / 30.0°
Efficiency 86 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-L2
FWHM / FWTM 22.0° / 42.0°
Efficiency 86 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

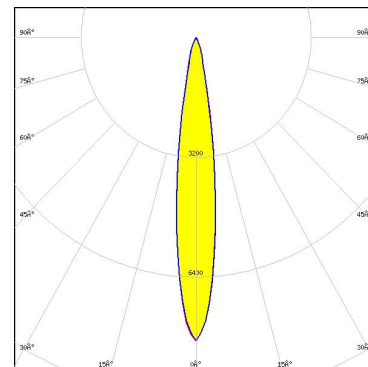


Light distribution files

OPTICAL RESULTS (SIMULATED):

inventronics

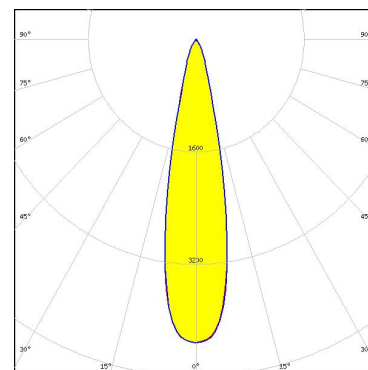
LED	PrevaLED Brick HP IP 2x6
FWHM / FWTM	16.0° / 30.0°
Efficiency	87 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	22.0° / 40.0°
Efficiency	87 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

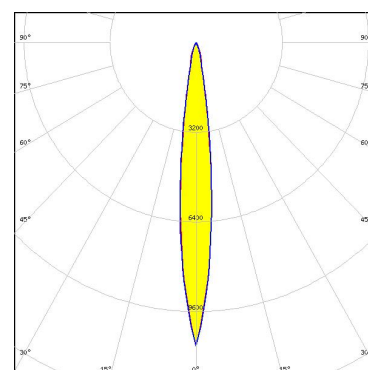


Light distribution files

OSRAM

Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	12.0° / 25.0°
Efficiency	87 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

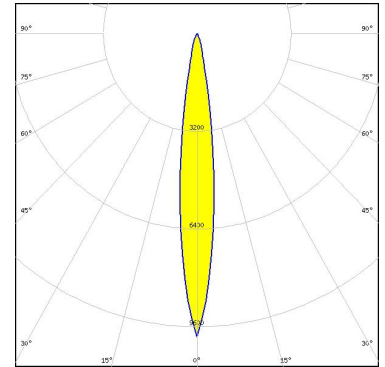


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

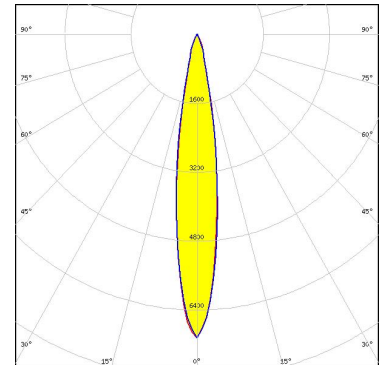
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 14.0° / 28.0°
Efficiency 87 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

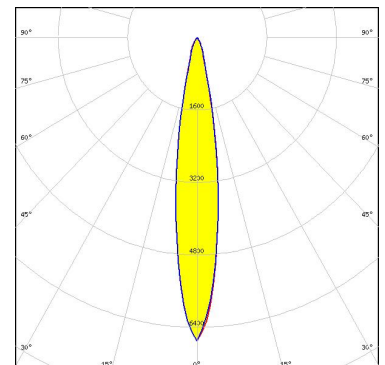
LED LH351B
FWHM / FWTM 16.0° / 32.0°
Efficiency 87 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

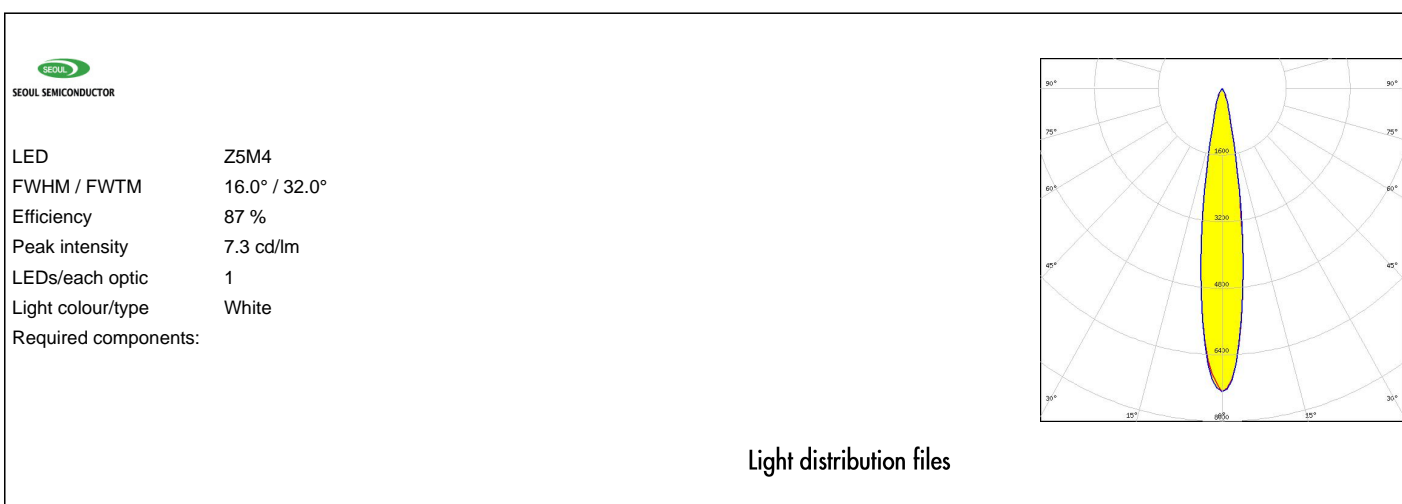
SAMSUNG

LED LH351C
FWHM / FWTM 17.0° / 33.0°
Efficiency 88 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 7
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

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)