

HB-IP-2X6-G2-W

~60° wide beam

SPECIFICATION:

Dimensions	172.0 x 71.0 mm
Height	8.2 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

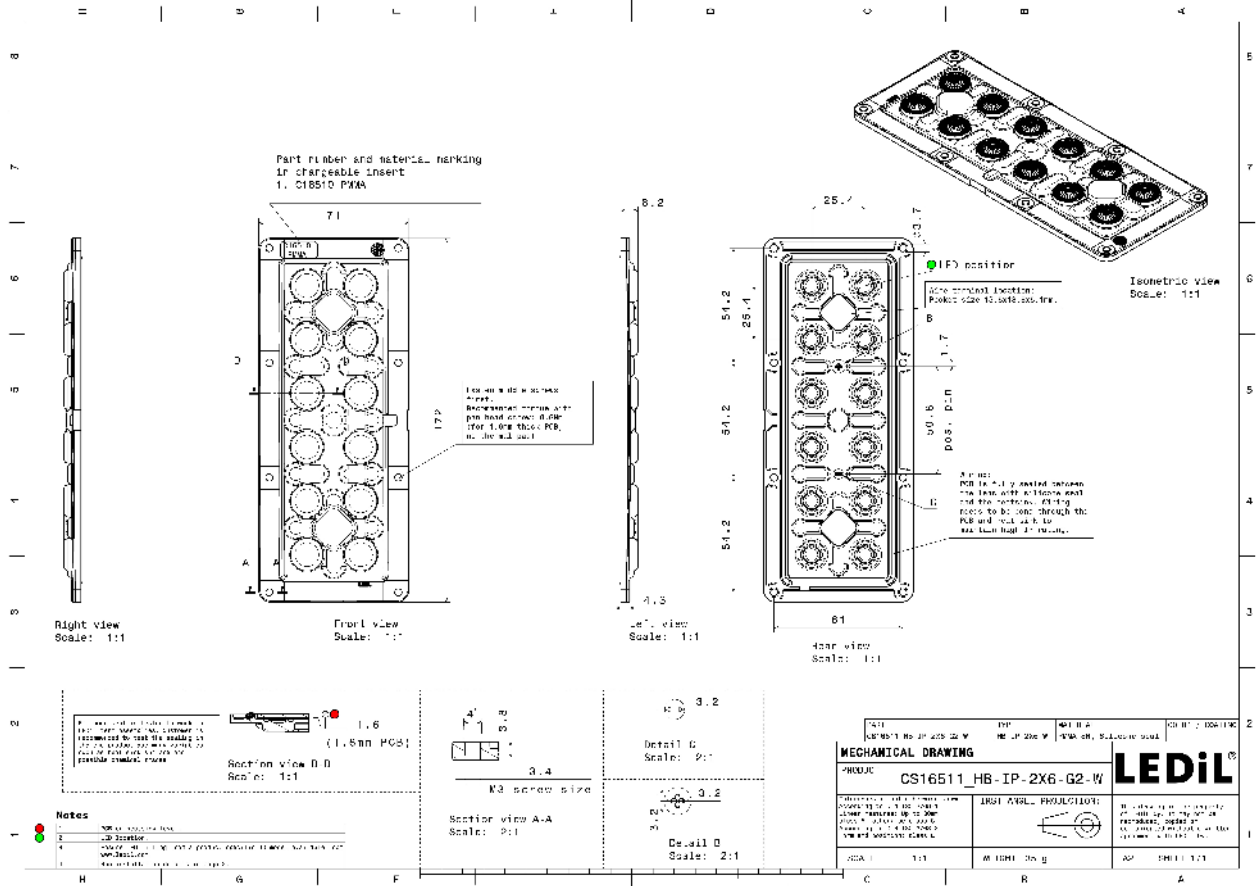
MATERIALS:

Component	Type	Material	Colour	Finish
HB-IP-2X6-G2-W	Multi-lens	PMMA	clear	
SEAL-IP-2X6-G2	Seal	Silicone	white	



ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16511_HB-IP-2X6-G2-W » Box size: 476 x 273 x 247 mm	Multi-lens	132	44	44	5.8

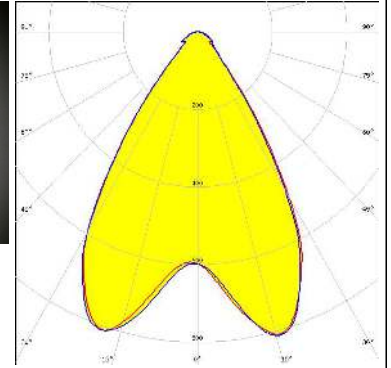


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

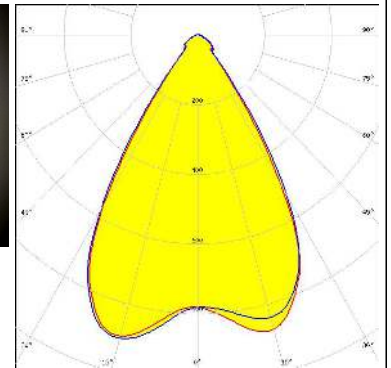
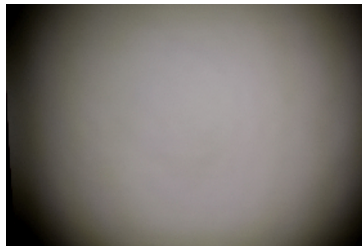
CREE LED

LED XP-L2
 FWHM / FWTM 66.0° / 89.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



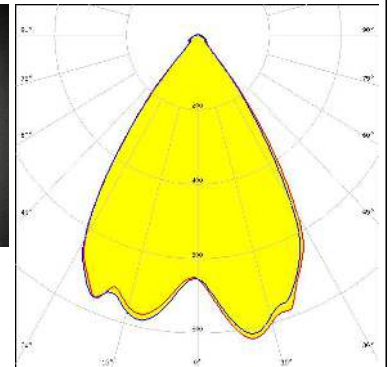
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 64.0° / 81.0°
 Efficiency 97 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



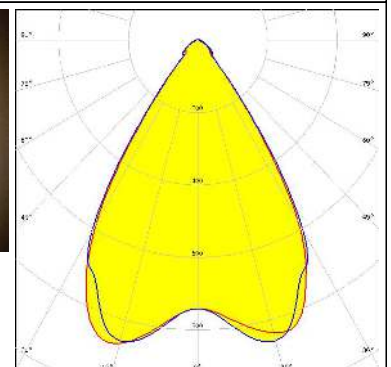
NICHIA

LED NVSW519A
 FWHM / FWTM 68.0° / 84.0°
 Efficiency 98 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:


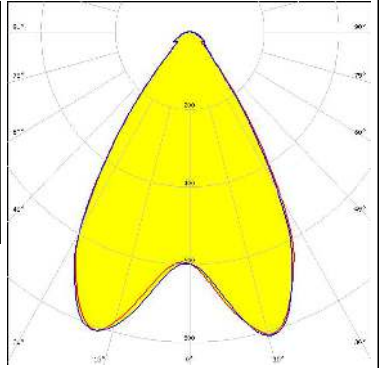

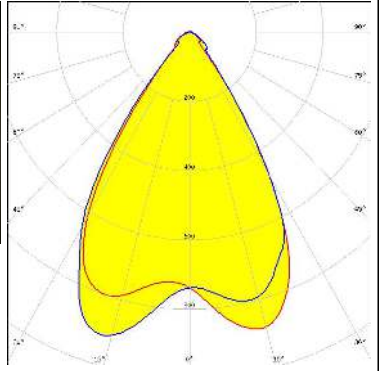

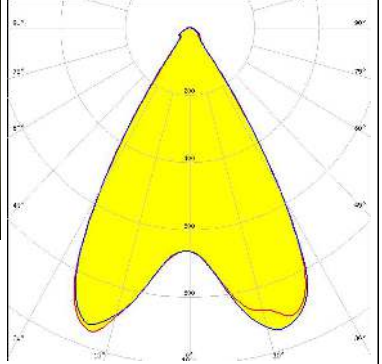


SAMSUNG


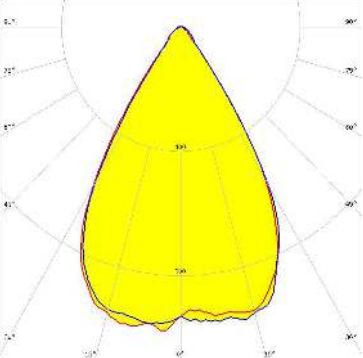

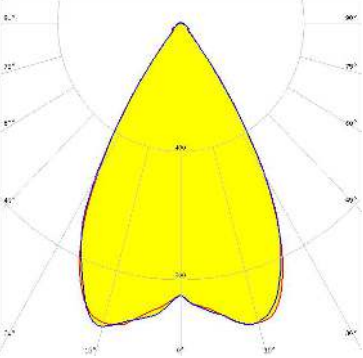

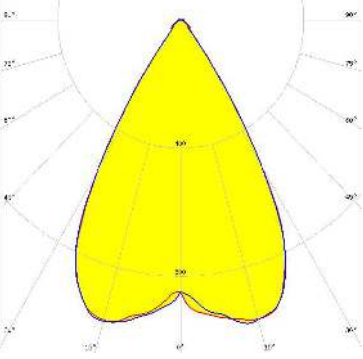

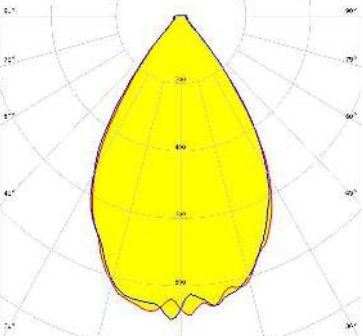
LED HiLOM RM12 ZP (LH502C)
 FWHM / FWTM 66.0° / 82.0°
 Efficiency 97 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



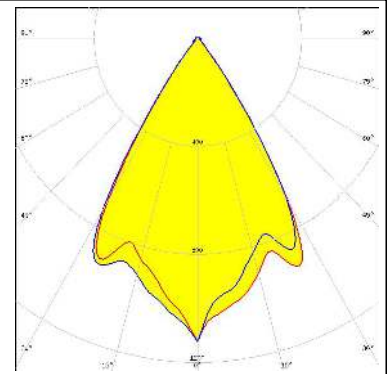
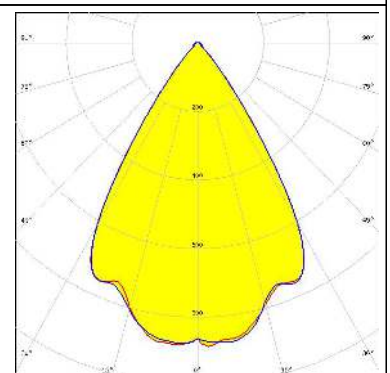
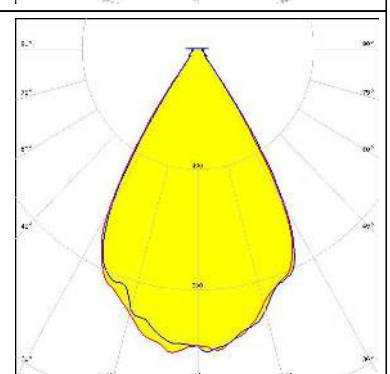
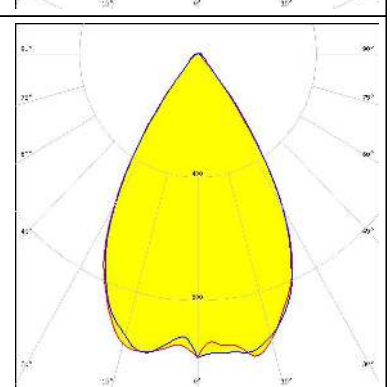
OPTICAL RESULTS (MEASURED):

<p>SCIOLUX</p> <p>LED ROY-S26XPL2 (XP-L2)</p> <p>FWHM / FWTM 66.0° / 89.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED 2x6 5050 module - SMJD-3625012F-XX</p> <p>FWHM / FWTM 68.0° / 85.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 63.0° / 76.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

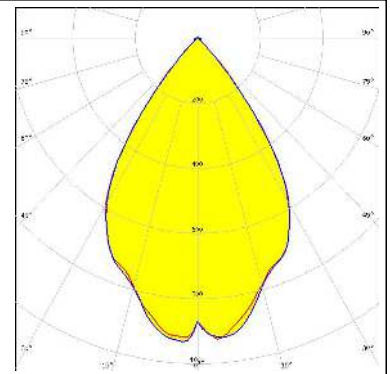
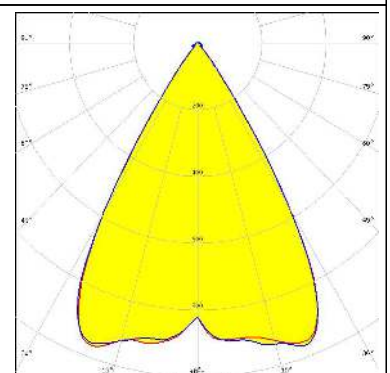
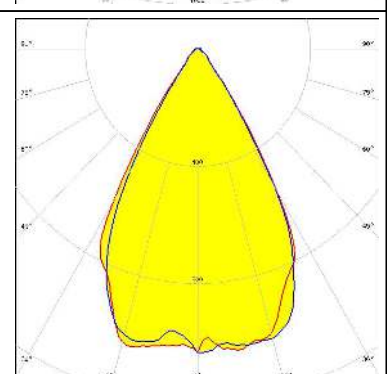
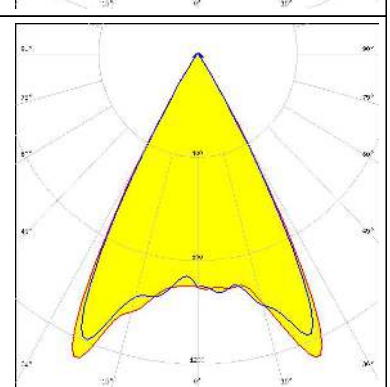
OPTICAL RESULTS (SIMULATED):

<p> LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 62.0° / 81.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED CREE J Series 5050 Round LES</p> <p>FWHM / FWTM 62.0° / 79.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED CREE J Series 5050B 6V K Class</p> <p>FWHM / FWTM 62.0° / 78.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED CREE MHB-A/B</p> <p>FWHM / FWTM 65.6° / 90.3°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE ⇄ LED</p> <p>LED: XP-G2 FWHM / FWTM: 63.0° / 77.0° Efficiency: 94 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE ⇄ LED</p> <p>LED: XP-G2 HE FWHM / FWTM: 66.0° / 84.0° Efficiency: 94 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE ⇄ LED</p> <p>LED: XP-G3 FWHM / FWTM: 62.4° / 78.1° Efficiency: 92 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NFMW48xA FWHM / FWTM: 62.4° / 82.8° Efficiency: 94 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

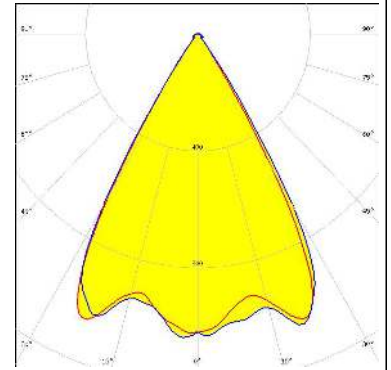
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM 68.0° / 86.0° Efficiency 95 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM</p> <p>LED PrevaLED Brick HP IP 2x6 FWHM / FWTM 62.0° / 75.0° Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM / FWTM 58.3° / 77.5° Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3030 FWHM / FWTM 58.0° / 66.0° Efficiency 95 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

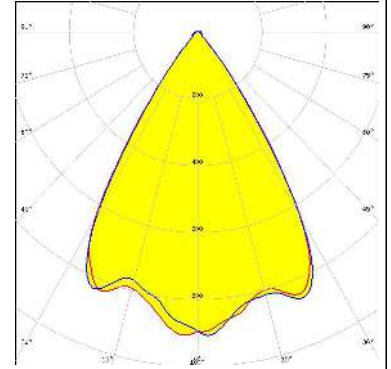
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 62.0° / 78.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



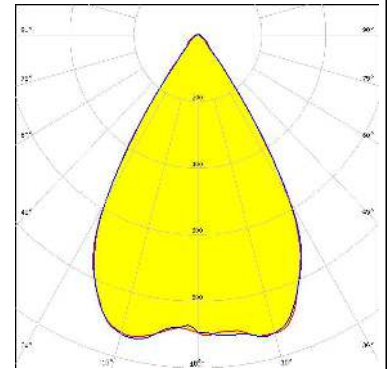
SAMSUNG

LED LH351B
 FWHM / FWTM 65.0° / 82.0°
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



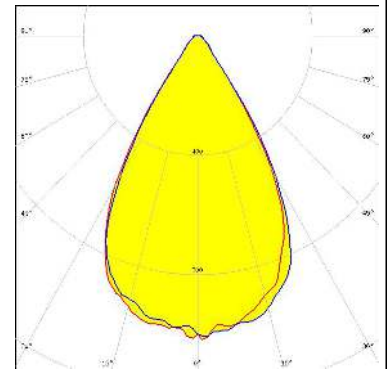
SAMSUNG

LED LH502C
 FWHM / FWTM 64.0° / 80.0°
 Efficiency 95 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


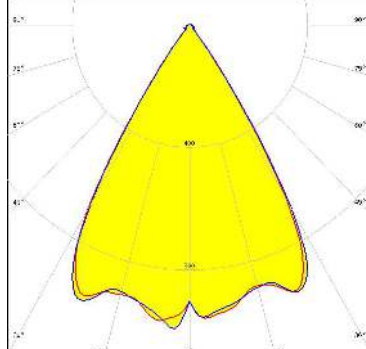

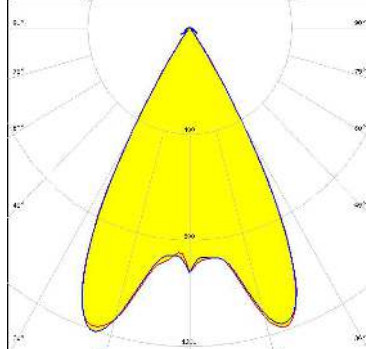


SAMSUNG

LED LH508A
 FWHM / FWTM 60.9° / 80.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 63.0° / 76.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 56.0° / 68.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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