HB-2X2MX-8-W

~50° wide beam. New revision.

TECHNICAL SPECIFICATIONS:

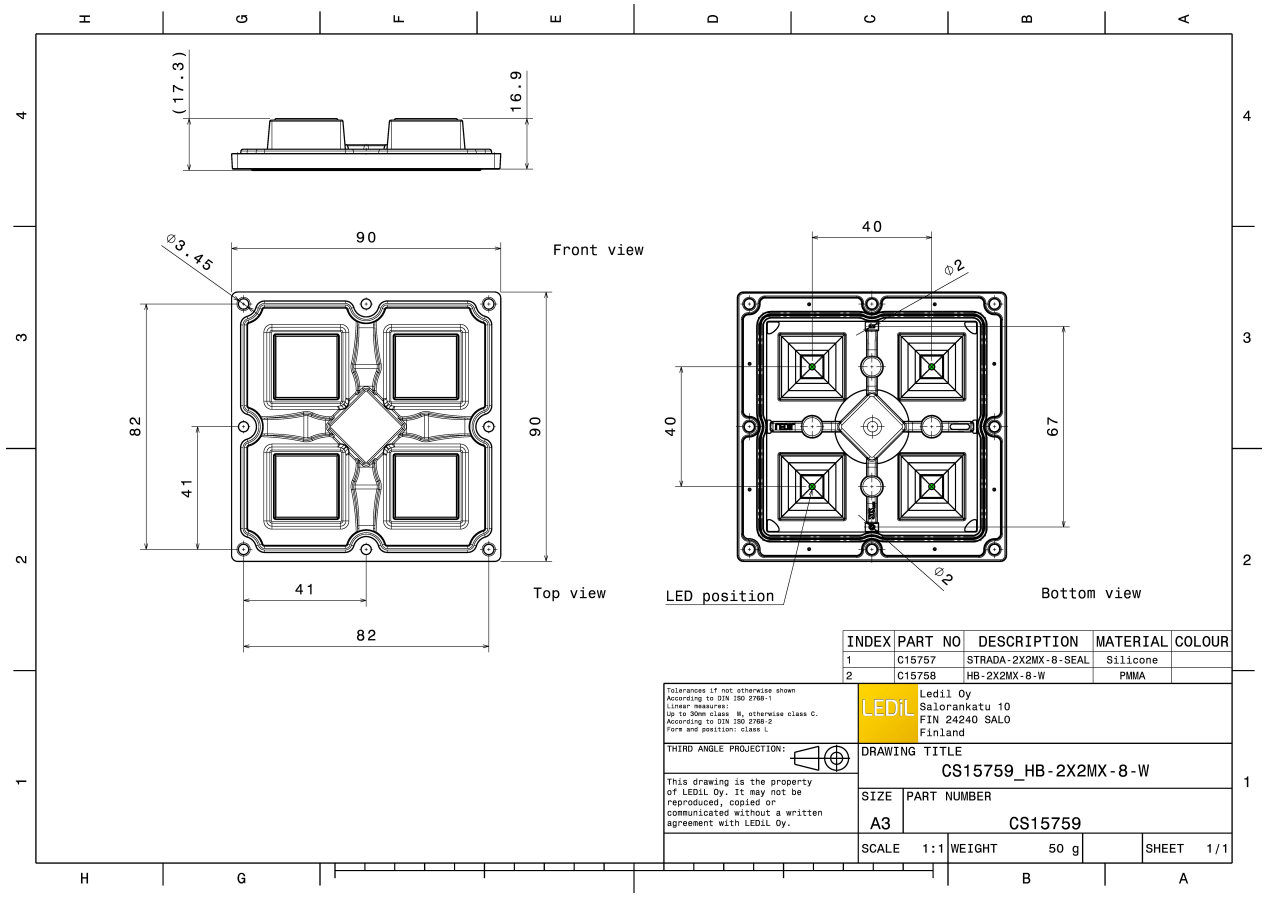
Dimensions	90.0 x 90.0 mm
Height	16.9 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HB-2X2MX-8-W	Multi-lens	PMMA	clear	
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15759_HB-2X2MX-8-W » Box size: 476 x 273 x 292 mm	Multi-lens	156	52	52	8.8



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15757	STRADA-2X2MX-8-SEAL	Silicone	
2	C15758	HB-2X2MX-8-W	PMMA	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class m, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CS15759_HB-2X2MX-8-W

SIZE	PART NUMBER		
A3	CS15759		
SCALE 1:1	WEIGHT 50 g		SHEET 1/1

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

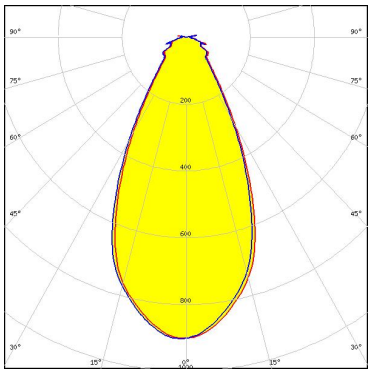
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CXA/B 15xx
FWHM / FWTM	51.0° / 90.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

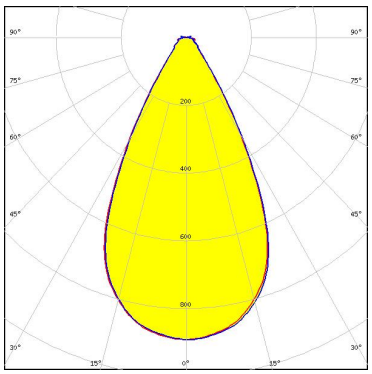
Bender Wirth: 441 Typ 2x2MX HV



CREE LED

LED	XHP50.2
FWHM / FWTM	55.0° / 82.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

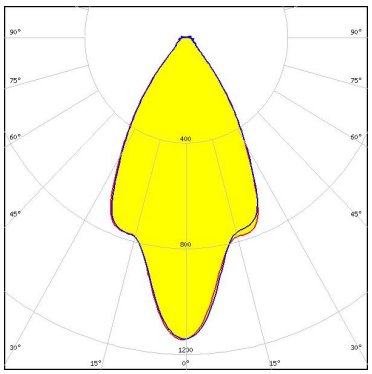
Required components:



CREE LED

LED	XT-E HE
FWHM / FWTM	56.0° / 87.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

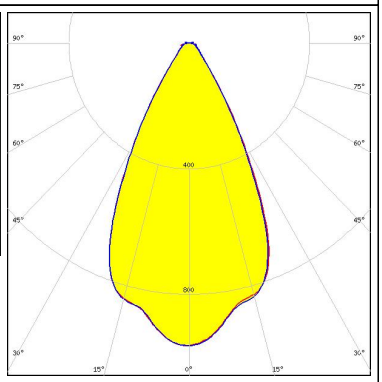
Required components:



LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	54.0° / 82.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

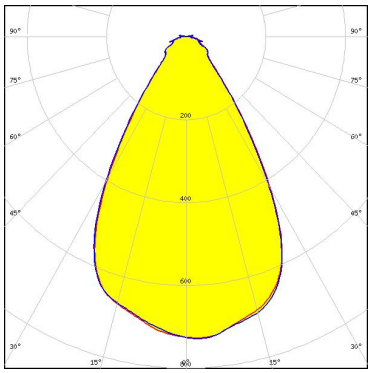
Required components:



PHOTOMETRIC DATA (MEASURED):

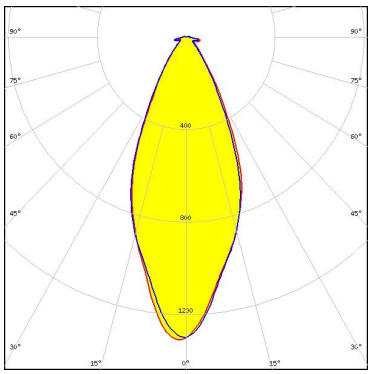
NICHIA

LED	NV9W149AM
FWHM / FWTM	63.0° / 97.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



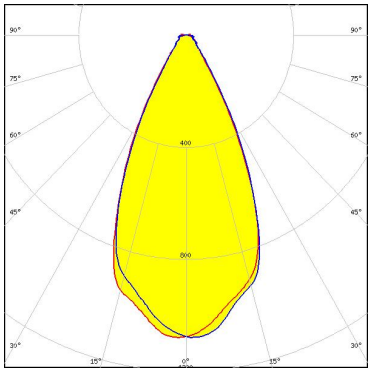
SAMSUNG

LED	HiLOM SC16 (LH181B)
FWHM / FWTM	44.0° / 78.0°
Efficiency	92 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



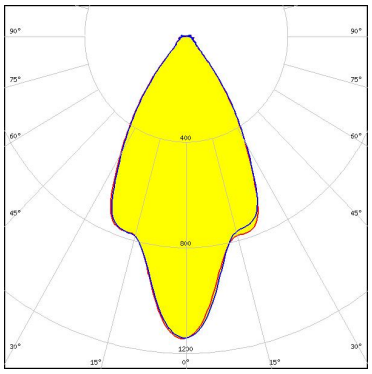
SCIOLUX

LED	XLE-S22C4XD16 (XD16)
FWHM / FWTM	50.0° / 78.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



SCIOLUX

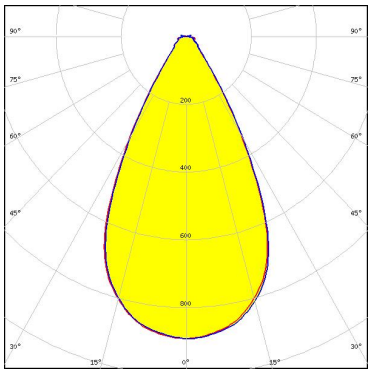
LED	XLE-S22C4XTEHE (XT-E HE)
FWHM / FWTM	56.0° / 87.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

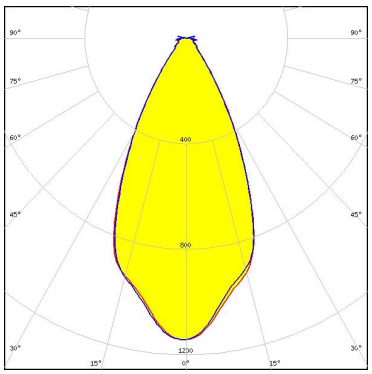
SCIOLUX

LED	XLE-S22XHP50B (XHP50.2)
FWHM / FWTM	55.0° / 82.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	50.0° / 81.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

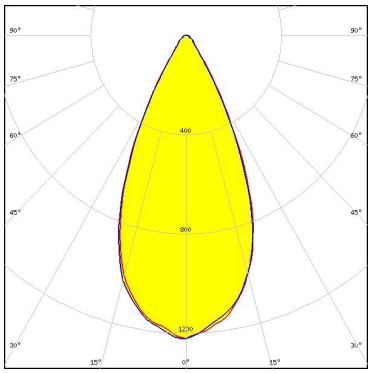


PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	Bridgelux SMD 5050
FWHM / FWTM	48.0° / 73.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

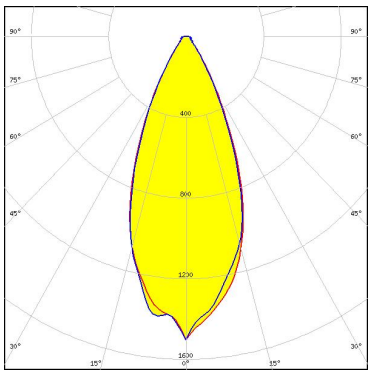


CITIZEN

LED	CLU700/701/702
FWHM / FWTM	43.0° / 73.0°
Efficiency	88 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 434 Typ 2x2MX HV



CREE LED

LED	XHP70.2
FWHM / FWTM	62.0° / 90.0°
Efficiency	85 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

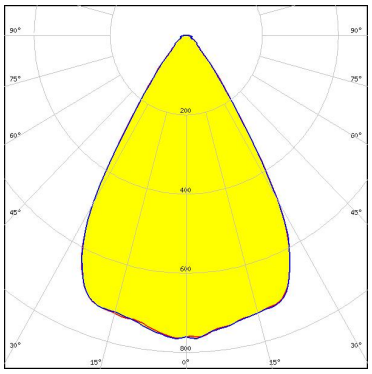
Required components:

Protective plate, glass

CREE LED

LED	XHP70.3
FWHM / FWTM	64.0° / 86.0°
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

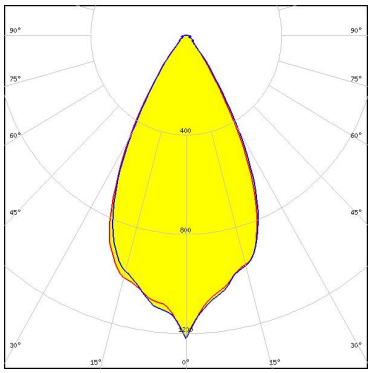
Required components:



PHOTOMETRIC DATA (SIMULATED):

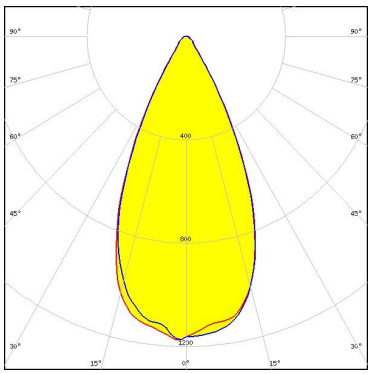
LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	54.0° / 80.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



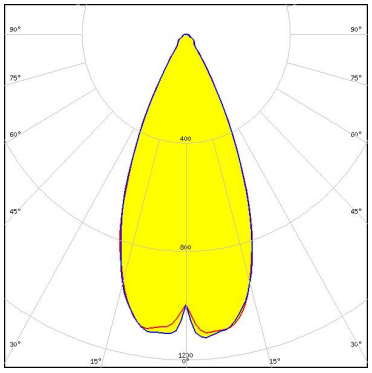
NICHIA

LED	NFMW48xA
FWHM / FWTM	49.0° / 72.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



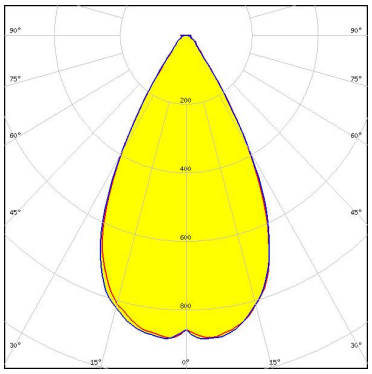
NICHIA

LED	NV4WB35AM
FWHM / FWTM	46.0° / 68.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHILIPS

LED	Fortimo FastFlex LED 2x2 70x70 DC G4
FWHM / FWTM	58.0° / 80.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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