

HB-IP-24-O

~40° + 75° oval beam for aisle lighting

SPECIFICATION:

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

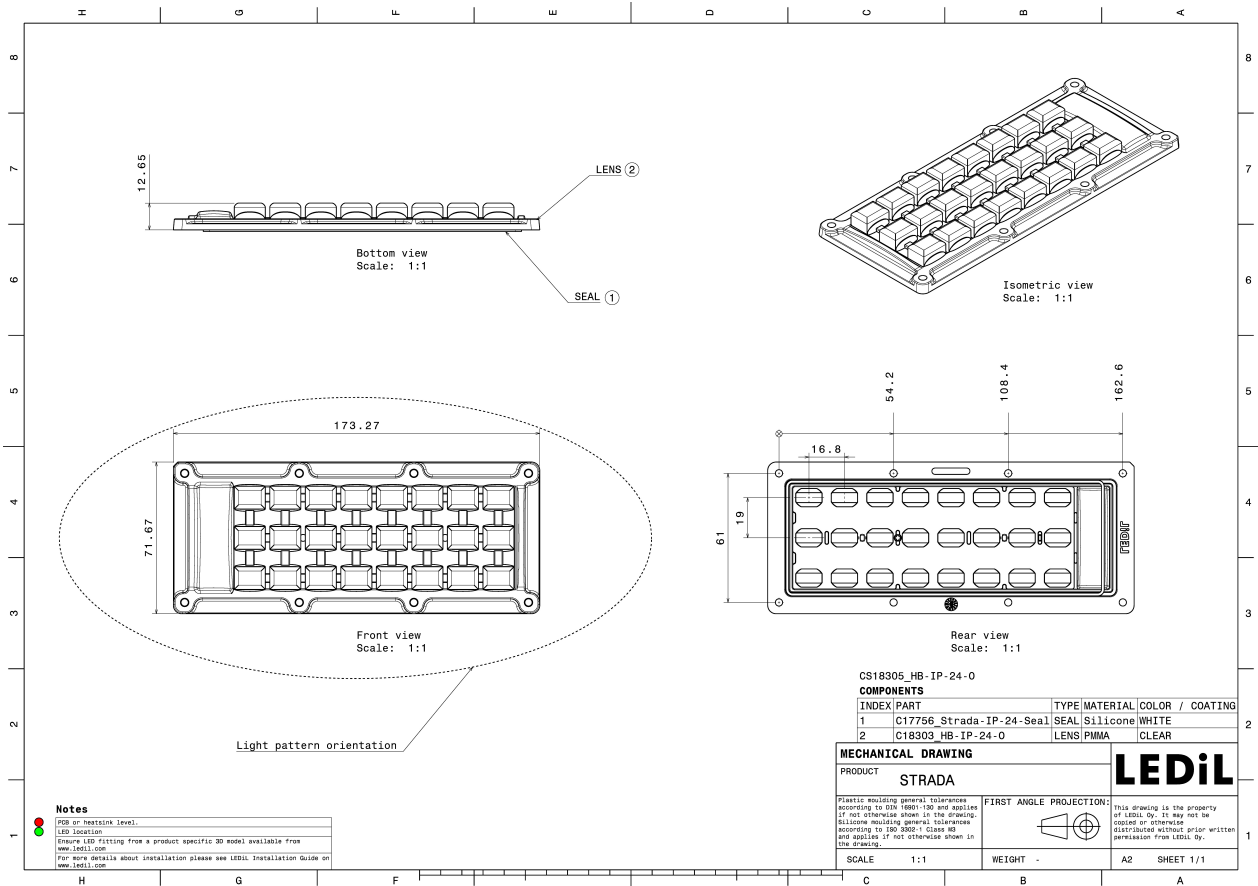
MATERIALS:

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

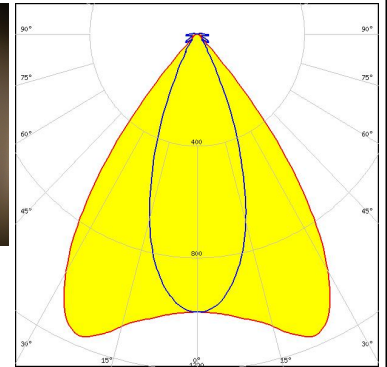
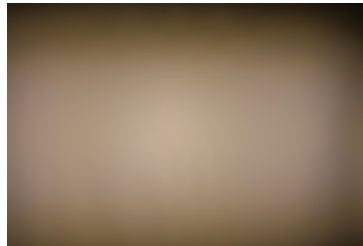


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

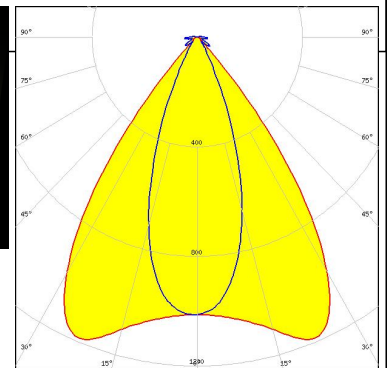


LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5
FWHM / FWTM 73.0 + 39.0° / 88.0 + 63.0°
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

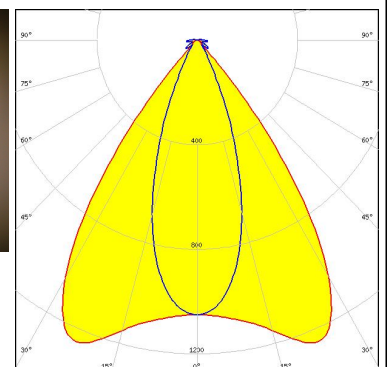
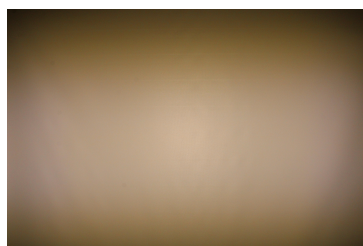
Light distribution files



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:

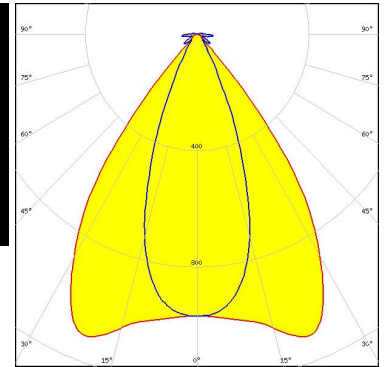


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

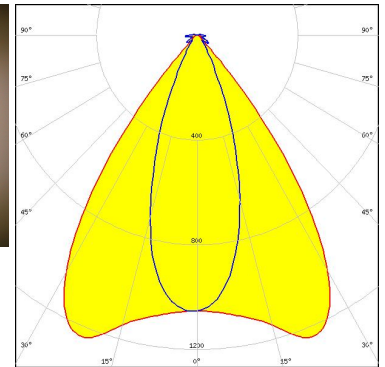
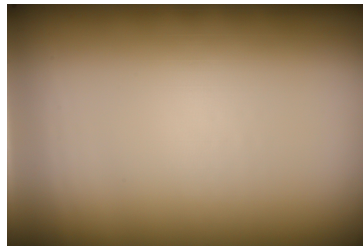
LED Duris S8
 FWHM / FWTM 74.0 + 40.0° / 88.0 + 63.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

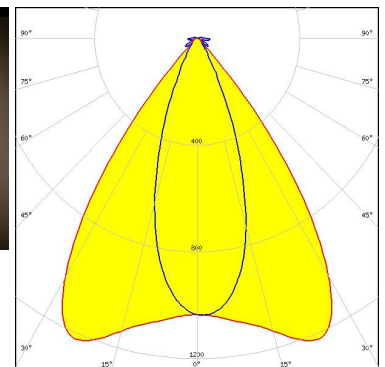
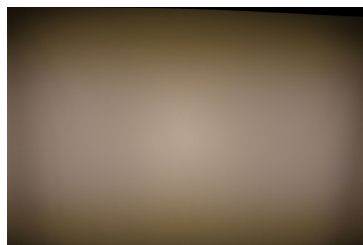
LED HiLOM RM24 ZP (LH502D)
 FWHM / FWTM 73.0 + 37.0° / 87.0 + 62.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

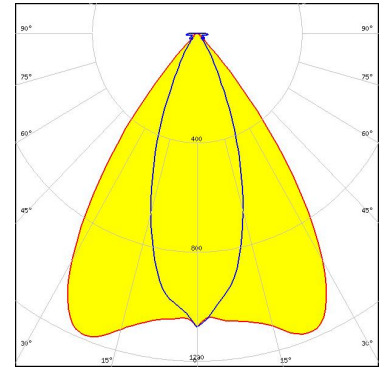


Light distribution files

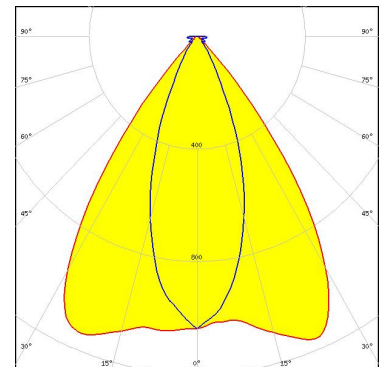
OPTICAL RESULTS (SIMULATED):



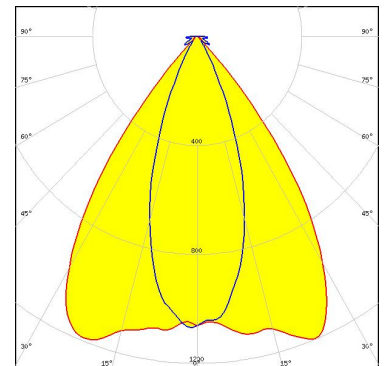
LED J Series 5050C 6V E Class
FWHM / FWTM 72.0 + 36.0° / 88.0 + 64.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:



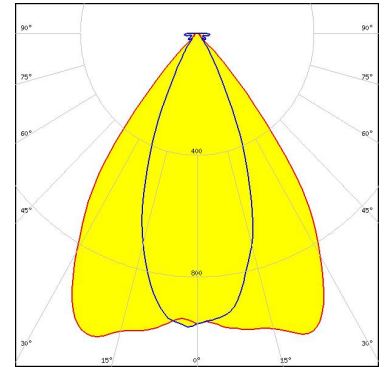
LED LUXEON 5050 Round LES
FWHM / FWTM 72.0 + 38.0° / 88.0 + 62.0°
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (SIMULATED):

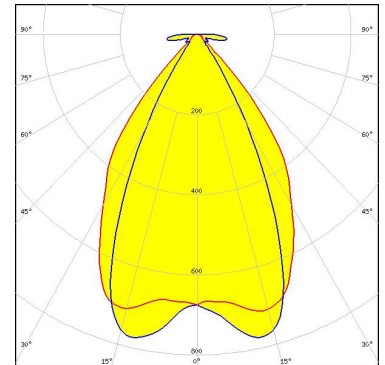
MST | *Your solutions*

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:



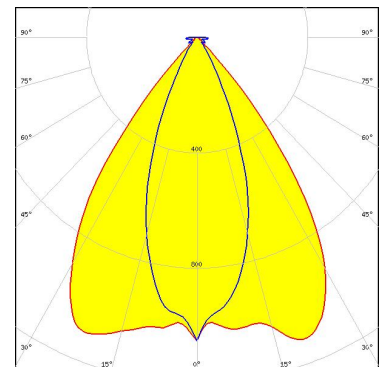
NICHIA

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:



NICHIA

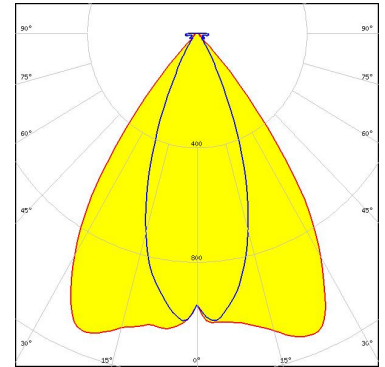
LED NFMW48xA
 FWHM / FWTM 74.0 + 40.0° / 90.0 + 64.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



OPTICAL RESULTS (SIMULATED):

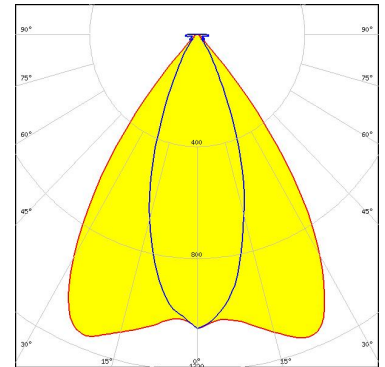
SAMSUNG

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/type White
Required components:



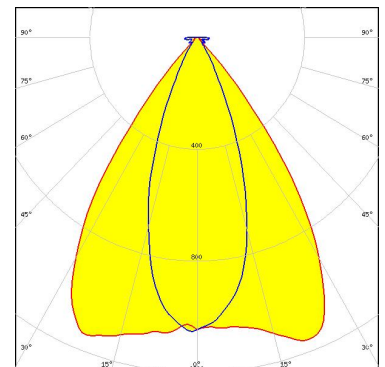
SAMSUNG

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:



SAMSUNG

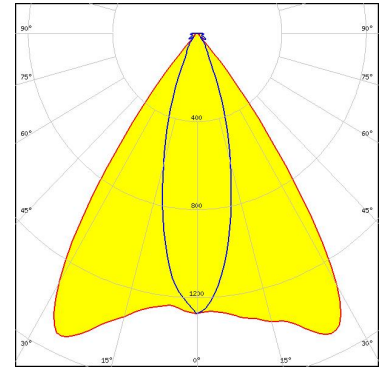
LED LH508C
FWHM / FWTM 72.0 + 38.0° / 86.0 + 64.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



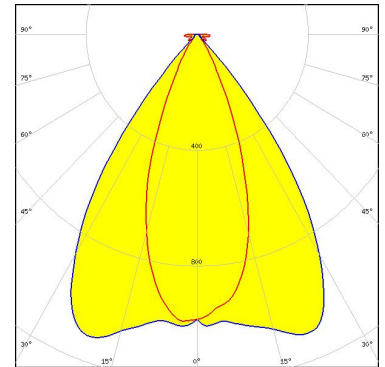
OPTICAL RESULTS (SIMULATED):

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/type White
Required components:



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:



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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