HB-2X2MX-8-M

~30° wide beam. New revision.

TECHNICAL SPECIFICATIONS:

Dimensions	90.0 x 90.0 mm
Height	16.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15767_HB-2X2MX-8-M	Multi-lens	156	52	52	8.3

» Box size: 480 x 280 x 300 mm

Bottom view
Scale: 1:1

Isometric view
Scale: 1:1

Front view
Scale: 1:1

Rear view
Scale: 1:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15766	HB-2X2MX-8-M	PMMA	
	C15757	STRADA-2X2MX-8-SEAL	Silicone	

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

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

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DRAWING TITLE
CS15767_HB-2X2MX-8-M

SIZE	PART NUMBER		
A3	CS15765		

| SCALE | 1:1 | WEIGHT | 46,8 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	31.0° / 101.0°
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 441 Typ 2x2MX HV	

LUMILEDS
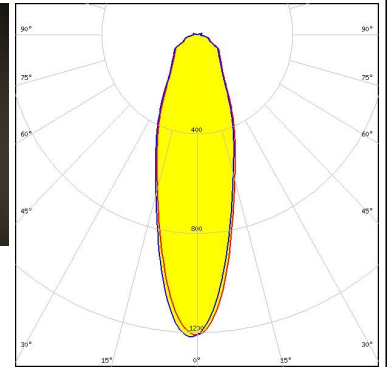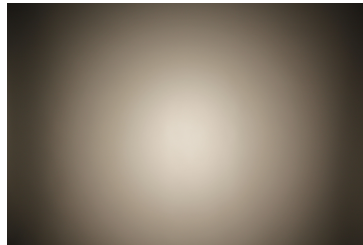
LED	LUXEON M/MX
FWHM / FWTM	25.0° / 52.0°
Efficiency	94 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
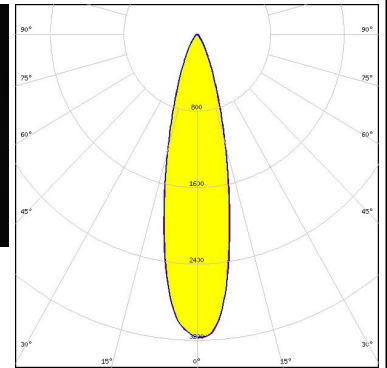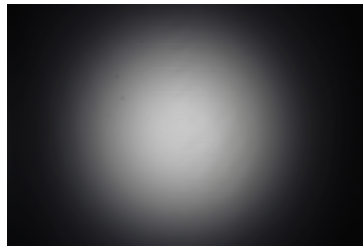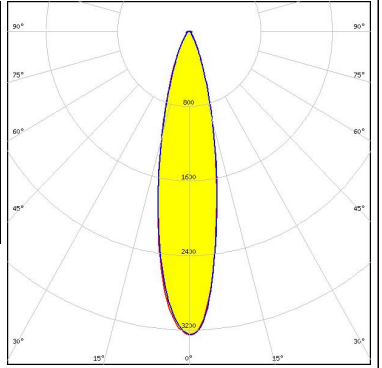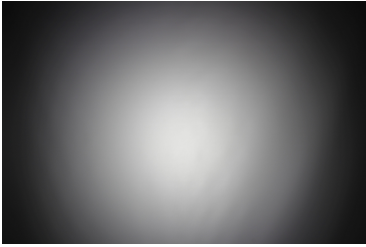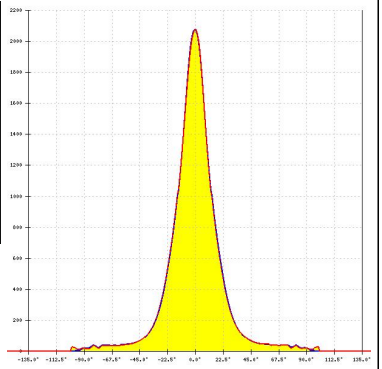
LED	LUXEON XR-7070
FWHM / FWTM	26.0° / 61.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG
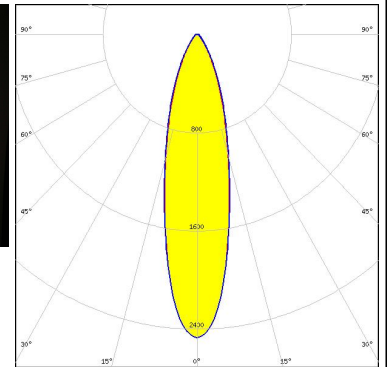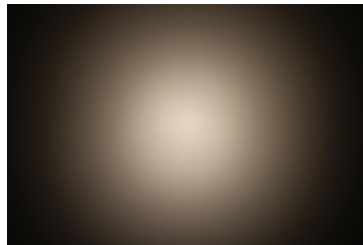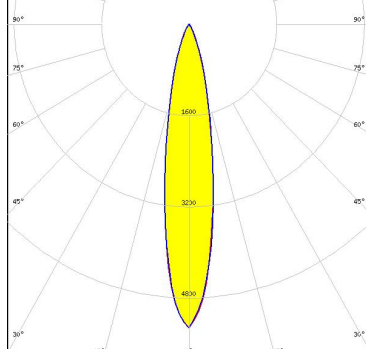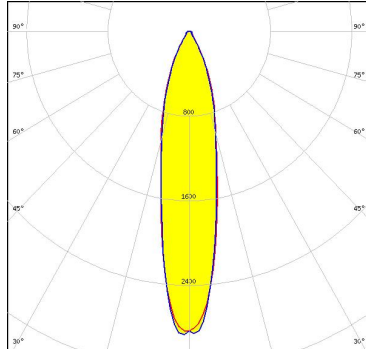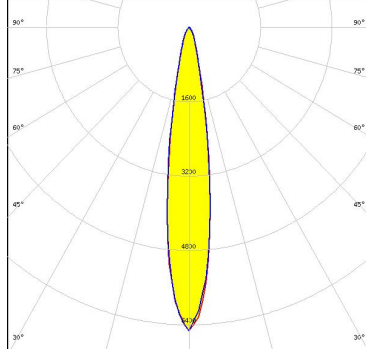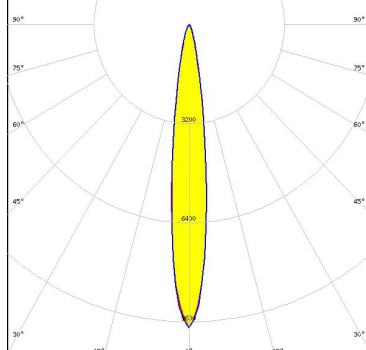
LED	HiLOM SC16 (LH181B)
FWHM / FWTM	25.0° / 64.0°
Efficiency	93 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

SCIOLUX

LED	XLE-S22C4XD16 (XD16)
FWHM / FWTM	23.0° / 50.0°
Efficiency	93 %
Peak intensity	3.3 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	27.0° / 63.0°
Efficiency	91 %
Peak intensity	2.1 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	Bridgelux SMD 5050
FWHM / FWTM	19.0° / 43.0°
Efficiency	94 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CITIZEN

LED	CLU700/701/702
FWHM / FWTM	22.0° / 58.0°
Efficiency	92 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 434 Typ 2x2MX HV	

CREE⇌LED

LED	XHP35 HD
FWHM / FWTM	17.0° / 34.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE⇌LED

LED	XHP35 HI
FWHM / FWTM	14.0° / 30.0°
Efficiency	94 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

CREE LED		
LED	XHP50.2	
FWHM / FWTM	22.0° / 44.0°	
Efficiency	94 %	
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
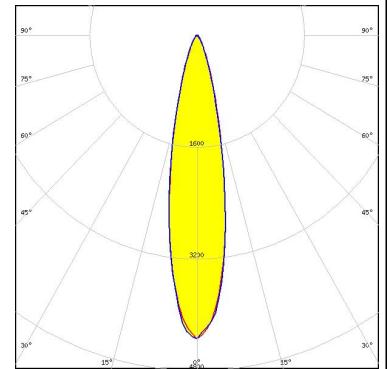
CREE LED		
LED	XHP70.2	
FWHM / FWTM	30.0° / 62.0°	
Efficiency	91 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plate, glass		
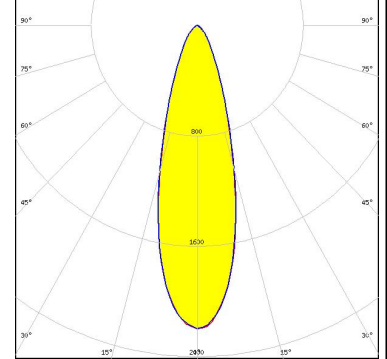
CREE LED		
LED	XHP70.3	
FWHM / FWTM	28.0° / 56.0°	
Efficiency	96 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
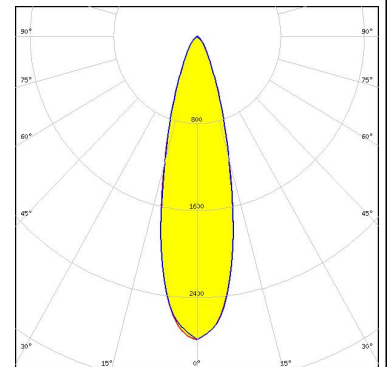
LUMILEDS		
LED	LUXEON 7070	
FWHM / FWTM	24.0° / 58.0°	
Efficiency	96 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
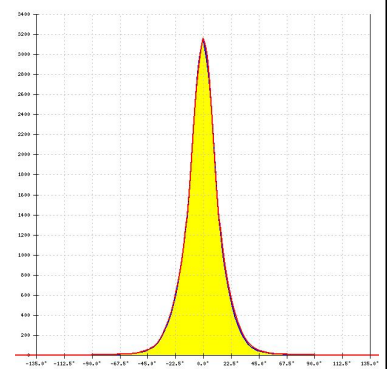
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NFMW48xA
FWHM / FWTM	19.0° / 42.0°
Efficiency	94 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NV4WB35AM
FWHM / FWTM	16.0° / 34.0°
Efficiency	97 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxE21A
FWHM / FWTM	14.0° / 28.0°
Efficiency	94 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	Duris S10
FWHM / FWTM	20.0° / 43.0°
Efficiency	94 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

PHILIPS

LED	Fortimo FastFlex LED 2x2 70x70 DC G4
FWHM / FWTM	21.0° / 44.0°
Efficiency	94 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
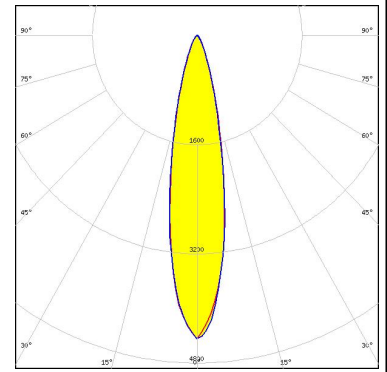
SAMSUNG

LED	LH181B
FWHM / FWTM	14.0° / 28.0°
Efficiency	96 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
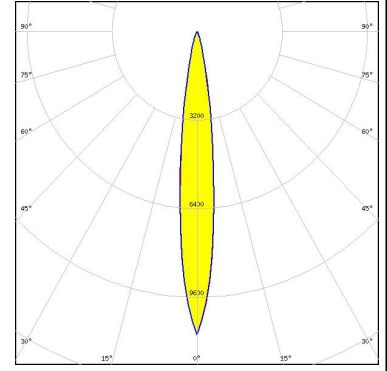
SAMSUNG

LED	LH231B
FWHM / FWTM	14.0° / 30.0°
Efficiency	96 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
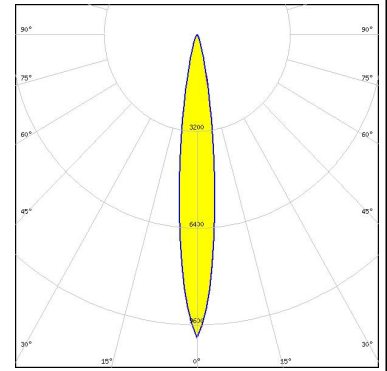
GENERAL INFORMATION:

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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