HB-IP-2X6-W-PC

~60° wide beam. PC variant.



SPECIFICATION:

Dimensions	173.0 x 71.4
Height	11.4 mm
Fastening	pin
Ingress protection classes	IP66, IP67
ROHS compliant	yes

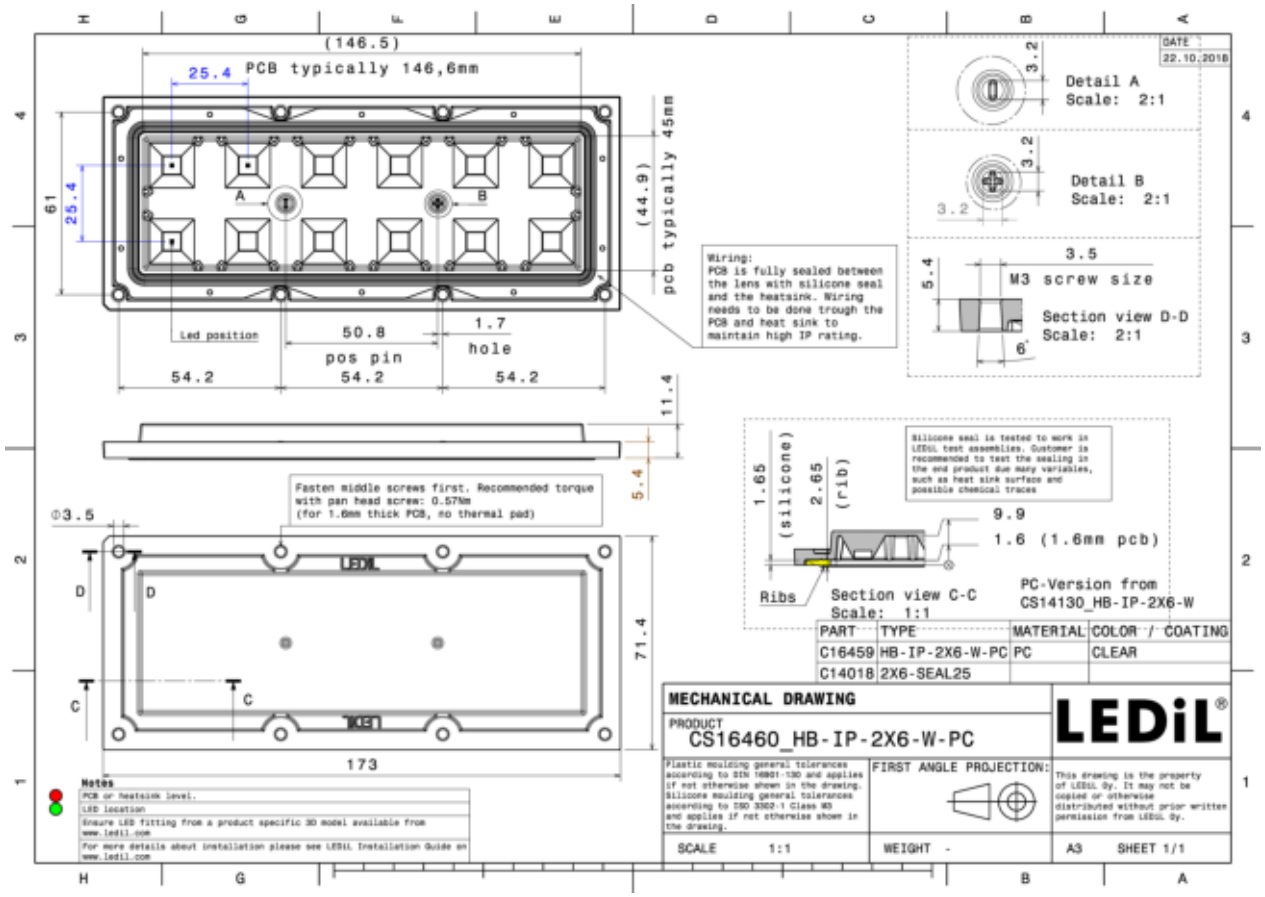
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16460_HB-IP-2X6-W-PC » Box size: 476 x 273 x 247 mm	Multi-lens	120	40	40	8.9

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PART	TYPE	MATERIAL	COLOR / COATING
C16459	HB-IP-2X6-W-PC	PC	CLEAR
C14018	2X6-SEAL25		

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

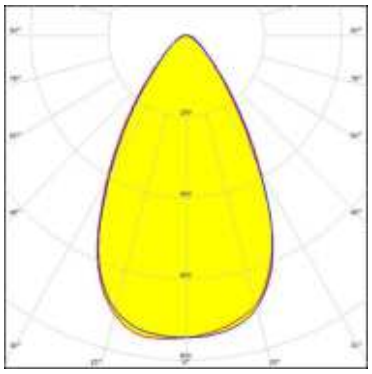
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-L2
FWHM / FWTM	61.0° / 99.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



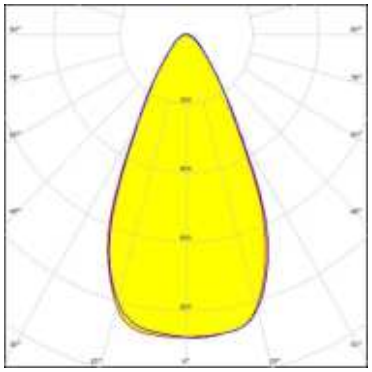


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	53.0° / 87.0°
Efficiency	89 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



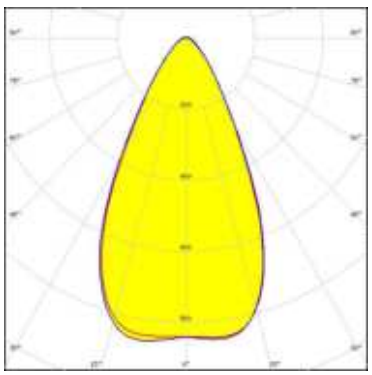


Light distribution files

CREE LEDs

LED	XT-E HE
FWHM / FWTM	54.0° / 90.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

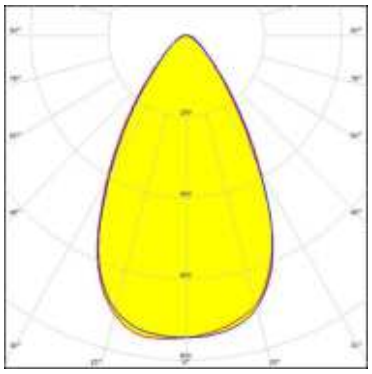
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OPTICAL RESULTS (MEASURED):

SCIOLUX

LED	ROY-S26XPL2 (XP-L2)
FWHM / FWTM	61.0° / 99.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



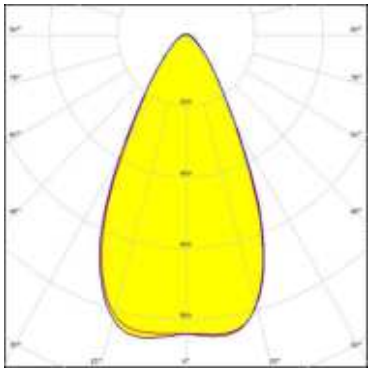


Light distribution files

SCIOLUX

LED	XLE-S22C4XTEHE (XT-E HE)
FWHM / FWTM	54.0° / 90.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





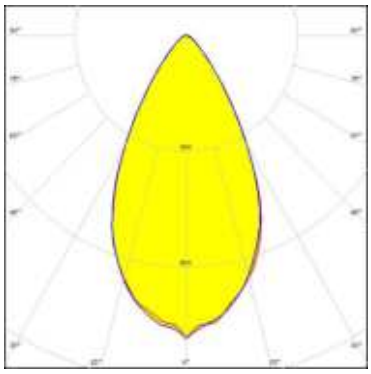
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

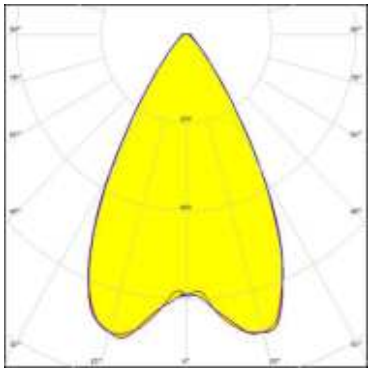
LED	J Series 5050 Round LES
FWHM / FWTM	56.0° / 86.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

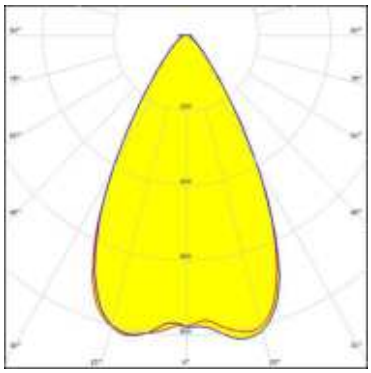
LED	XP-G2 HE
FWHM / FWTM	60.0° / 87.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	60.0° / 89.0°
Efficiency	95 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



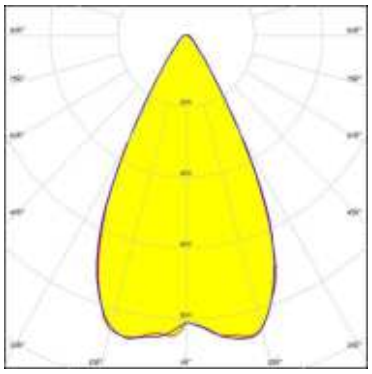
Light distribution files

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OPTICAL RESULTS (SIMULATED):

inventronics

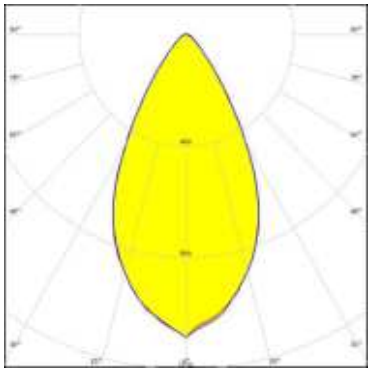
LED	PrevaLED Brick HP IP 2x6
FWHM / FWTM	56.0° / 78.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

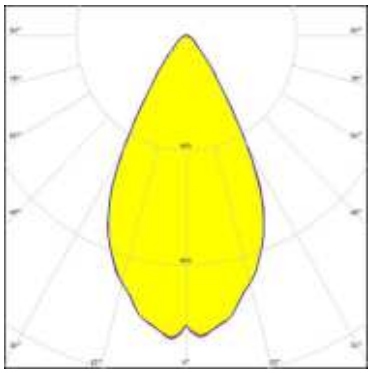
LED	LUXEON 5050 Round LES
FWHM / FWTM	54.0° / 88.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	56.0° / 84.0°
Efficiency	91 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



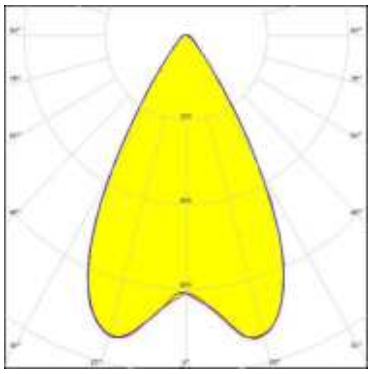
Light distribution files

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OPTICAL RESULTS (SIMULATED):

NICHIA

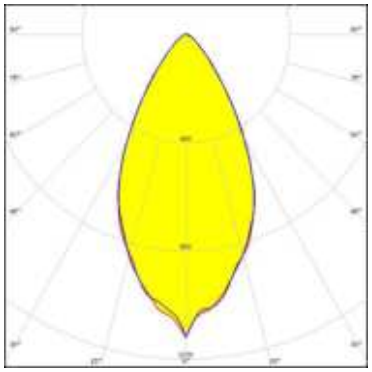
LED	NVSW219F
FWHM / FWTM	60.0° / 83.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

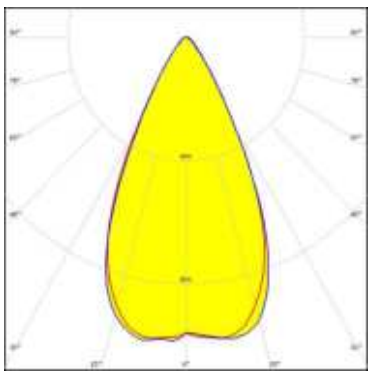
LED	Duris S8
FWHM / FWTM	54.0° / 90.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	53.0° / 78.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



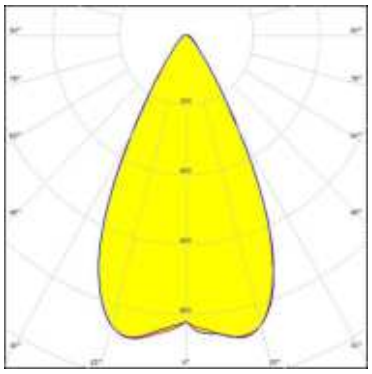
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM

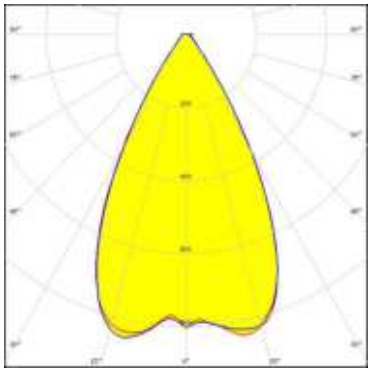
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	56.0° / 80.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

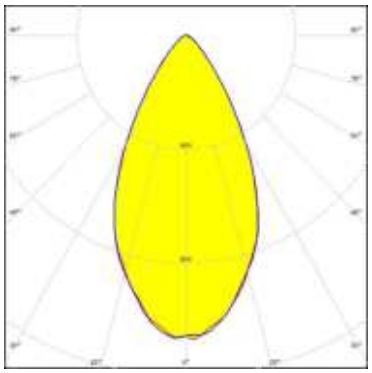
LED	LH351B
FWHM / FWTM	58.0° / 81.0°
Efficiency	96 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH502C
FWHM / FWTM	54.0° / 90.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



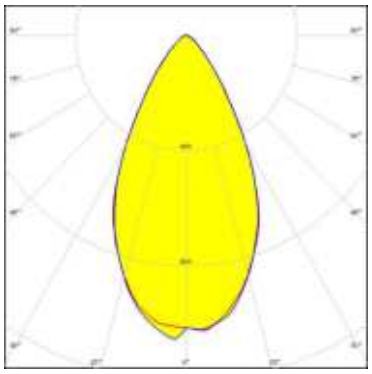
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SAMSUNG

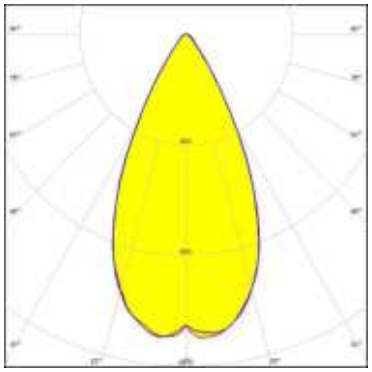
LED	LH502D
FWHM / FWTM	55.0° / 90.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	52.0° / 78.0°
Efficiency	91 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

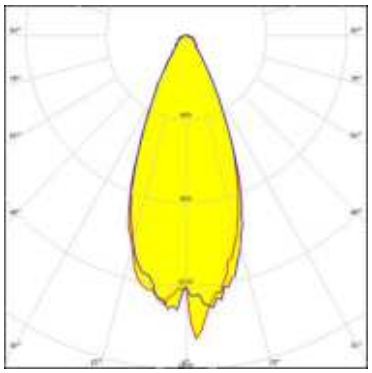


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4-E1
FWHM / FWTM	42.0 + 44.0° / 72.0 + 74.0°
Efficiency	89 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



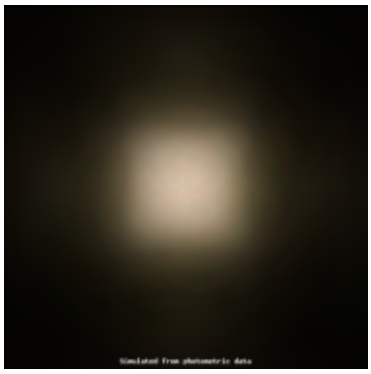


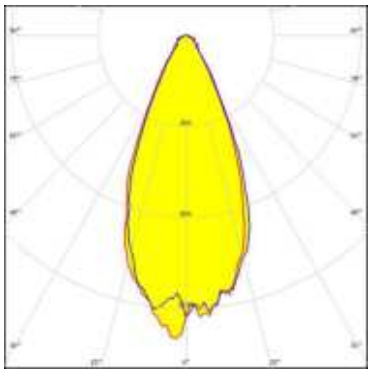
Light distribution files

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OPTICAL RESULTS (SIMULATED):

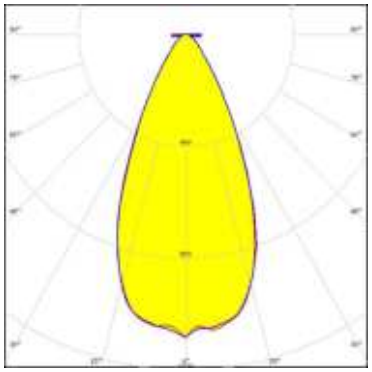
LED	Z5M4-E2
FWHM / FWTM	45.0 + 47.0° / 75.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

LED	Z8Y19
FWHM / FWTM	49.0° / 82.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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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