

## 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 ⓘ

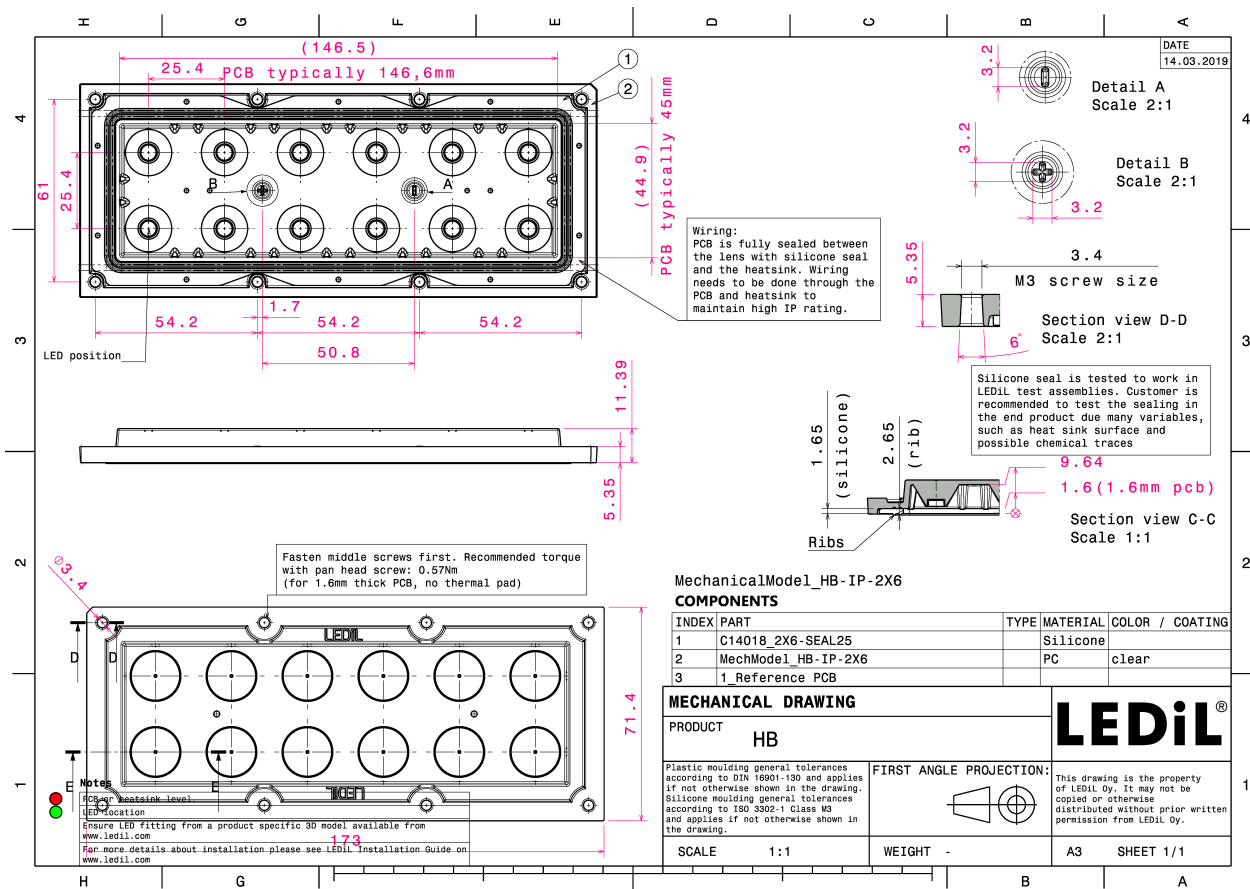
## MATERIALS:

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					

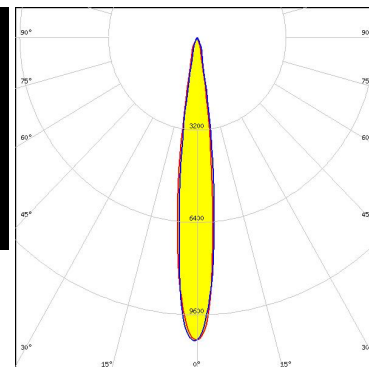


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



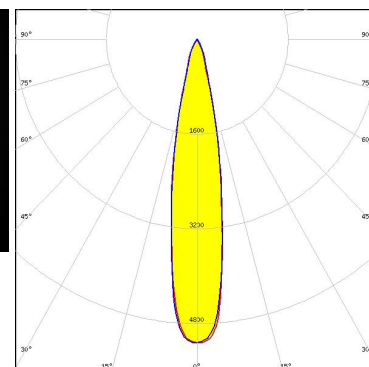
LED XP-G2  
 FWHM / FWTM 14.0° / 25.0°  
 Efficiency 89 %  
 Peak intensity 10.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

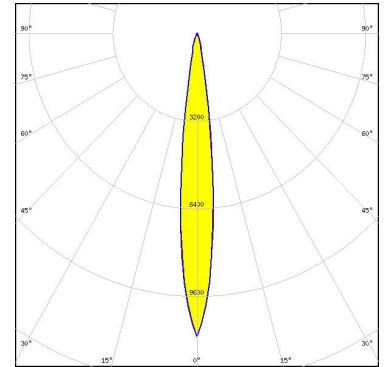


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



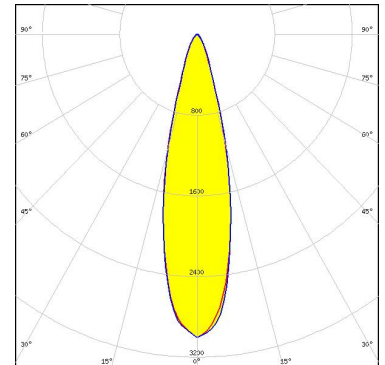
LED XD16  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 86 %  
Peak intensity 11.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



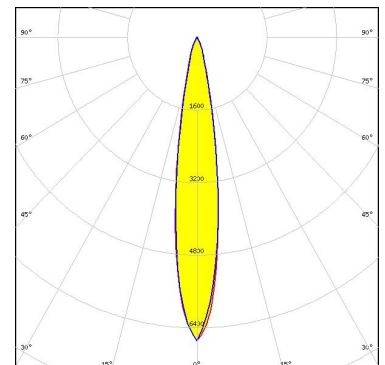
LED XHP35.2 HD  
FWHM / FWTM 26.0° / 49.0°  
Efficiency 85 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:



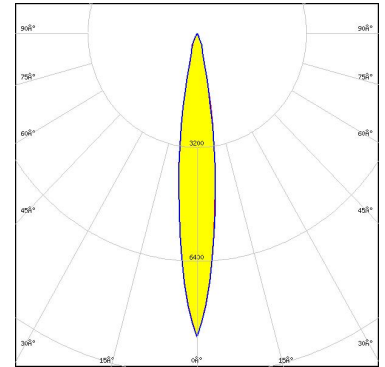
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



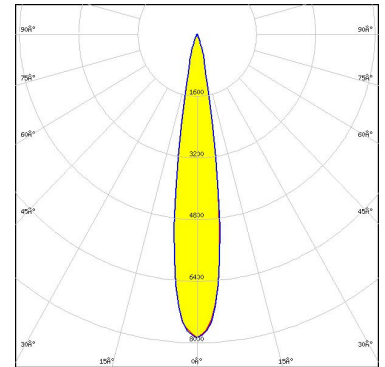
LED XP-G4  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



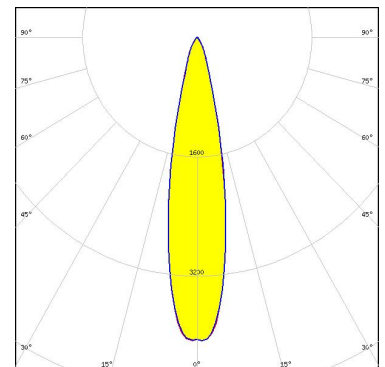
LED XP-G4 HI  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

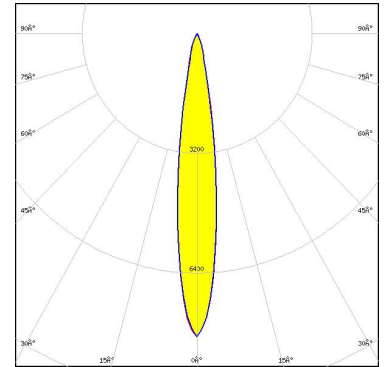


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

##### inventronics

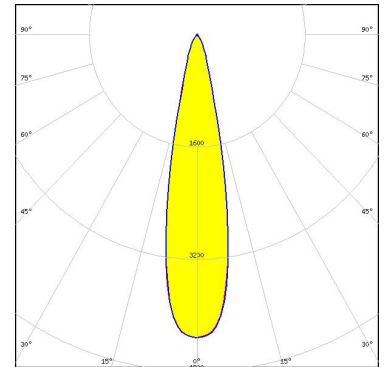
LED	PrevaLED Brick HP IP 2x6
FWHM / FWTM	16.0° / 30.0°
Efficiency	87 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

##### NICHIA

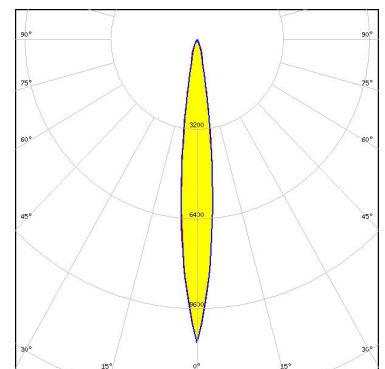
LED	NV4WB35AM
FWHM / FWTM	22.0° / 40.0°
Efficiency	87 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

##### OSRAM

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:	

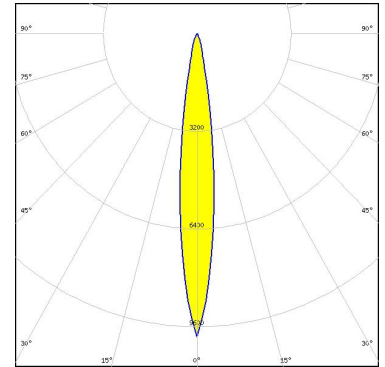


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

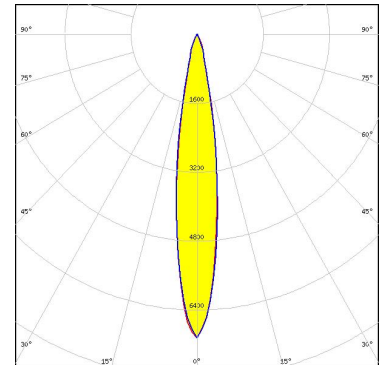
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 9.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

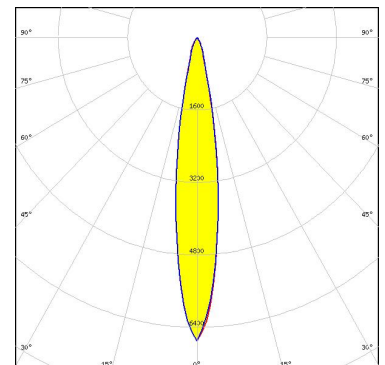
LED LH351B  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 87 %  
Peak intensity 7.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

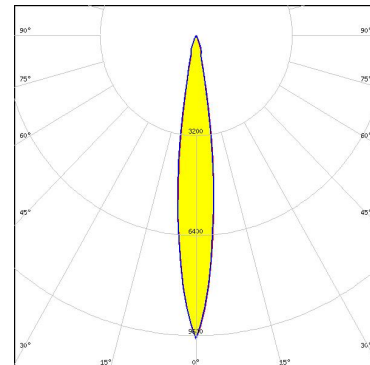


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



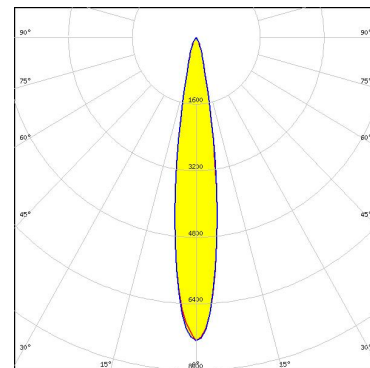
LED Z5M1/Z5M2  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



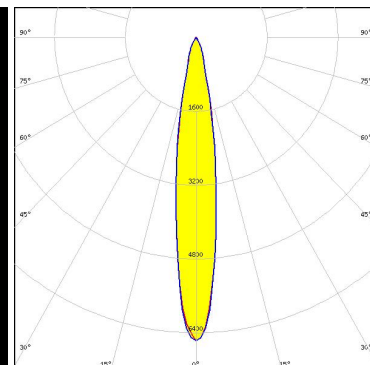
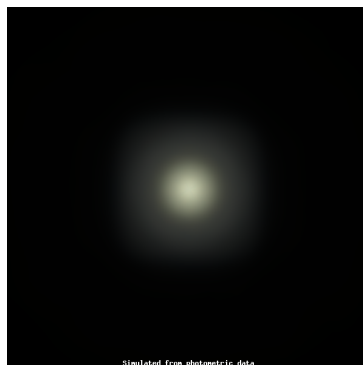
LED Z5M4  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z5M4-E1  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 88 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

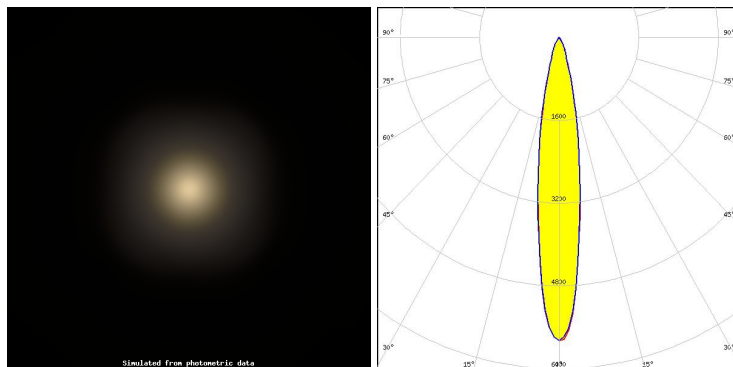


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED	Z5M4-E2
FWHM / FWTM	16.0° / 38.0°
Efficiency	88 %
Peak intensity	5.9 cd/Im
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:

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