

STRADELLA-16-HB-M2

~60° medium beam for industrial applications.
Improved version with excellent cutoff and low glare.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	3.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ




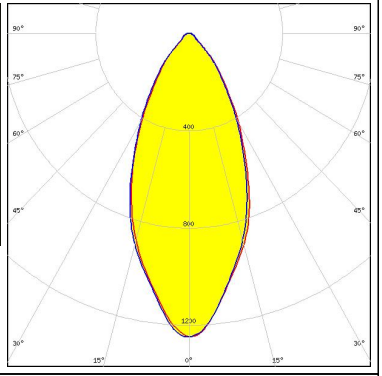

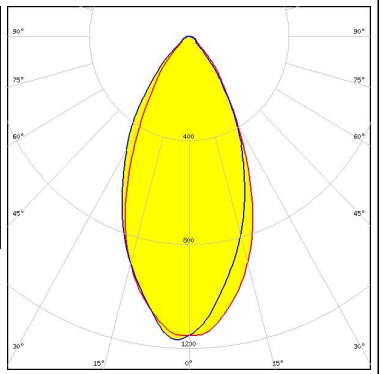
MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-M2	Multi-lens	PMMA	clear	


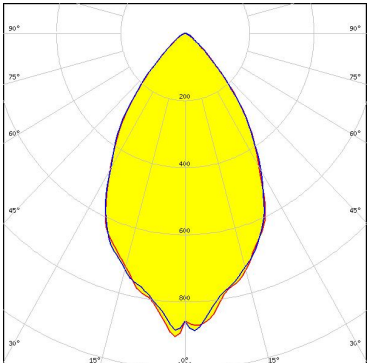

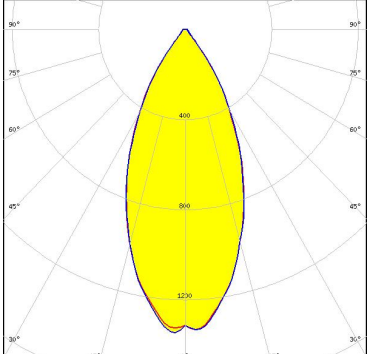

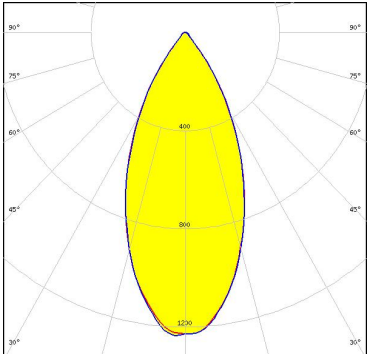

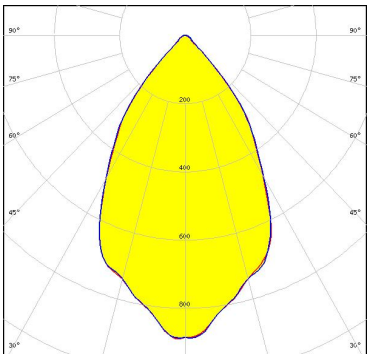
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16800_STRADELLA-16-HB-M2 » Box size: 480 x 280 x 300 mm	800	160	160	4.6

OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED J Series 3030 FWHM / FWTM 47.0° / 88.0° Efficiency 97 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>ELECTRIO</p> <p>LED EHP-223.5x50-1604-xx-70-LS30-06-NTC FWHM / FWTM 49.0° / 89.0° Efficiency 97 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

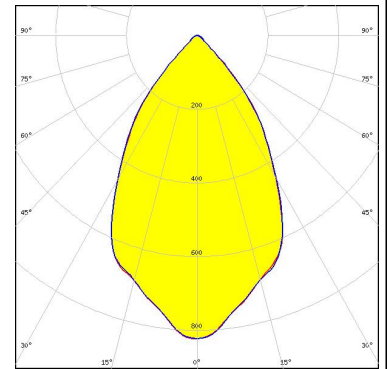
<p> bridgelux</p> <p>LED: Bridgelux SMD 2835 FWHM / FWTM: 61.0 + 62.0° / 96.0° Efficiency: 96 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> bridgelux</p> <p>LED: CSP 2727 (BXCP) FWHM / FWTM: 46.0° / 78.0° Efficiency: 95 % Peak intensity: 1.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> bridgelux</p> <p>LED: CSP 2727 (BXCP) FWHM / FWTM: 47.0 + 46.0° / 78.0° Efficiency: 87 % Peak intensity: 1.2 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> LUMILEDS</p> <p>LED: LUXEON 2835 Line FWHM / FWTM: 63.0° / 92.0° Efficiency: 95 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED LUXEON 2835 Line
 FWHM / FWTM 63.0° / 92.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

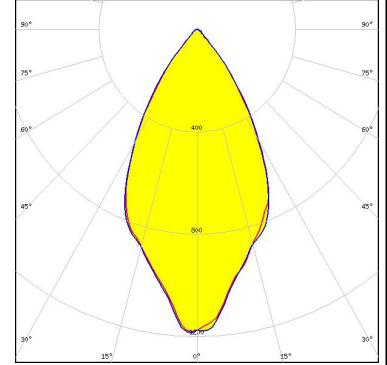
Protective plate, glass



OSRAM

Opto Semiconductors

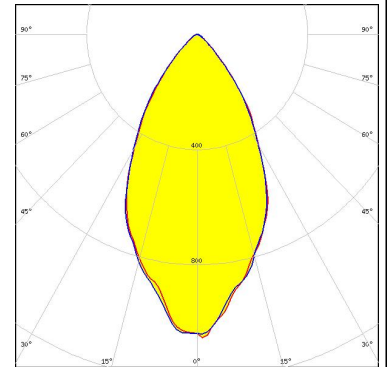
LED OSCONIQ C 2424
 FWHM / FWTM 56.0° / 84.0°
 Efficiency 96 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

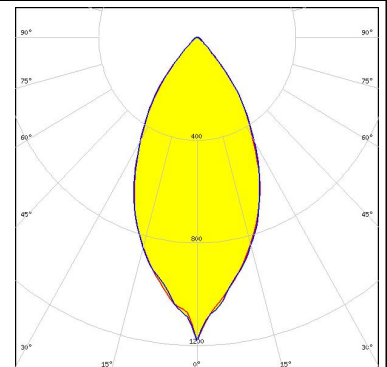
Opto Semiconductors

LED OSCONIQ S 3030 (QSLR31)
 FWHM / FWTM 55.0° / 92.0°
 Efficiency 96 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH231B
 FWHM / FWTM 50.0° / 86.0°
 Efficiency 95 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

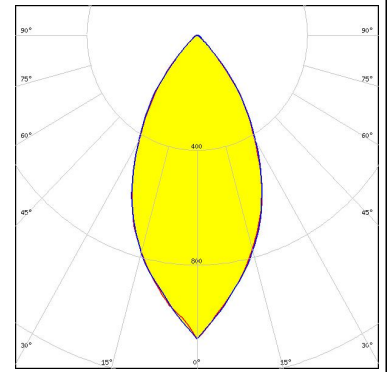


OPTICAL RESULTS (SIMULATED):

SAMSUNG

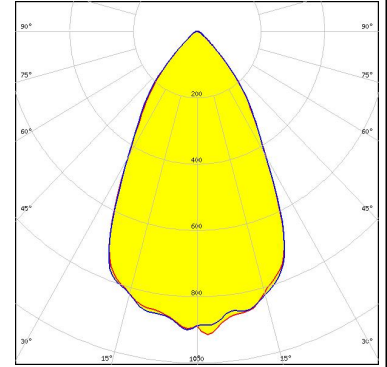
LED LH231B
 FWHM / FWTM 52.0° / 88.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



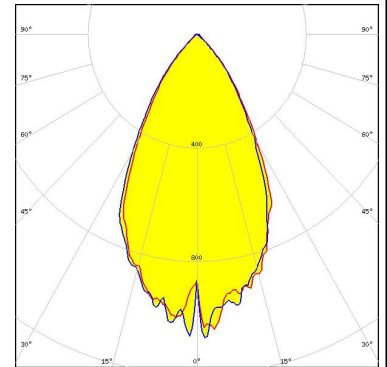
SAMSUNG

LED LM28xB Series
 FWHM / FWTM 58.0° / 94.0°
 Efficiency 96 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

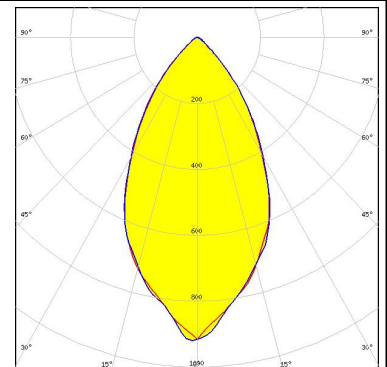
LED LM301B
 FWHM / FWTM 55.0° / 87.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LM302Z plus
 FWHM / FWTM 56.0° / 94.0°
 Efficiency 87 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

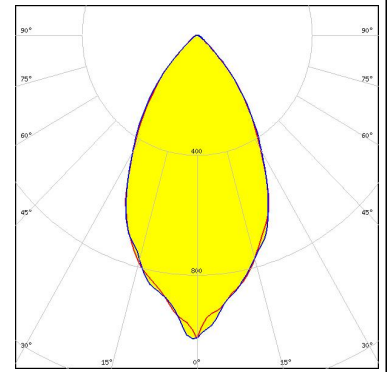
Protective plate, glass



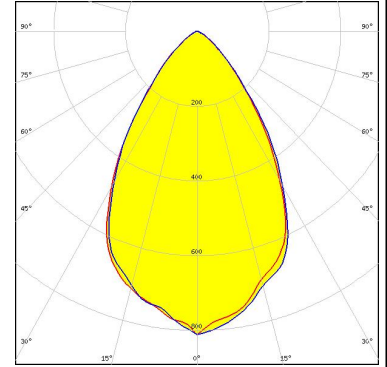
OPTICAL RESULTS (SIMULATED):

SAMSUNG

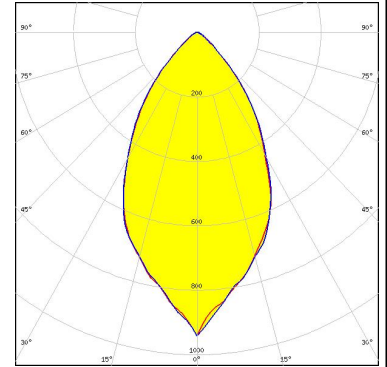
LED LM302Z plus
 FWHM / FWTM 56.0° / 93.0°
 Efficiency 96 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEoul SEMIConDUCTOR
 LED SEOUL DC 3030C
 FWHM / FWTM 65.0° / 102.0°
 Efficiency 96 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEoul SEMIConDUCTOR
 LED SEOUL DC 3528
 FWHM / FWTM 58.0° / 98.0°
 Efficiency 95 %
 Peak intensity 0.9 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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