

HB-2X2-5050-S

~25° spot beam for industrial applications

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	10.4 mm
Fastening	screw
ROHS compliant	yes 

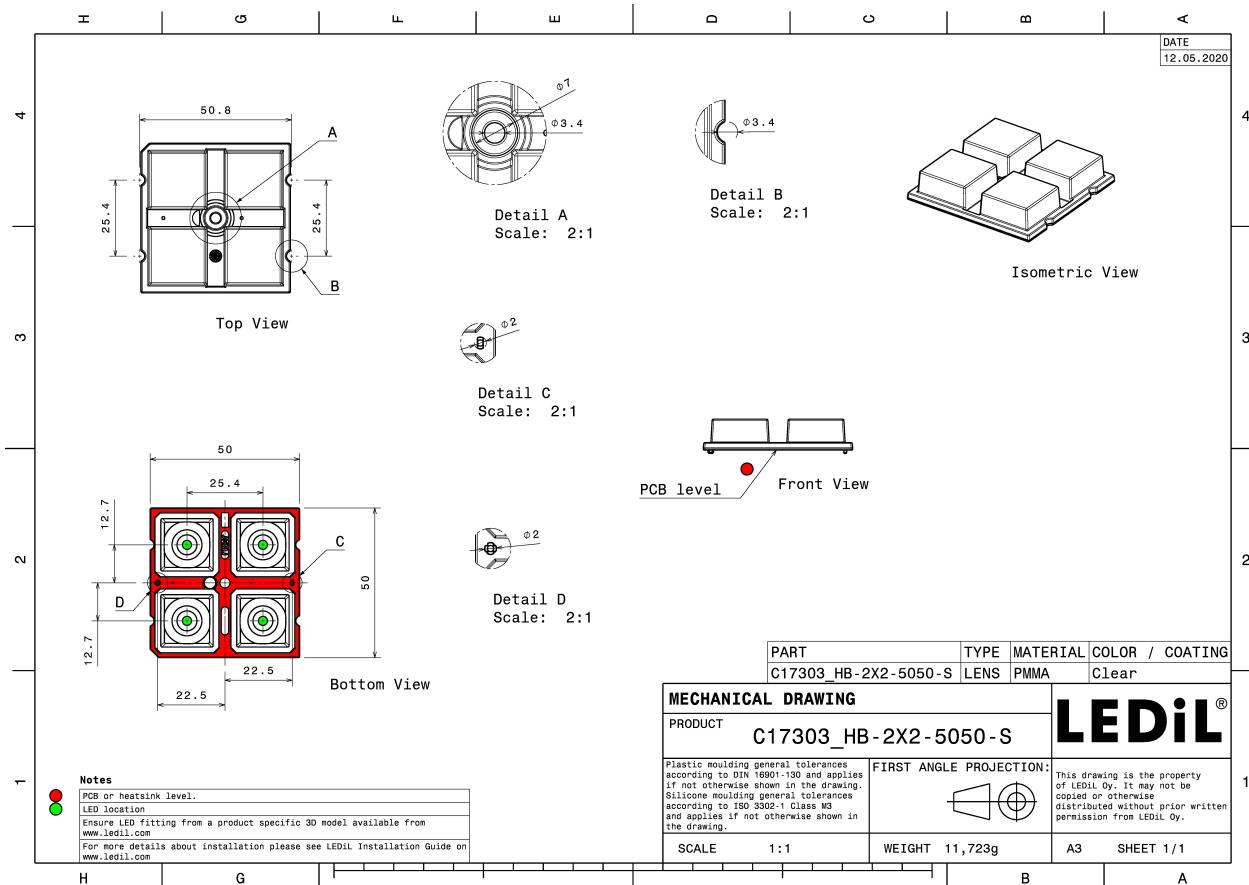


MATERIAL SPECIFICATIONS:

Component	Type	LEDiL® Material	Colour	Finish
HB-2X2-5050-S	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17303_HB-2X2-5050-S	800	160	160	10.2
» Box size: 480 x 280 x 300 mm				

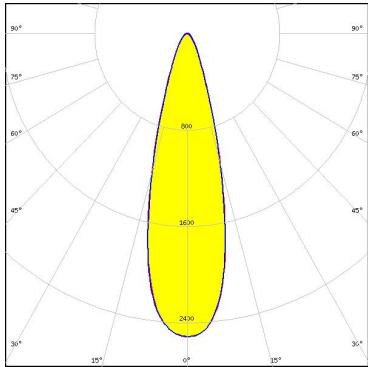


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

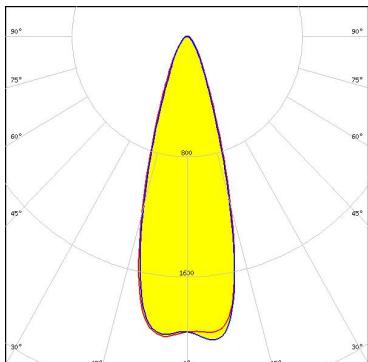
LUMILEDS

LED LUXEON XR-5050 SQR (L213-xxxx016MRH001)
 FWHM / FWTM 28.0° / 55.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



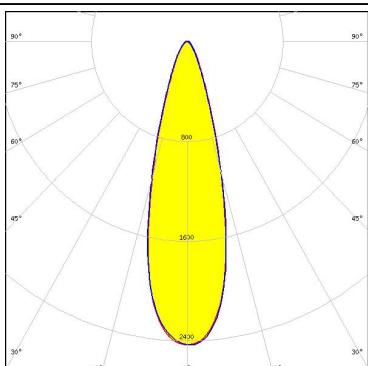
MST | Your solutions

LED RecLED 173x50mm 2900lm 740 2x6 5050 Opt G1
 FWHM / FWTM 33.0° / 6.0 + 60.0°
 Efficiency 94 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

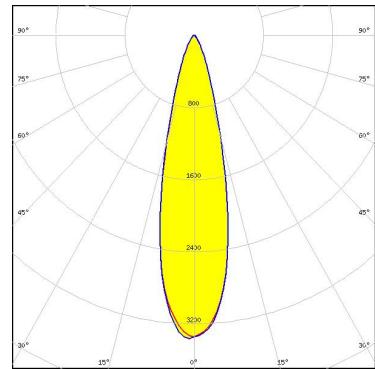
LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM 29.0° / 56.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



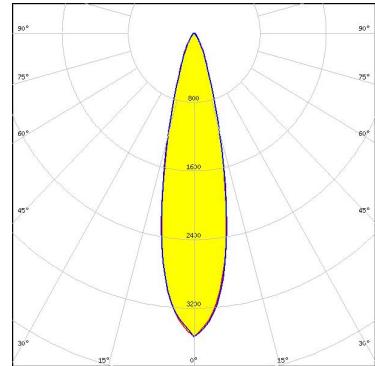
PHOTOMETRIC DATA (SIMULATED):



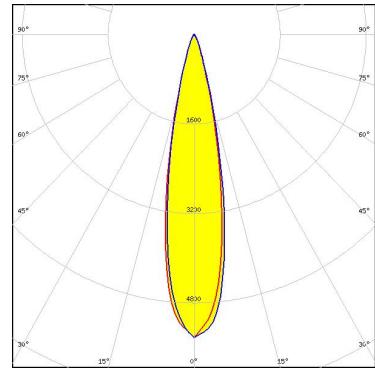
LED	J Series 5050 Round LES
FWHM / FWTM	26.0° / 50.0°
Efficiency	93 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	J Series 5050 Square LES
FWHM / FWTM	24.0° / 48.0°
Efficiency	92 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

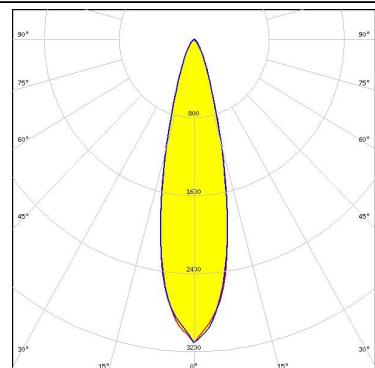


LED	XP-G2
FWHM / FWTM	21.0° / 38.0°
Efficiency	96 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	LUXEON 5050 HE
FWHM / FWTM	26.0° / 50.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



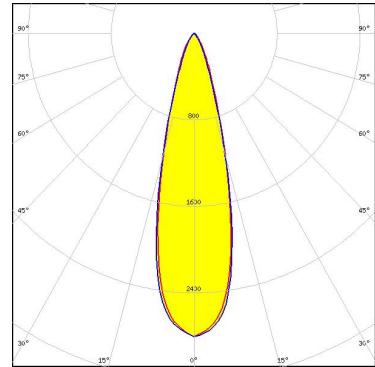
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	28.0° / 52.0°
Efficiency	83 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

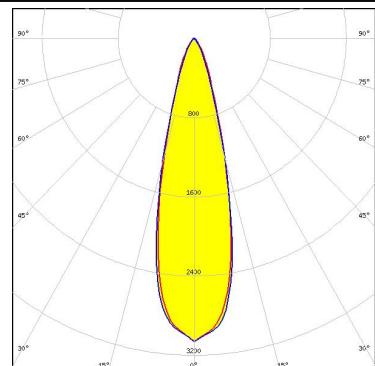
Protective plate, glass



LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	27.0° / 51.0°
Efficiency	90 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

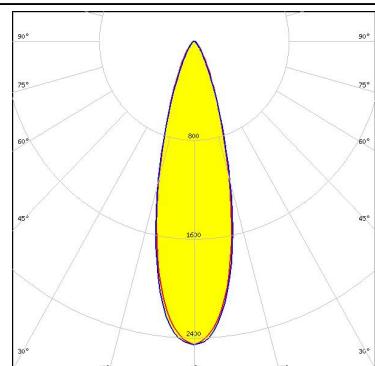


LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	28.0° / 57.0°
Efficiency	87 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

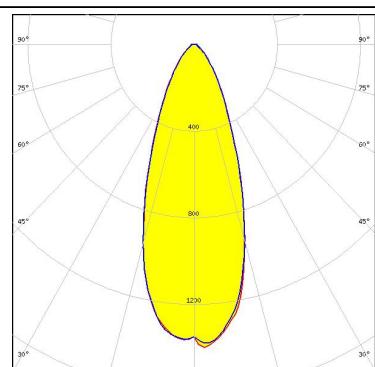
Protective plate, glass



LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	38.0° / 79.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

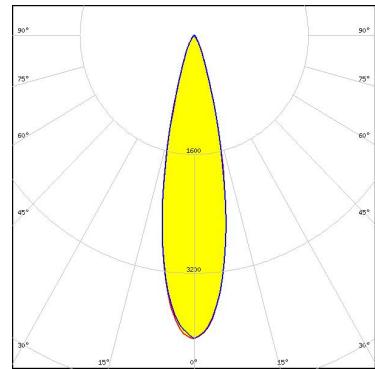


PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	24.0° / 44.0°
Efficiency	95 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White

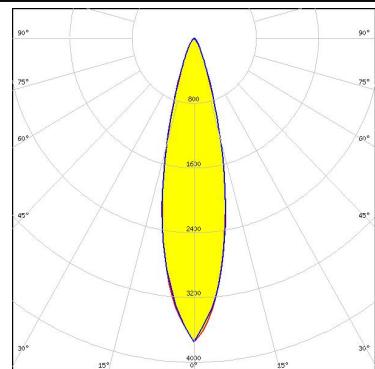
Required components:



LUMILEDS

LED	LUXEON HL2X-P
FWHM / FWTM	24.0° / 47.0°
Efficiency	95 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White

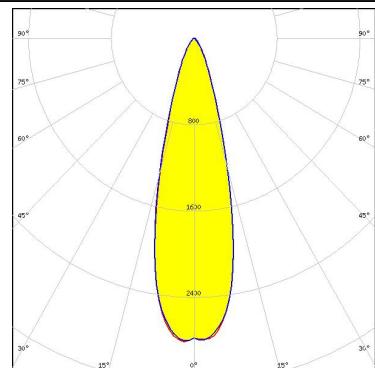
Required components:



NICHIA

LED	NFMW48xA
FWHM / FWTM	28.0° / 54.0°
Efficiency	93 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

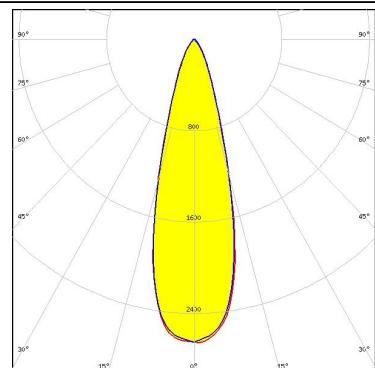
Required components:



NICHIA

LED	NFMW48xA
FWHM / FWTM	29.0° / 55.0°
Efficiency	90 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



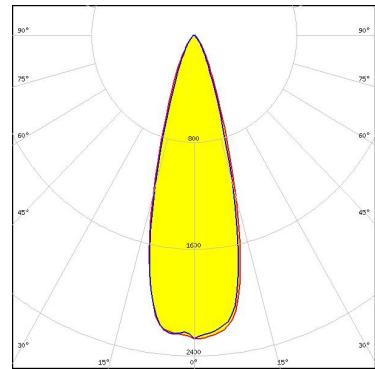
PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED	Duris S8
FWHM / FWTM	31.0° / 56.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

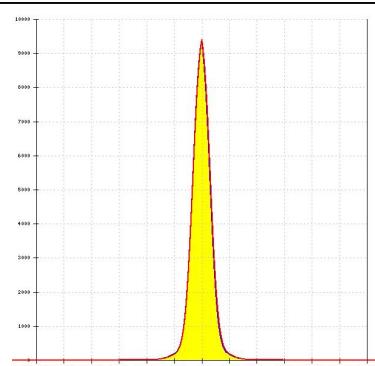


OSRAM

Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	16.0° / 30.0°
Efficiency	96 %
Peak intensity	9.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

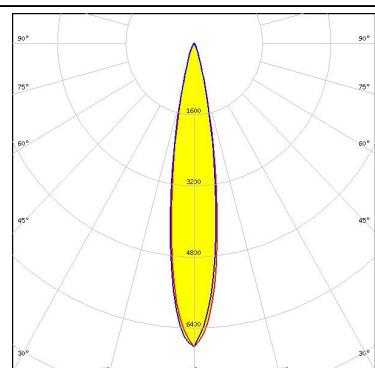


OSRAM

Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	18.0° / 34.0°
Efficiency	95 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



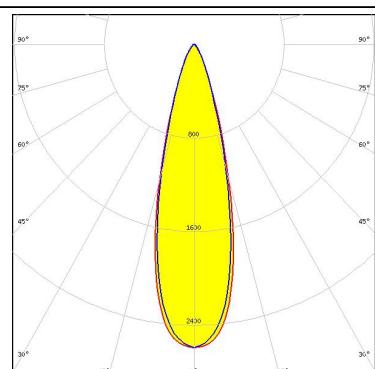
OSRAM

Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	28.0° / 52.0°
Efficiency	85 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



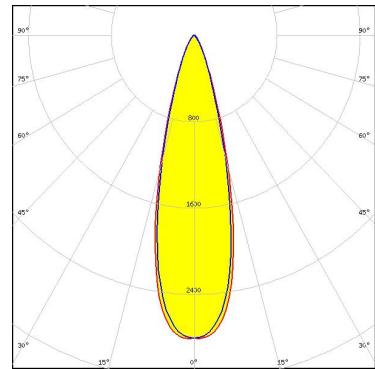
PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	28.0° / 52.0 + 51.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

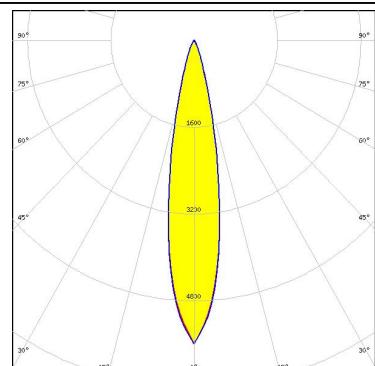


OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	20.0° / 38.0°
Efficiency	95 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

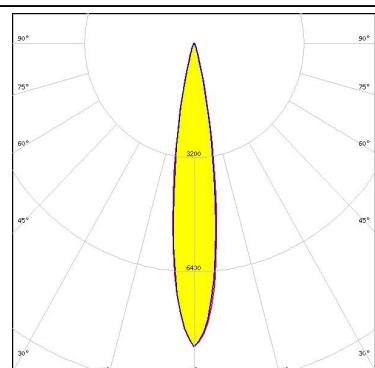


OSRAM

Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	17.0° / 30.0°
Efficiency	96 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

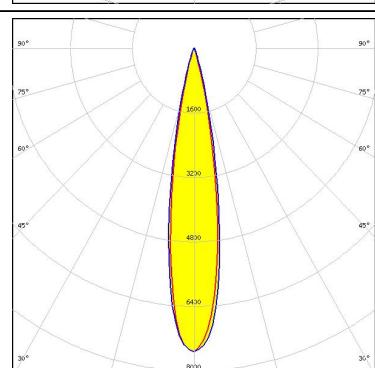


OSRAM

Opto Semiconductors

LED	OSTAR Projection Compact (Kx.CSLNM1.xx)
FWHM / FWTM	19.0° / 32.0°
Efficiency	96 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



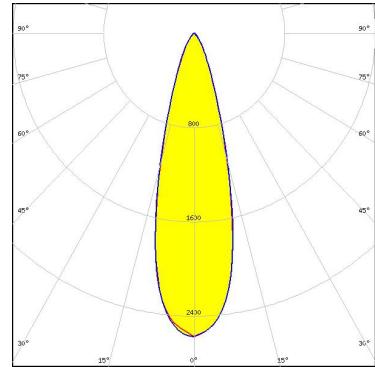
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LH502C
FWHM / FWTM	28.0° / 54.0°
Efficiency	85 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

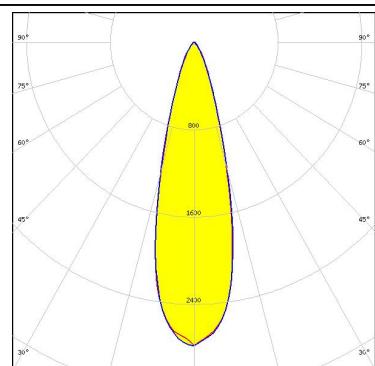
Protective plate, glass



SAMSUNG

LED	LH502C
FWHM / FWTM	28.0° / 54.0°
Efficiency	92 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

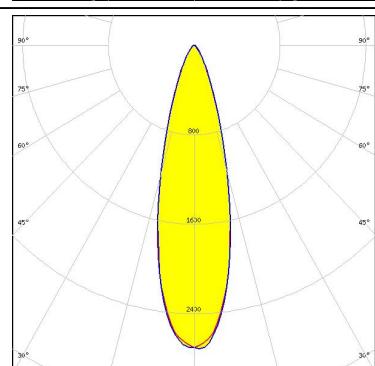
Required components:



SAMSUNG

LED	LH508B
FWHM / FWTM	28.0° / 56.0°
Efficiency	92 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

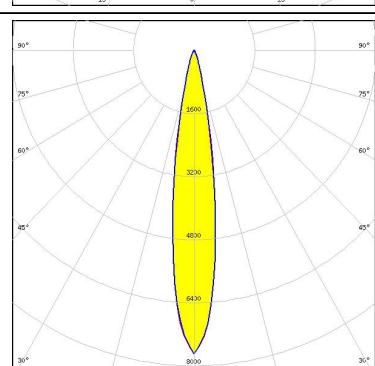
Required components:



SAMSUNG

LED	LM301B
FWHM / FWTM	16.0° / 32.0°
Efficiency	94 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



PHOTOMETRIC DATA (SIMULATED):



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:

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