HB-2X2-O-PC

~20° + 115° oval beam for aisle lighting

SPECIFICATION:

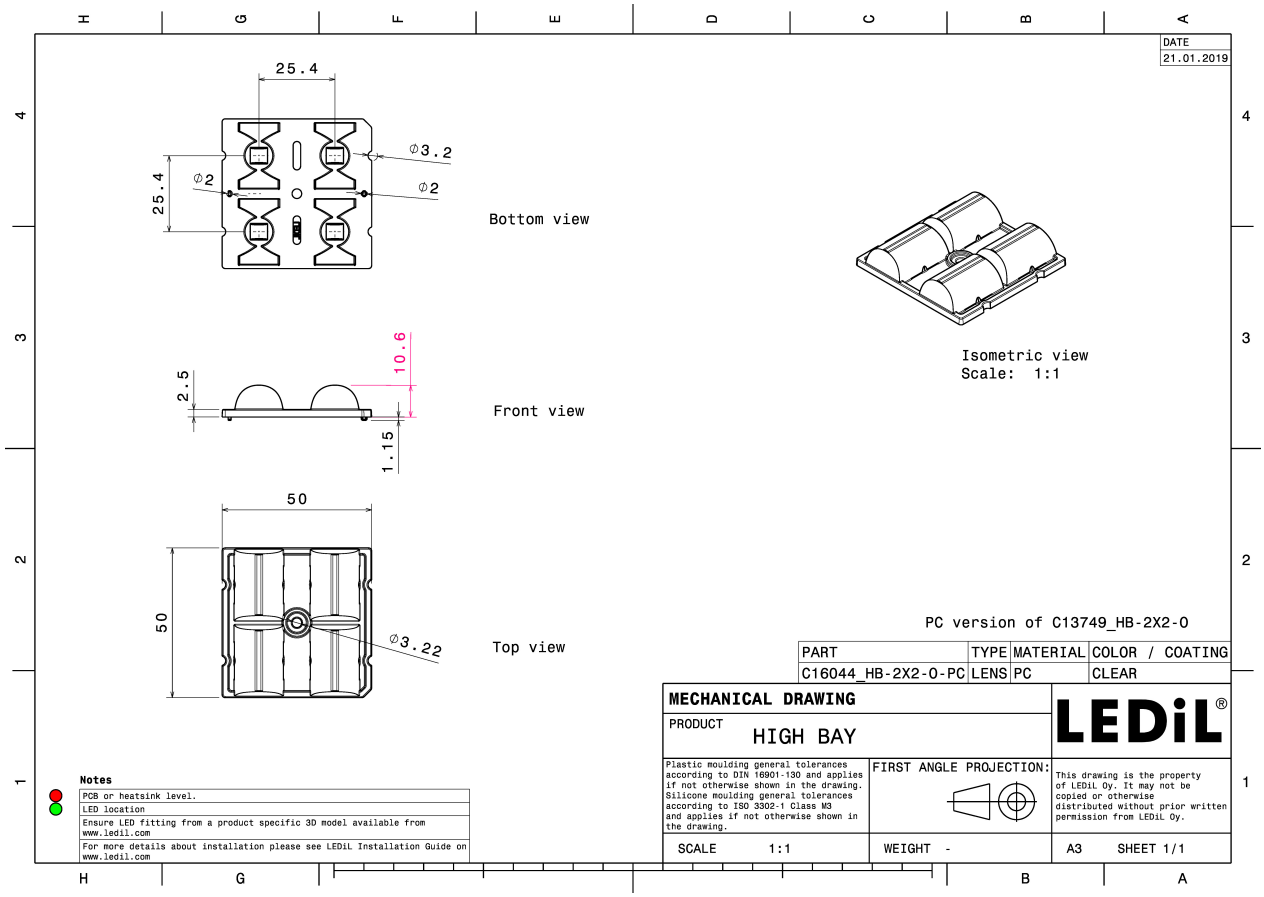
Dimensions	50.0 x 50.0
Height	10.6 mm
Fastening	glue, pin, screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HB-2X2-O-PC	Multi-lens	PC	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16044_HB-2X2-O-PC » Box size: 476 x 273 x 292 mm	800	160	160	10.4



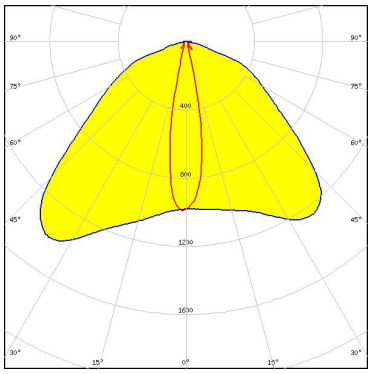
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	20.0 + 122.0° / 32.0 + 151.0°
Efficiency	92 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

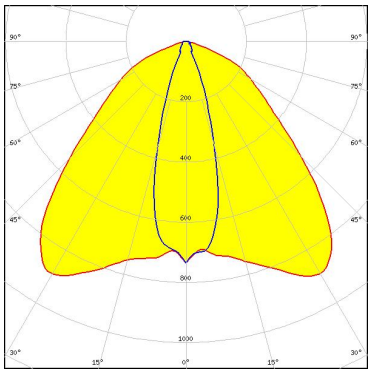


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

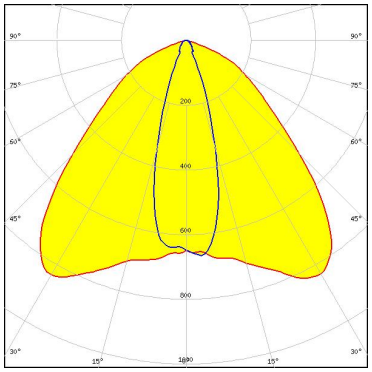
LED	J Series 5050 6V P Class
FWHM / FWTM	96.0 + 30.0° / 140.0 + 50.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	J Series 5050 6V P Class
FWHM / FWTM	96.0 + 30.0° / 138.0 + 50.0°
Efficiency	83 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

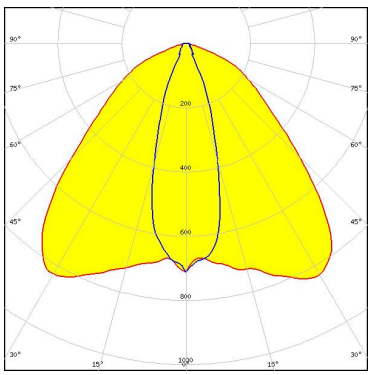


Protective plate, glass

Light distribution files

CREE LEDs

LED	J Series 5050B 6V K Class
FWHM / FWTM	96.0 + 32.0° / 140.0 + 52.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

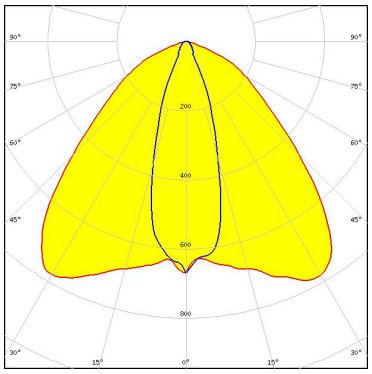


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	J Series 5050B 6V K Class
FWHM / FWTM	96.0 + 32.0° / 138.0 + 54.0°
Efficiency	83 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

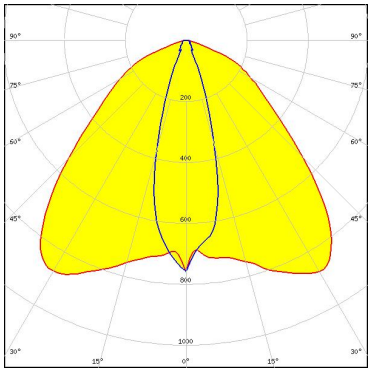


Protective plate, glass

Light distribution files

CREE LEDs

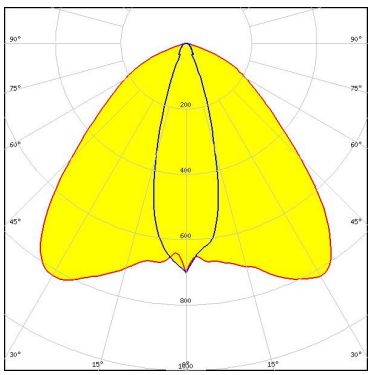
LED	J Series 5050C 6V E Class
FWHM / FWTM	98.0 + 30.0° / 142.0 + 50.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	J Series 5050C 6V E Class
FWHM / FWTM	96.0 + 30.0° / 140.0 + 50.0°
Efficiency	83 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



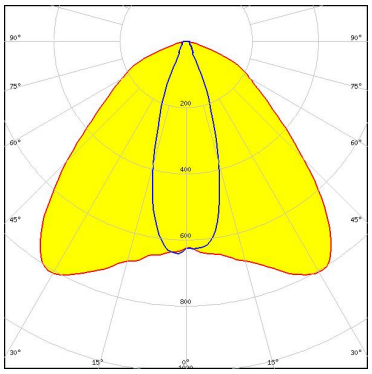
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

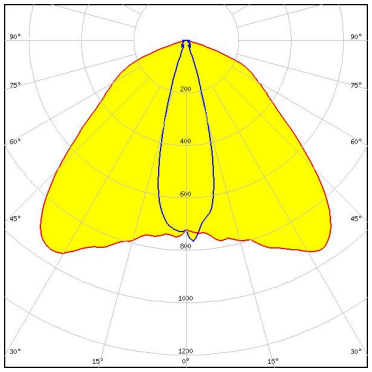
LED	LUXEON 5050 HE Plus
FWHM / FWTM	98.0 + 34.0° / 142.0 + 54.0°
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

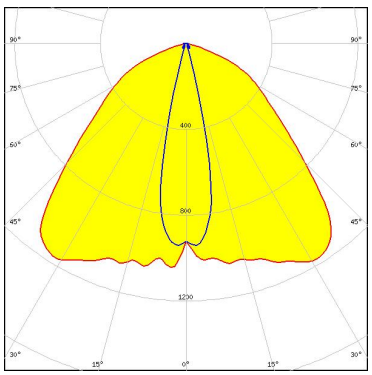
LED	LUXEON HL4X
FWHM / FWTM	102.0 + 28.0° / 144.0 + 40.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL4Z
FWHM / FWTM	100.0 + 24.0° / 142.0 + 32.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



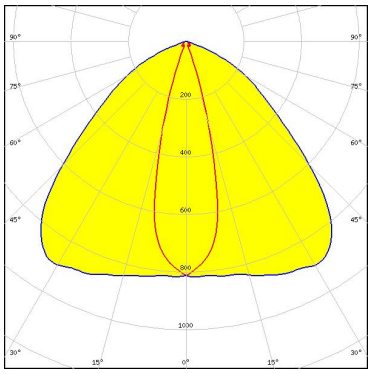
Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	28.0 + 100.0° / 40.0 + 136.0°
Efficiency	81 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

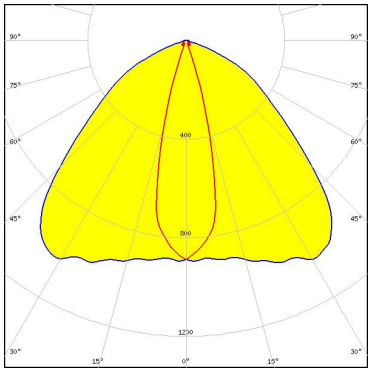
Protective plate, glass



Light distribution files

LUMILEDS

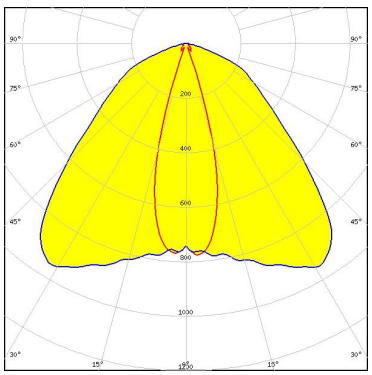
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	26.0 + 102.0° / 38.0 + 138.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	30.0 + 98.0° / 40.0 + 144.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

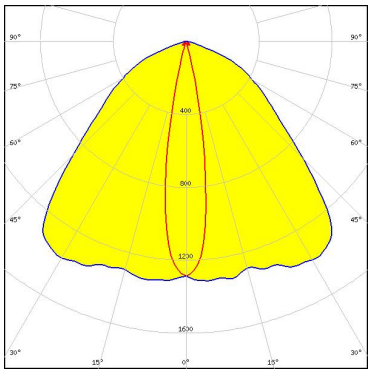


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424 Gen1
FWHM / FWTM	18.0 + 98.0° / 28.0 + 141.0°
Efficiency	91 %
Peak intensity	1.4 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:

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