

## HB-2X2MXS-M

~30° wide beam

### TECHNICAL SPECIFICATIONS:

Dimensions	90.0 x 90.0 mm
Height	18 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

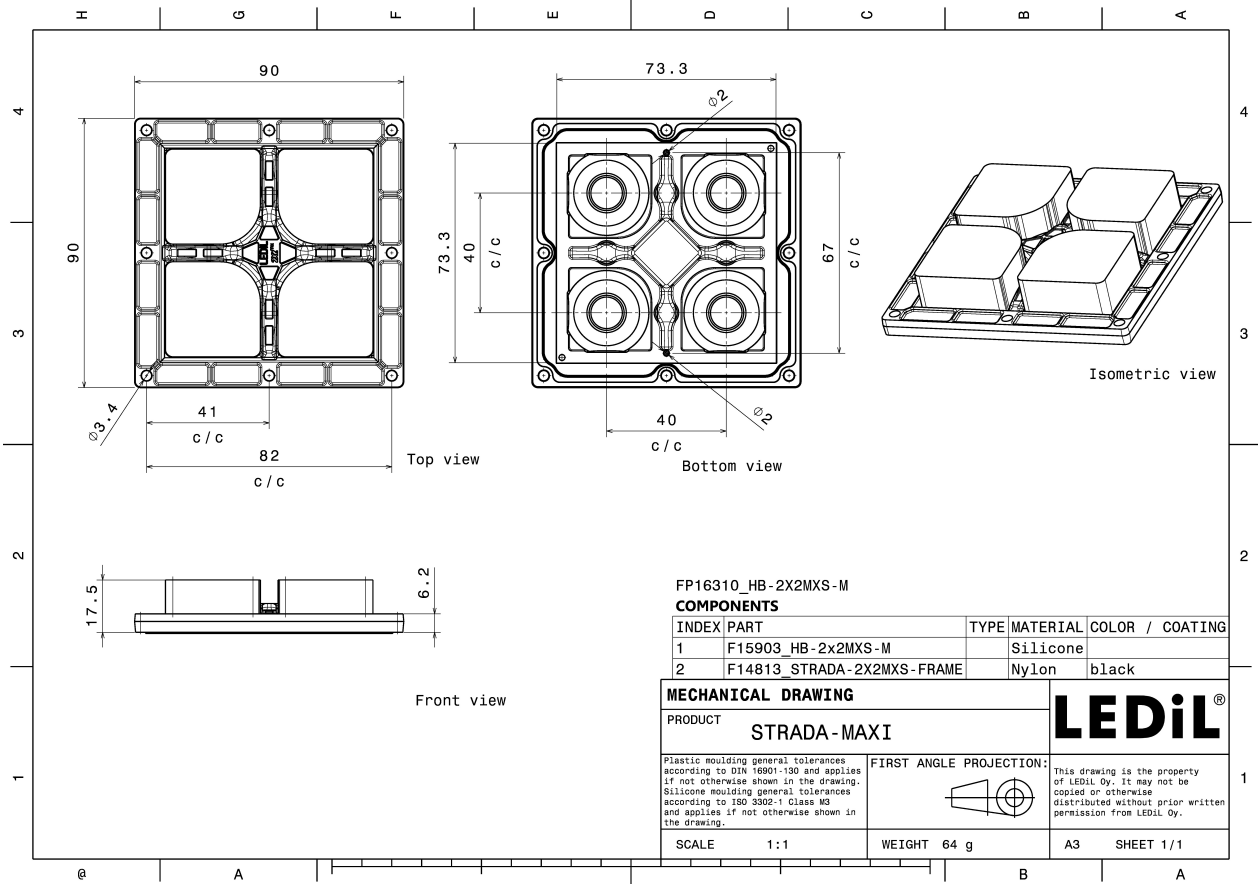
### MATERIAL SPECIFICATIONS:

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



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16310_HB-2X2MXS-M	Multi-lens	156	24	12	10.5
» Box size: 398 x 298 x 265 mm					

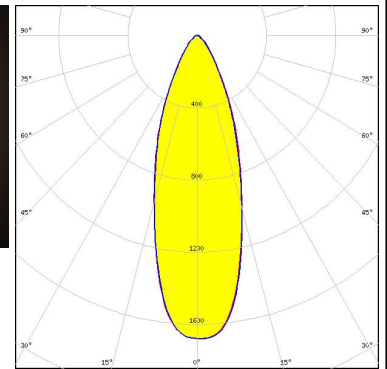


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

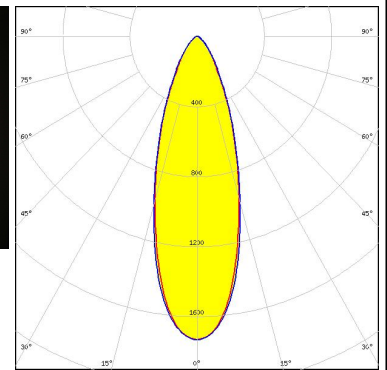
#### LUMILEDS

LED LUXEON M/MX  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 91 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



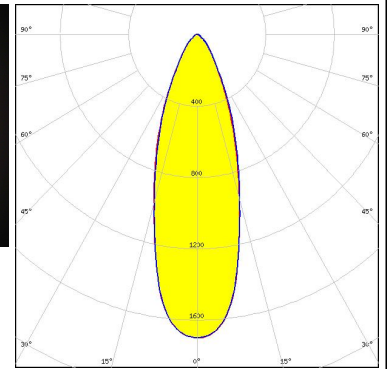
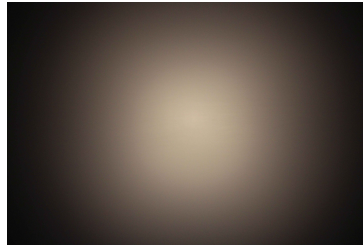
#### LUMILEDS

LED LUXEON XR-7070  
 FWHM / FWTM 33.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



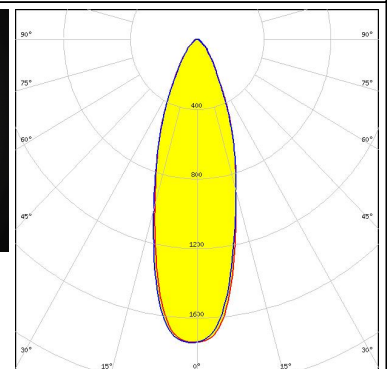
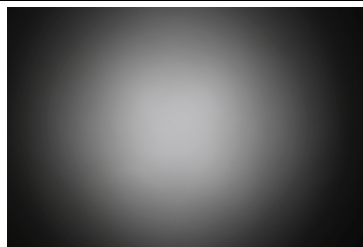
#### NICHIA

LED NV4x144A  
 FWHM / FWTM 34.0° / 71.0°  
 Efficiency 90 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

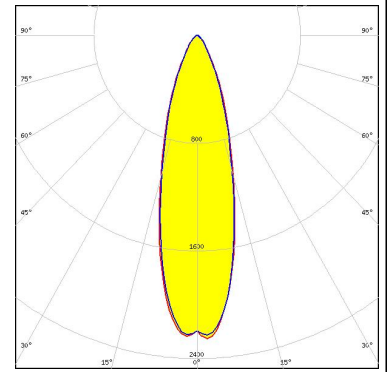
LED HiLOM SC16 (LH181B)  
 FWHM / FWTM 32.0° / 72.0°  
 Efficiency 89 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

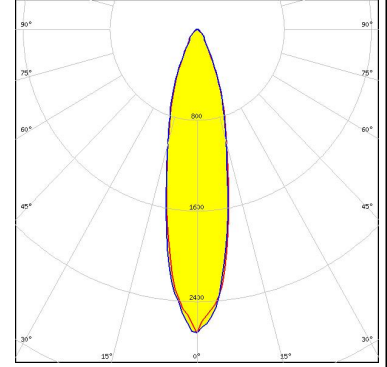
### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 29.0° / 61.0°  
 Efficiency 88 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ 2x2MX HV



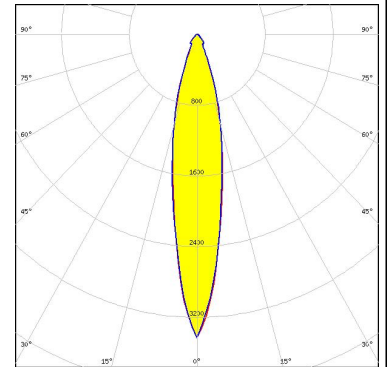
### CREE LED

LED MHB-A/B  
 FWHM / FWTM 24.0° / 57.0°  
 Efficiency 90 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



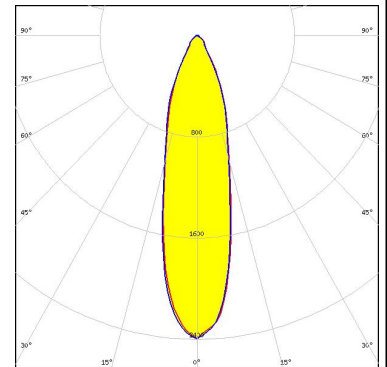
### CREE LED

LED XHP35 HI  
 FWHM / FWTM 20.0° / 46.0°  
 Efficiency 86 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### CREE LED

LED XHP50  
 FWHM / FWTM 26.4° / 61.7°  
 Efficiency 92 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XHP70.3            FWHM / FWTM: 32.0° / 72.0°            Efficiency: 93 %            Peak intensity: 1.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NFMW48xA            FWHM / FWTM: 24.0° / 54.0°            Efficiency: 90 %            Peak intensity: 2.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NV4WB35AM            FWHM / FWTM: 24.0° / 60.0°            Efficiency: 95 %            Peak intensity: 2.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	