

## HB-2X3-5050-M

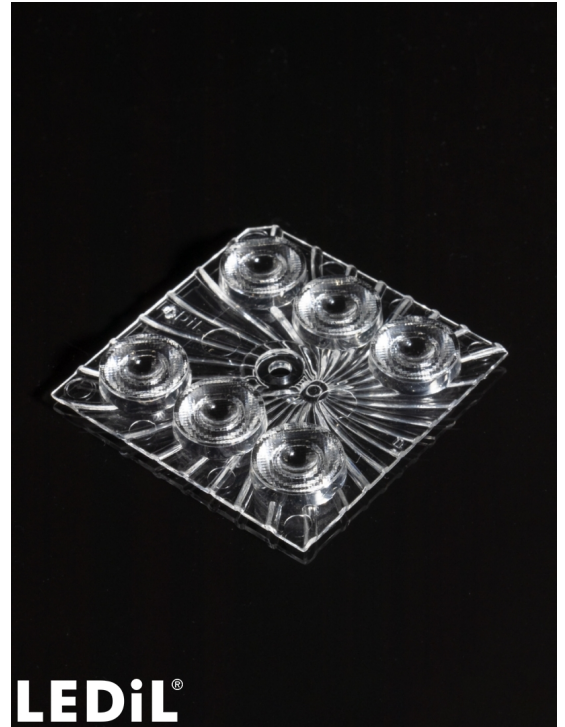
~30° wide beam

### SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	9 mm
Fastening	glue, screw
ROHS compliant	yes ⓘ

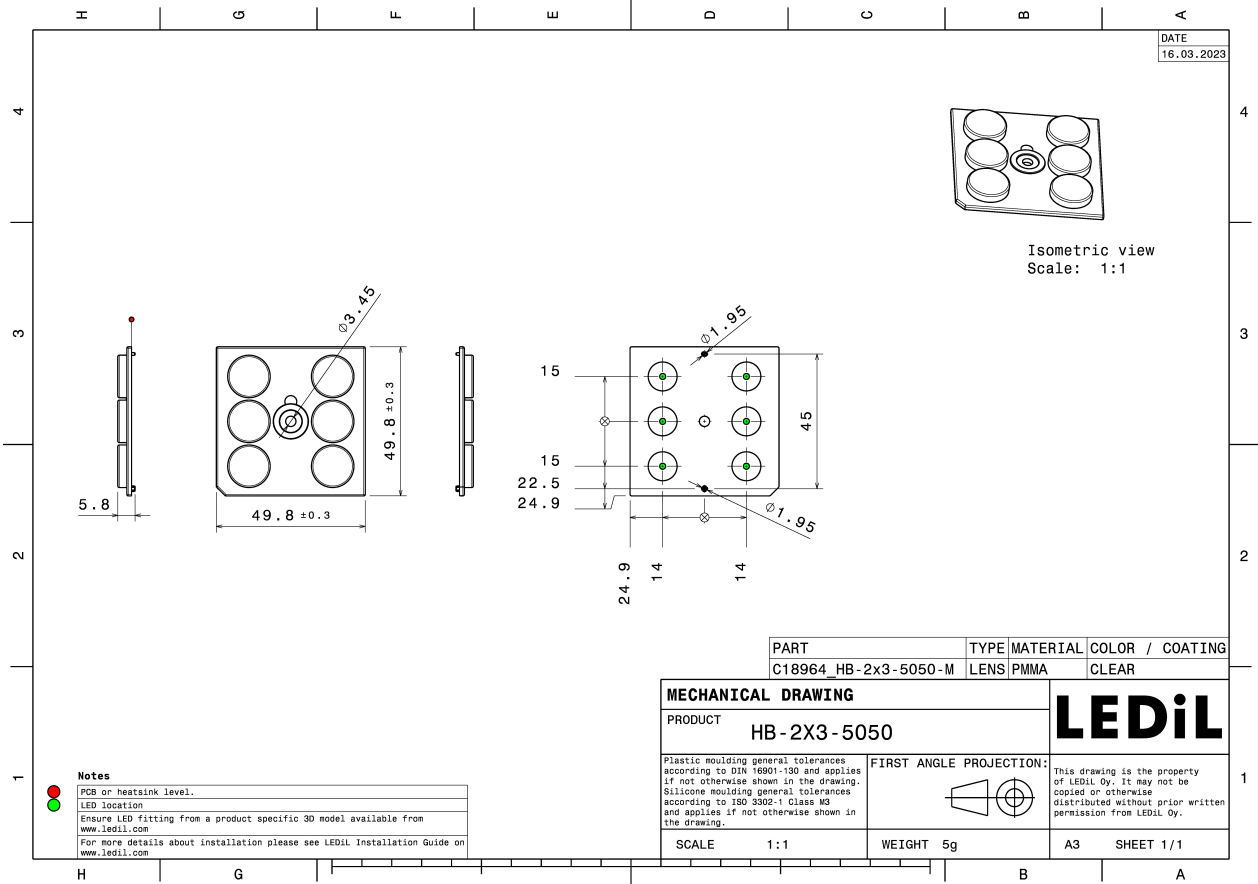
### MATERIALS:

Component	Type	Material	Colour	Finish
HB-2X3-5050-M	Multi-lens	PMMA		



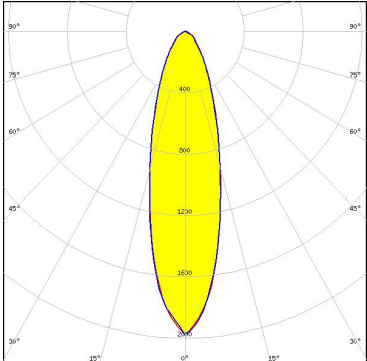
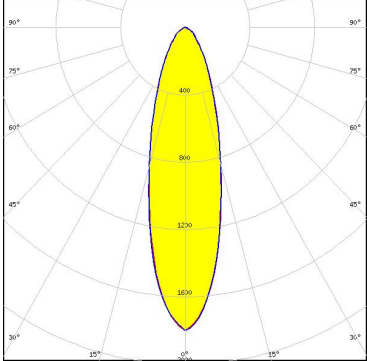
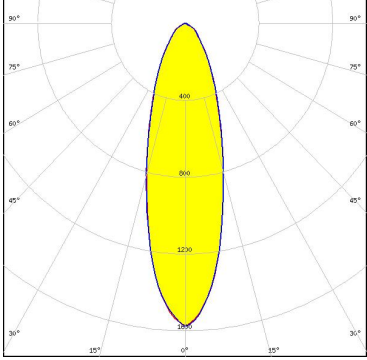
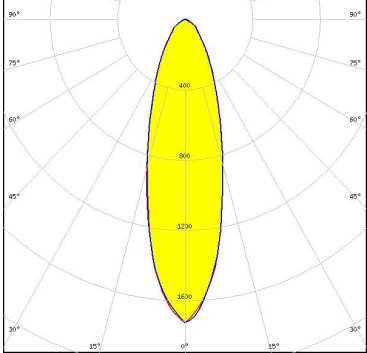
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18964_HB-2X3-5050-M » Box size: 480 x 280 x 300 mm	1200	1200	240	6.8



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

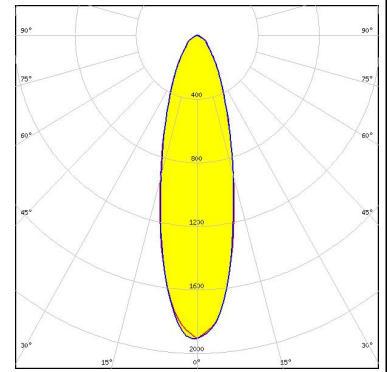
#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LEDs</p> <p>LED J Series 5050 Round LES            FWHM / FWTM 28.0° / 72.0°            Efficiency 94 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED J Series 5050 Round LES            FWHM / FWTM 28.0° / 72.0°            Efficiency 86 %            Peak intensity 1.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>CREE</b> LEDs</p> <p>LED J Series 5050B 6V K Class            FWHM / FWTM 30.0° / 78.0°            Efficiency 85 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>CREE</b> LEDs</p> <p>LED J Series 5050B 6V K Class            FWHM / FWTM 30.0° / 78.0°            Efficiency 94 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

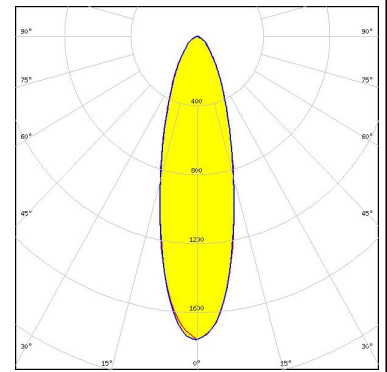
#### OPTICAL RESULTS (SIMULATED):



LED J Series 5050C 6V E Class  
 FWHM / FWTM 30.0° / 74.0°  
 Efficiency 94 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



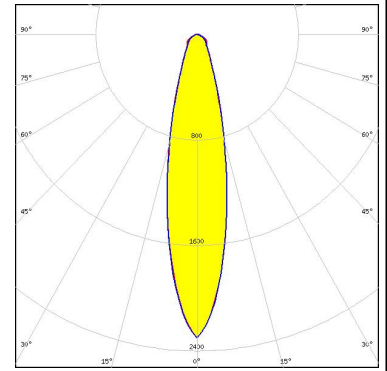
LED J Series 5050C 6V E Class  
 FWHM / FWTM 30.0° / 74.0°  
 Efficiency 86 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



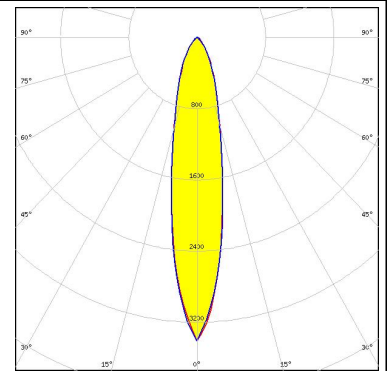
Protective plate, glass



LED LUXEON 5050 Square LES  
 FWHM / FWTM 24.0° / 57.0°  
 Efficiency 89 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



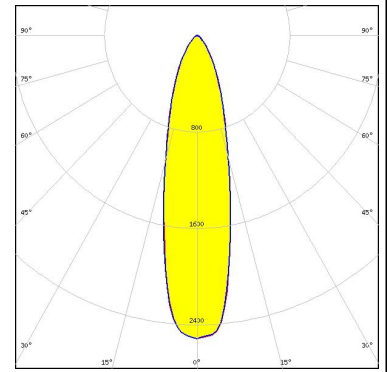
LED Duris S5 (2 chip)  
 FWHM / FWTM 20.0° / 58.0°  
 Efficiency 96 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED	LM301B
FWHM / FWTM	26.0° / 65.0°
Efficiency	96 %
Peak intensity	2.5 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.

### 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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