

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 ⓘ

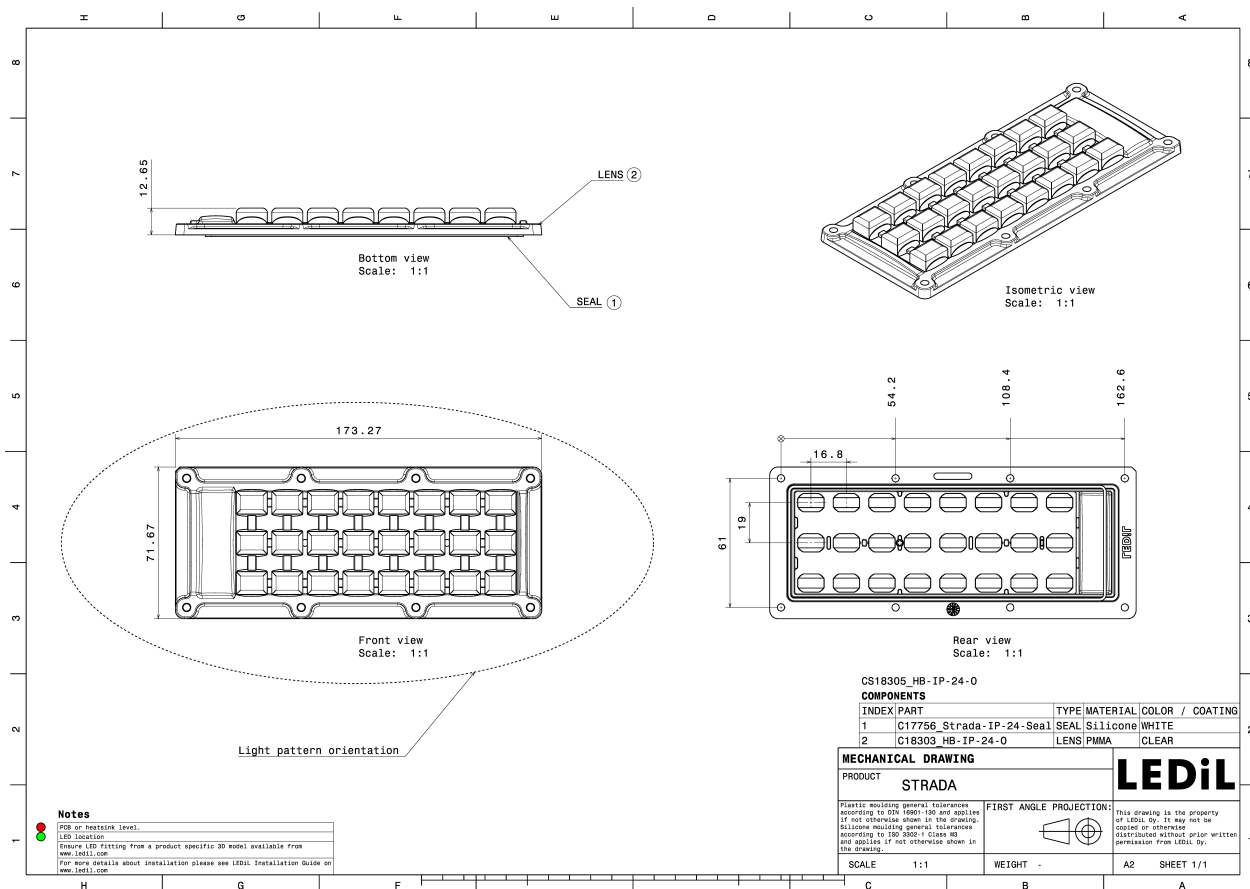
MATERIALS:

Component	Type	Material	Colour	Finish	Length
HB-IP-24-O	Multi-lens	PMMA	clear		173.0
STRADA-IP-24-SEAL	Seal	Silicone	white		165.0

ORDERING INFORMATION:

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



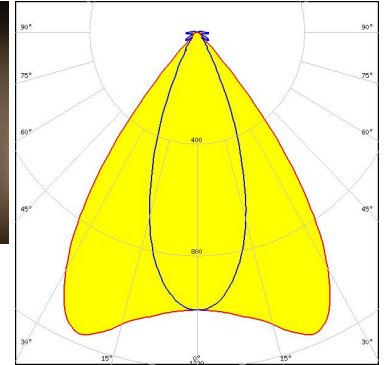


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



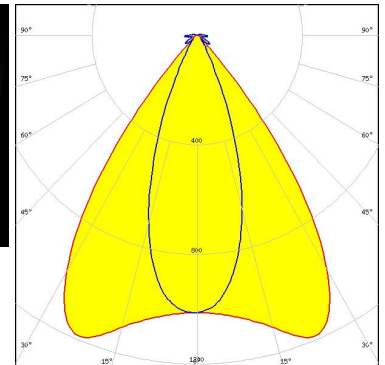
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5
 FWHM / FWTM 73.0 + 39.0° / 88.0 + 63.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



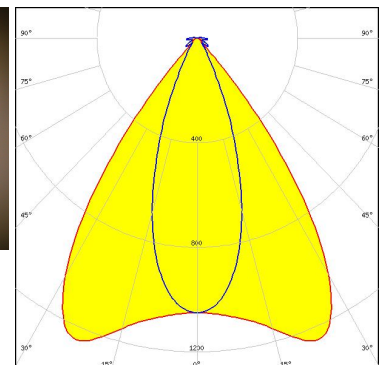
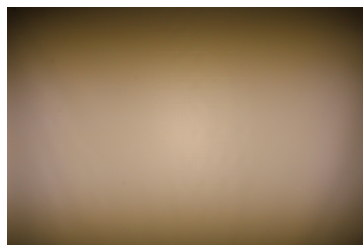
LED LUXEON 5050 Square LES
 FWHM / FWTM 73.0 + 38.0° / 88.0 + 63.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

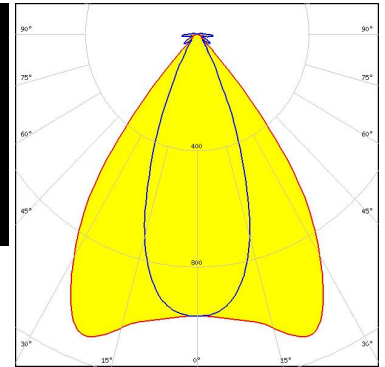


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

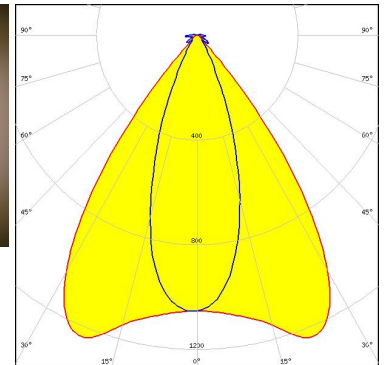
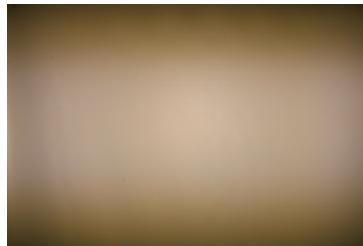
LED Duris S8
FWHM / FWTM 74.0 + 40.0° / 88.0 + 63.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

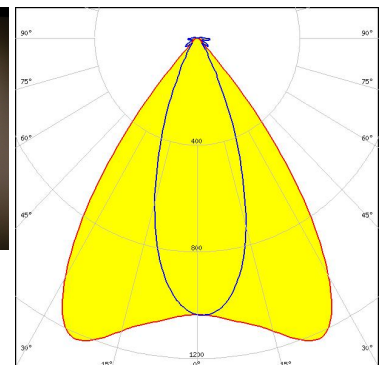
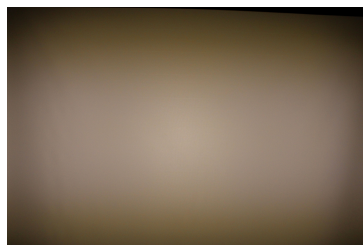
LED HiLOM RM24 ZP (LH502D)
FWHM / FWTM 73.0 + 37.0° / 87.0 + 62.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

LED RLE 3x8 6000lm HP HE EXC3 OTD
FWHM / FWTM 72.0 + 37.0° / 87.0 + 63.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

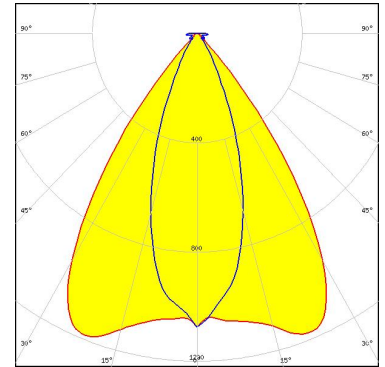


Light distribution files

OPTICAL RESULTS (SIMULATED):



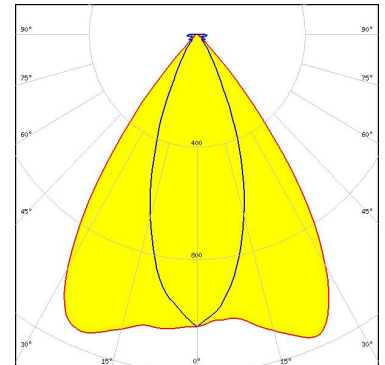
LED J Series 5050C 6V E Class
FWHM / FWTM 72.0 + 36.0° / 88.0 + 64.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



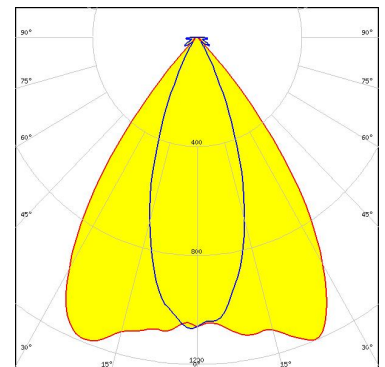
LED LUXEON 5050 HE
FWHM / FWTM 72.0 + 38.0° / 88.0 + 66.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:

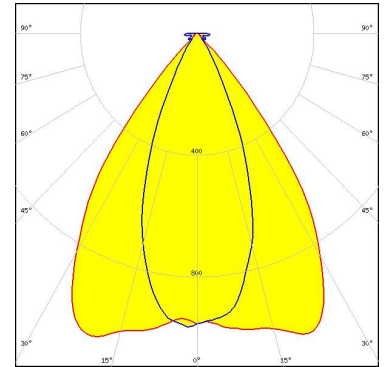


Light distribution files

OPTICAL RESULTS (SIMULATED):



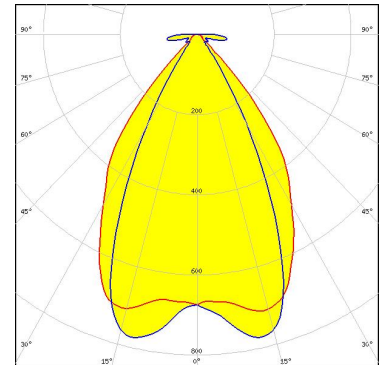
LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2
 FWHM / FWTM 74.0 + 42.0° / 90.0 + 66.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



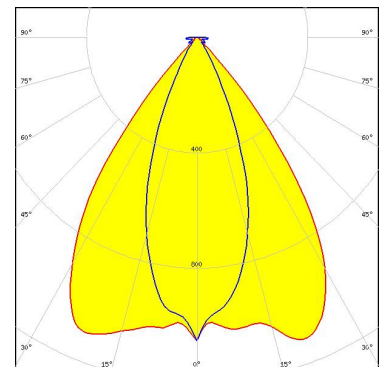
LED NF2x757G
 FWHM / FWTM 74.0 + 54.0° / 94.0 + 165.0°
 Efficiency 86 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

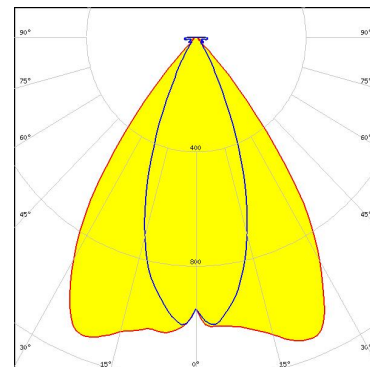


Light distribution files

OPTICAL RESULTS (SIMULATED):

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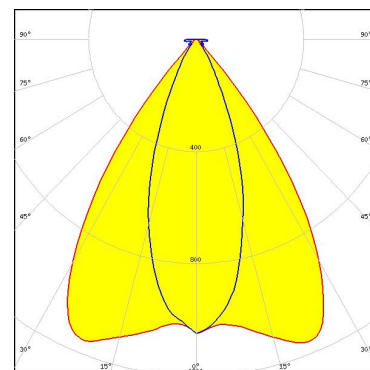
LED	HiLOM RM24 ZP (LH502C)
FWHM / FWTM	72.0 + 40.0° / 88.0 + 65.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

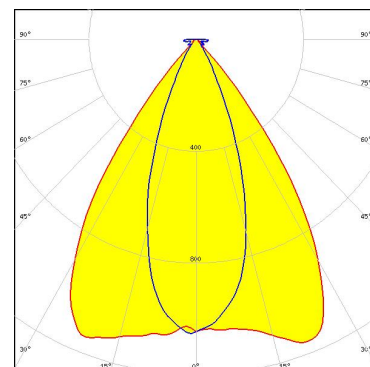
LED	LH502D
FWHM / FWTM	72.0 + 38.0° / 88.0 + 66.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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/type	White
Required components:	

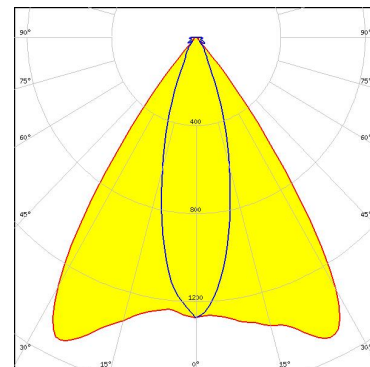


Light distribution files

OPTICAL RESULTS (SIMULATED):

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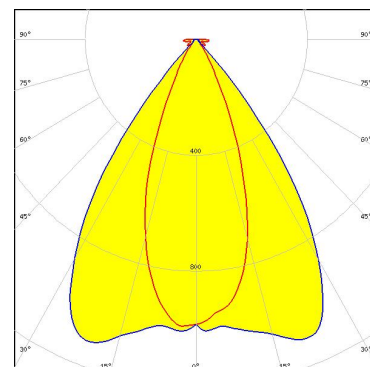
LED LM301D
FWHM / FWTM 70.0 + 29.0° / 82.0 + 54.0°
Efficiency 91 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:



Light distribution files

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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