

HB-2X2MXS-WW

~55° wide beam

SPECIFICATION:

Dimensions	90.0 x 90.0 mm
Height	16.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

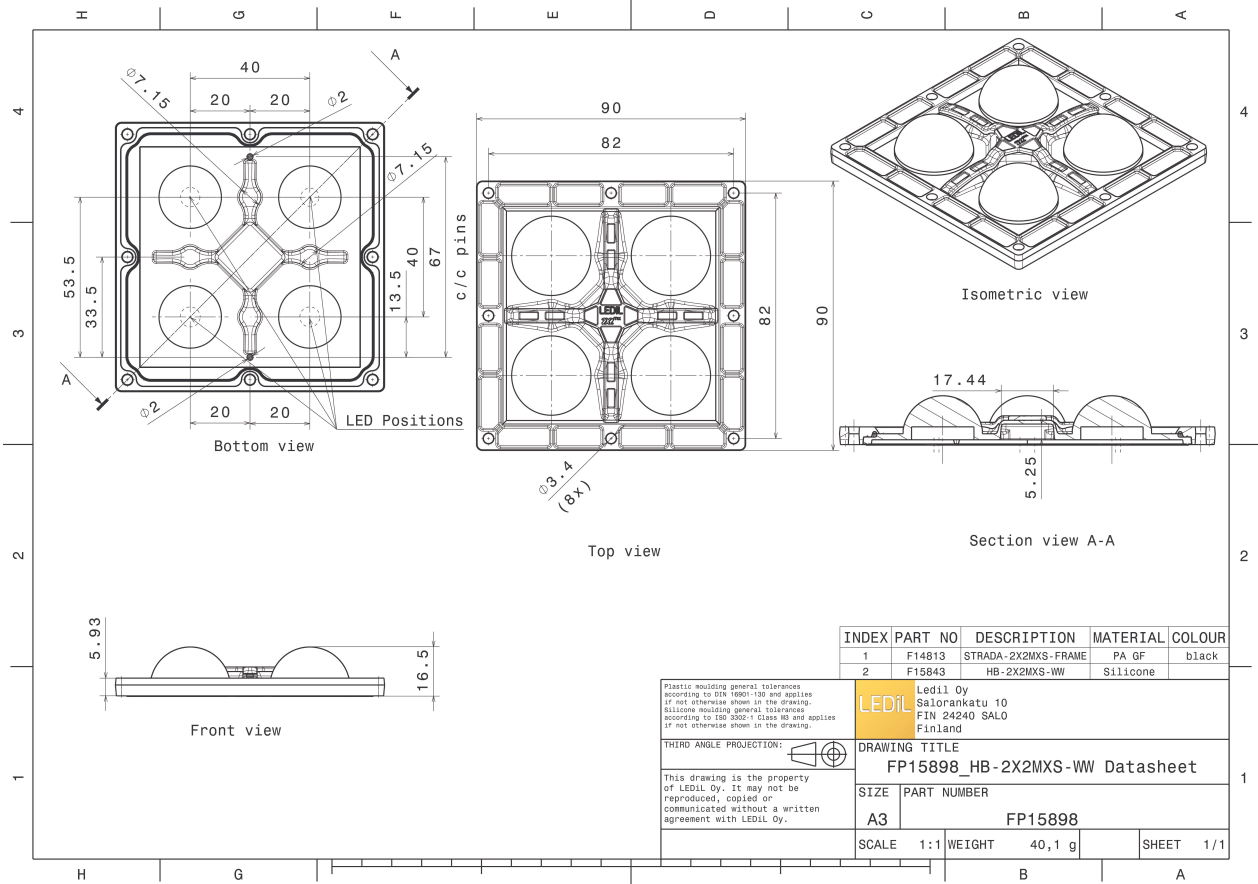
MATERIALS:

Component	Type	Material	Colour	Finish
HB-2X2MXS-WW	Multi-lens	Silicone	clear	
STRADA-2X2MXS-FRAME	Holder	PA66	black	



ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FP15898_HB-2X2MXS-WW » Box size: 398 x 298 x 265 mm	Multi-lens	168	24	12	8.6

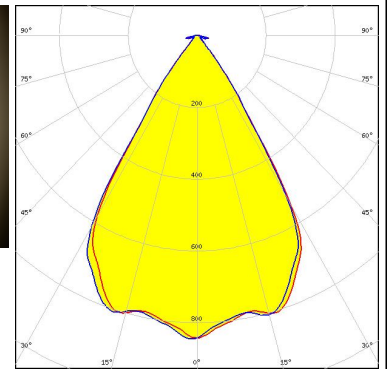
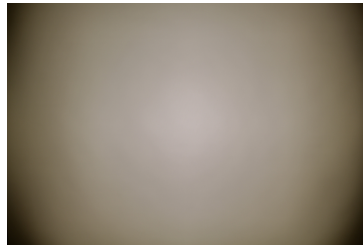


See also our general installation guide: www.ledil.com/installation_guide

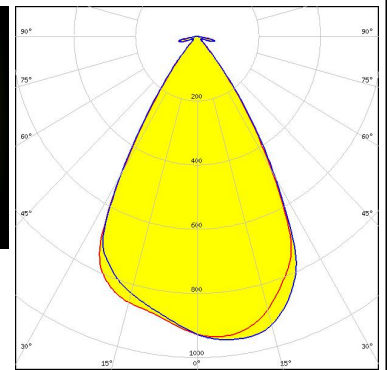
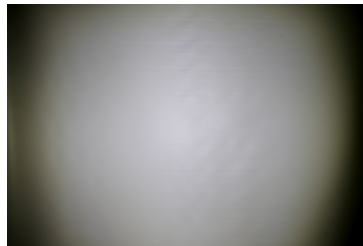
OPTICAL RESULTS (MEASURED):



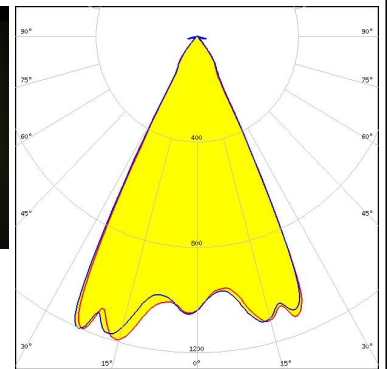
LED XHP70
 FWHM / FWTM 64.0° / 80.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



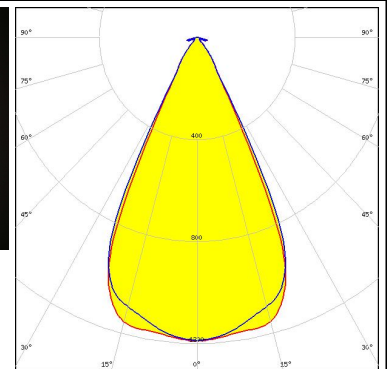
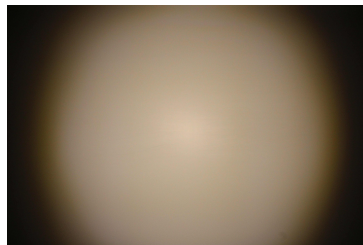
LED XHP70.2
 FWHM / FWTM 61.0° / 80.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON M/MX
 FWHM / FWTM 54.0° / 73.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



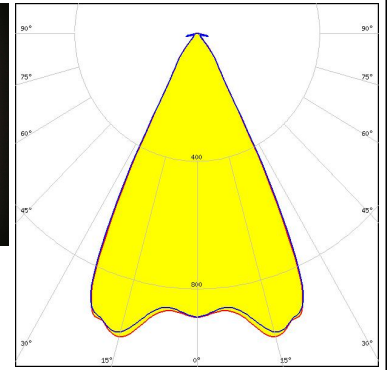
LED LUXEON XR-7070 (L224-xxxx004MLU010)
 FWHM / FWTM 52.0° / 70.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



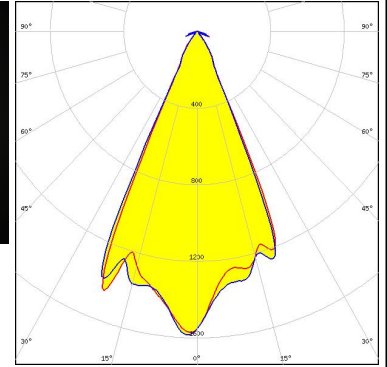
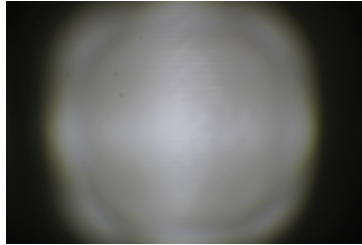
OPTICAL RESULTS (MEASURED):



LED NV4x144A
 FWHM / FWTM 54.0° / 73.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

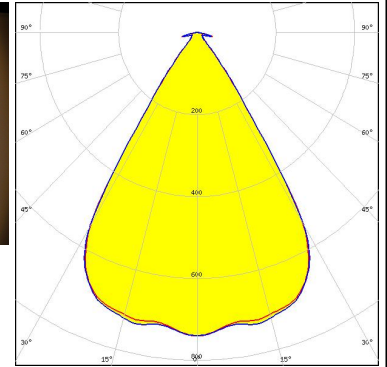


LED HiLOM SC16 (LH181B)
 FWHM / FWTM 48.0° / 62.0°
 Efficiency 93 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


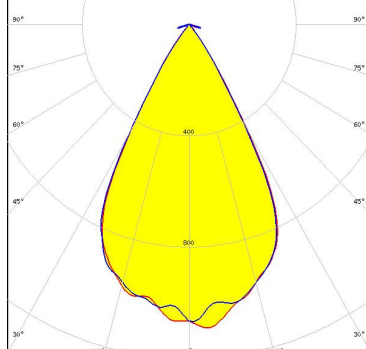
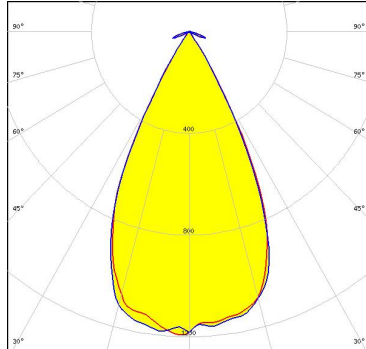

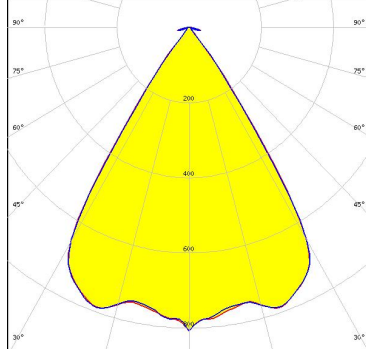

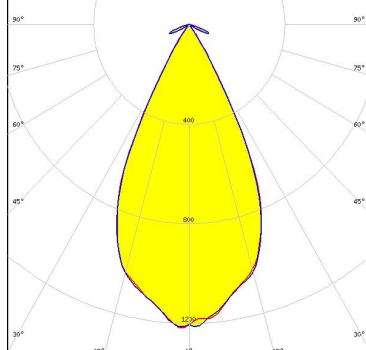


SEOUL SEMICONDUCTOR

LED WICOP 5050
 FWHM / FWTM 65.0° / 80.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p> bridgelux</p> <p>LED: Bridgelux SMD 5050 FWHM / FWTM: 57.0° / 73.0° Efficiency: 92 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CITIZEN</p> <p>LED: CLU700/701/702/703 FWHM / FWTM: 52.0° / 68.0° Efficiency: 89 % Peak intensity: 1.2 cd/lm LEDs/each optic: 1 Light colour: White Required components: Bender Wirth: 434 Typ 2x2MX HV</p>	
<p> CREE LEDs</p> <p>LED: XHP70.3 HD FWHM / FWTM: 66.0° / 78.0° Efficiency: 91 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LUMILEDS</p> <p>LED: LUXEON 7070 FWHM / FWTM: 50.0° / 66.0° Efficiency: 86 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED: SFT-40-WCS FWHM / FWTM: 58.0° / 76.0° Efficiency: 92 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SFT-70X-WCS FWHM / FWTM: 58.0° / 76.0° Efficiency: 93 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NFMW48xA FWHM / FWTM: 48.0° / 66.0° Efficiency: 92 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 58.0° / 76.0° Efficiency: 91 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	58.0° / 72.0°
Efficiency	92 %
Peak intensity	1.3 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

