

HB-IP-24-O

~40° + 75° oval beam for aisle lighting

SPECIFICATION:

Dimensions	173.0 x 71.4 mm
Height	10 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

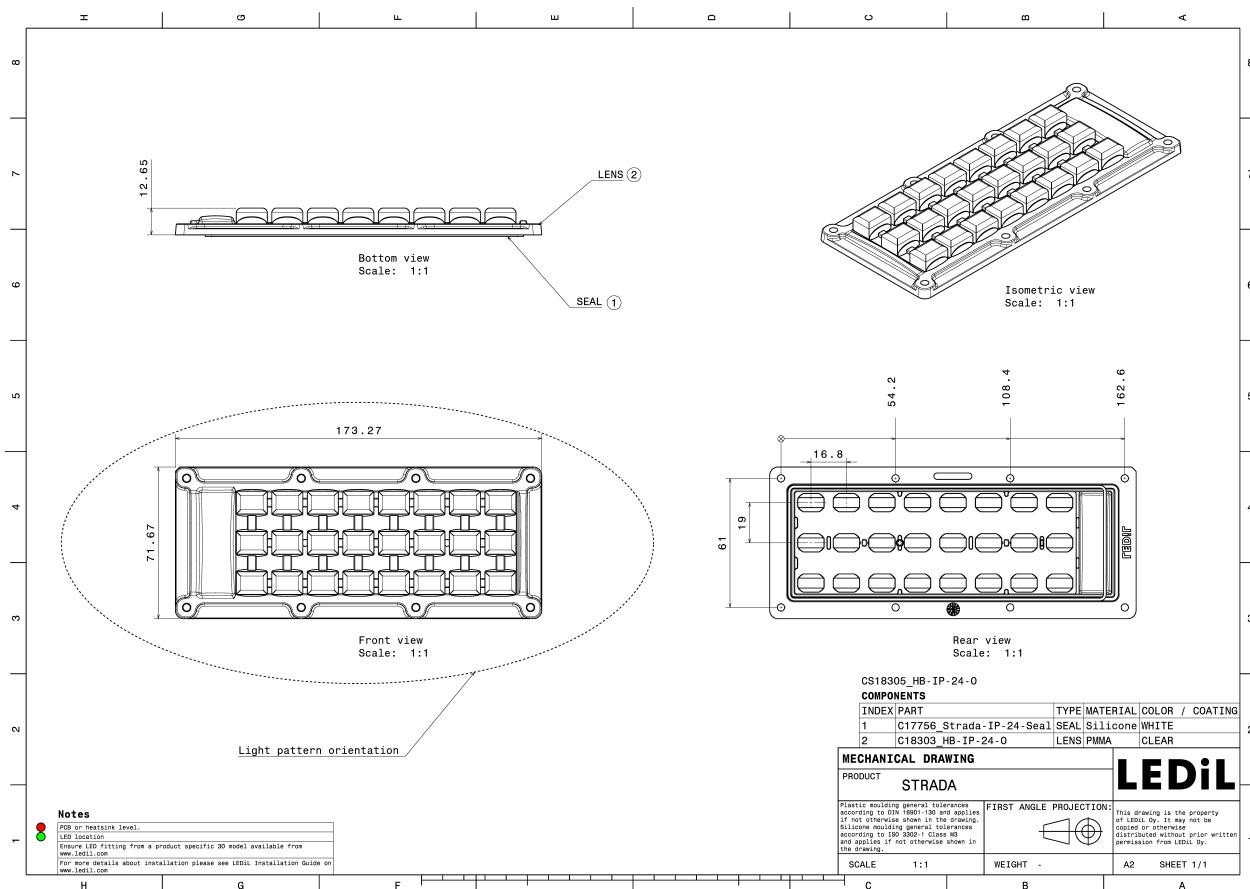
MATERIALS:

Component	Type	Material	Colour	Finish
HB-IP-24-O	Multi-lens	PMMA	clear	
STRADA-IP-24-SEAL	Seal	Silicone	white	



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS18305_HB-IP-24-O	108	108	36	8.3
» Box size: 476 x 273 x 247 mm				

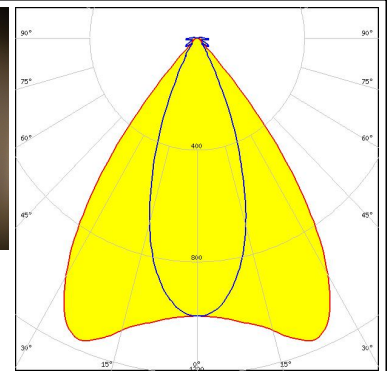
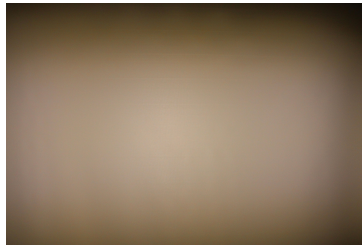


See also our general installation guide: www.ledil.com/installation_guide

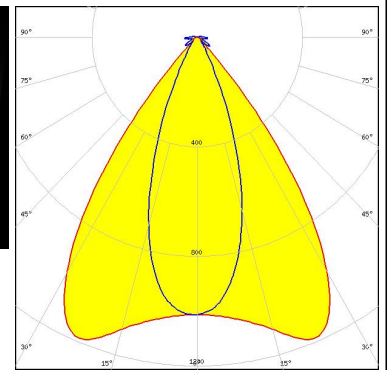
OPTICAL RESULTS (MEASURED):



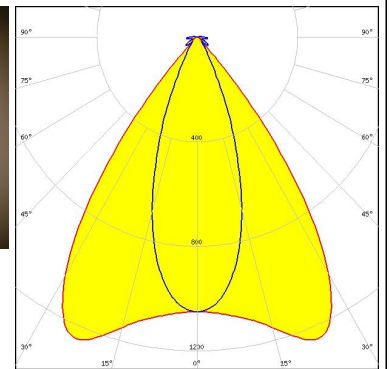
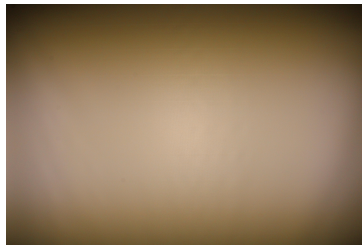
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5
 FWHM / FWTM 73.0 + 39.0° / 88.0 + 63.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



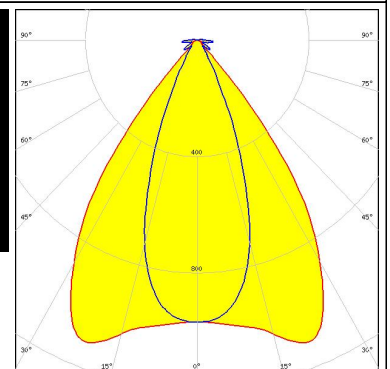
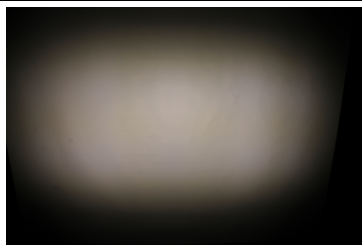
LED LUXEON 5050 Square LES
 FWHM / FWTM 73.0 + 38.0° / 88.0 + 63.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON XR-5050 HE (L225-xxxx024MLU010)
 FWHM / FWTM 72.0 + 37.0° / 86.0 + 62.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



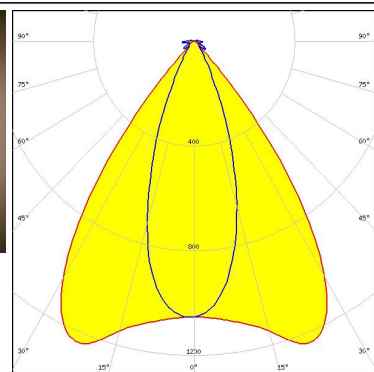
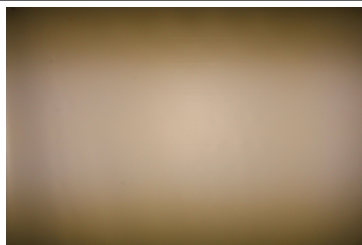
LED Duris S8
 FWHM / FWTM 74.0 + 40.0° / 88.0 + 63.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

SAMSUNG

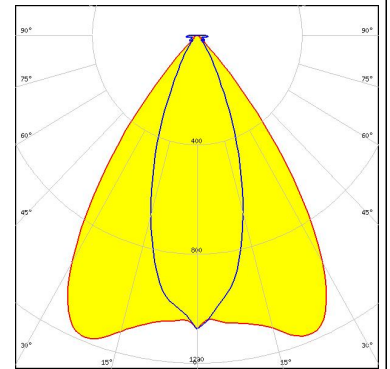
LED HiLOM RM24 ZP (LH502D)
 FWHM / FWTM 73.0 + 37.0° / 87.0 + 62.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



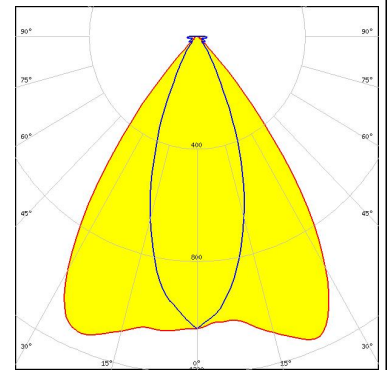
OPTICAL RESULTS (SIMULATED):



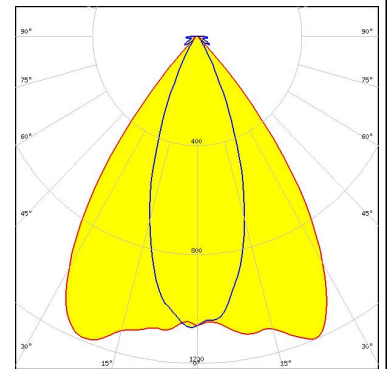
LED J Series 5050C 6V E Class
FWHM / FWTM 72.0 + 36.0° / 88.0 + 64.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



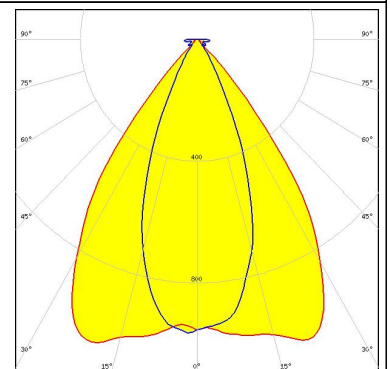
LED LUXEON 5050 HE
FWHM / FWTM 72.0 + 38.0° / 88.0 + 66.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 72.0 + 38.0° / 88.0 + 62.0°
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



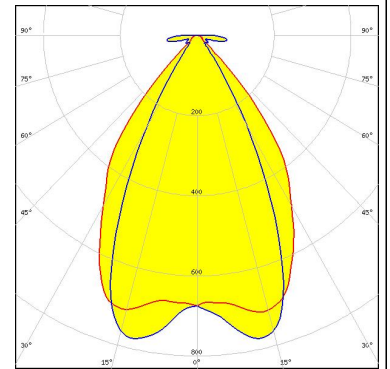
LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2
FWHM / FWTM 74.0 + 42.0° / 90.0 + 66.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



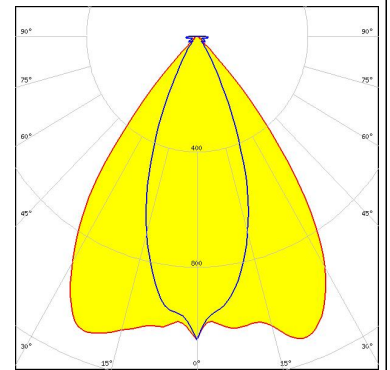
OPTICAL RESULTS (SIMULATED):



LED NF2x757G
 FWHM / FWTM 74.0 + 54.0° / 94.0 + 165.0°
 Efficiency 86 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:

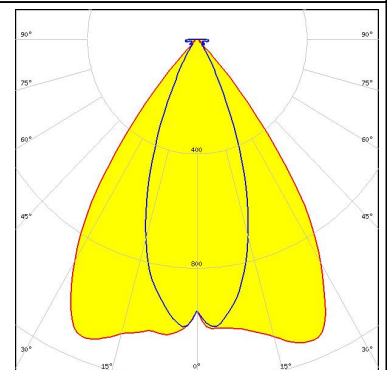


LED NFMW48xA
 FWHM / FWTM 74.0 + 40.0° / 90.0 + 64.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



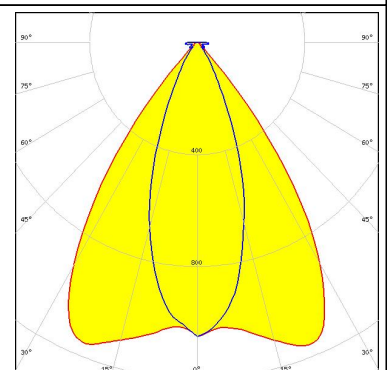
SAMSUNG

LED HiLOM RM24 ZP (LH502C)
 FWHM / FWTM 72.0 + 40.0° / 88.0 + 65.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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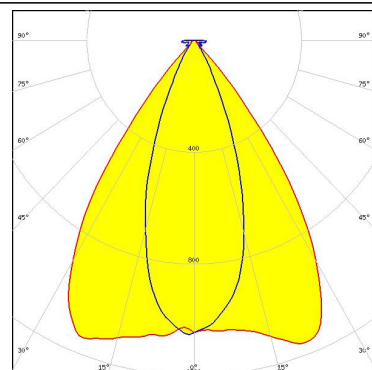
LED LH502D
 FWHM / FWTM 72.0 + 38.0° / 88.0 + 66.0°
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

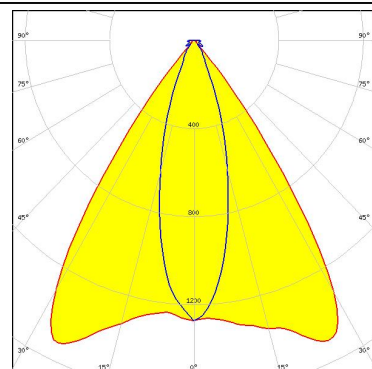
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LED LH508C
FWHM / FWTM 72.0 + 38.0° / 86.0 + 64.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



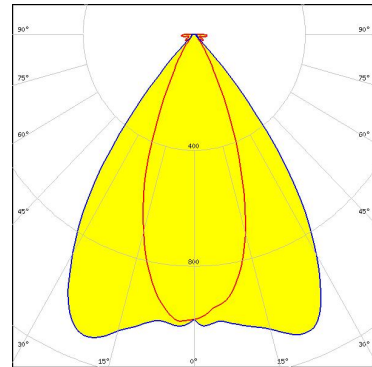
SAMSUNG

LED LM301D
FWHM / FWTM 70.0 + 29.0° / 82.0 + 54.0°
Efficiency 91 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V
FWHM / FWTM 72.0 + 40.0° / 88.0 + 66.0°
Efficiency 90 %
Peak intensity 1.1 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:

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