

## 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 ⓘ

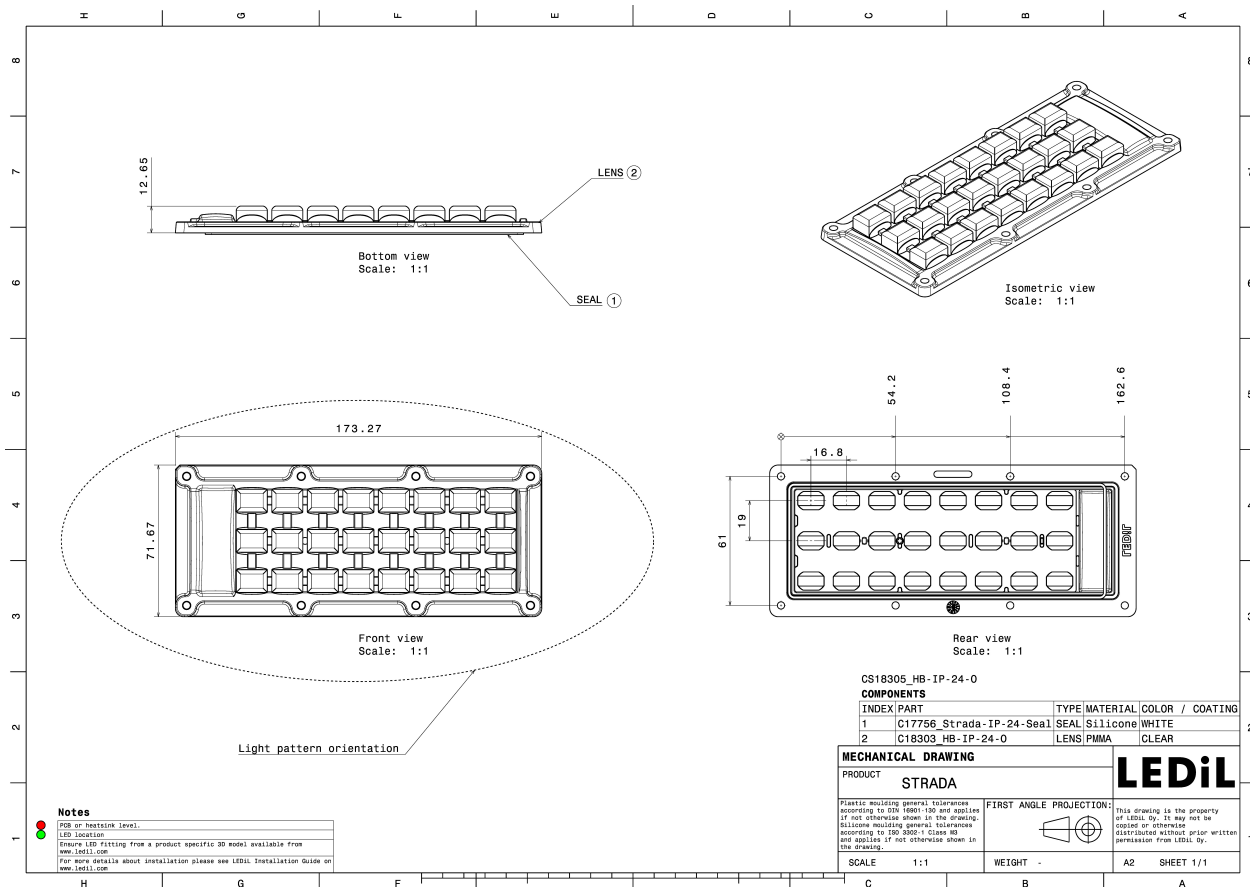
## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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				



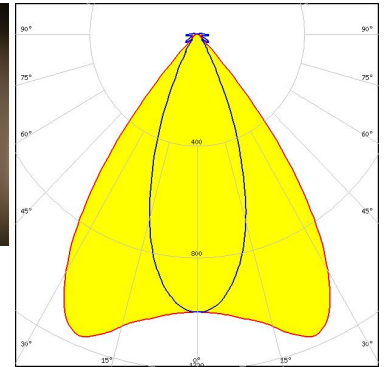
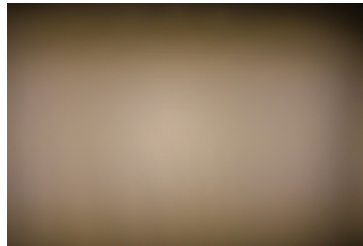


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



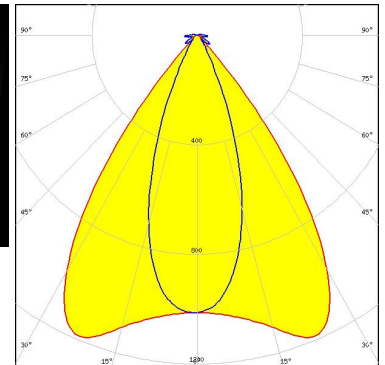
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5  
 FWHM / FWTM 73.0 + 39.0° / 88.0 + 63.0°  
 Efficiency 91 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



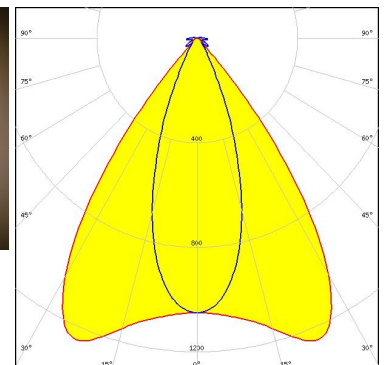
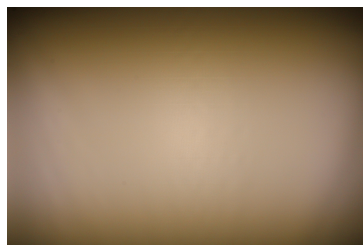
LED LUXEON 5050 Square LES  
 FWHM / FWTM 73.0 + 38.0° / 88.0 + 63.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

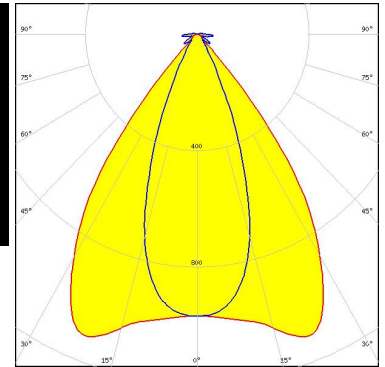


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

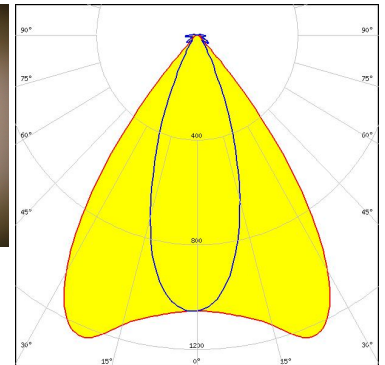
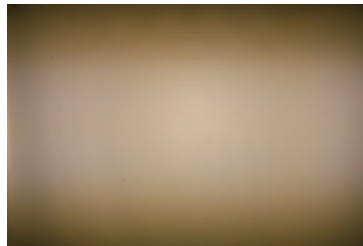
LED Duris S8  
FWHM / FWTM 74.0 + 40.0° / 88.0 + 63.0°  
Efficiency 92 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

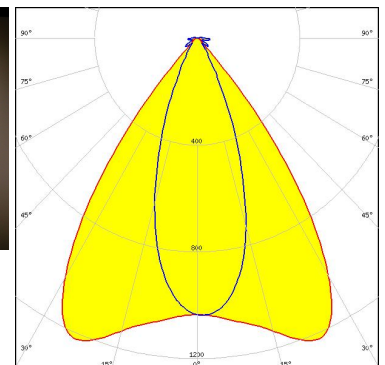
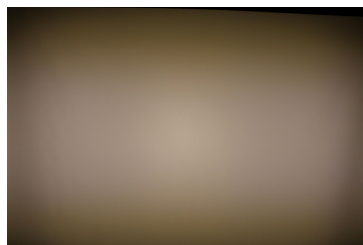
LED HiLOM RM24 ZP (LH502D)  
FWHM / FWTM 73.0 + 37.0° / 87.0 + 62.0°  
Efficiency 93 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

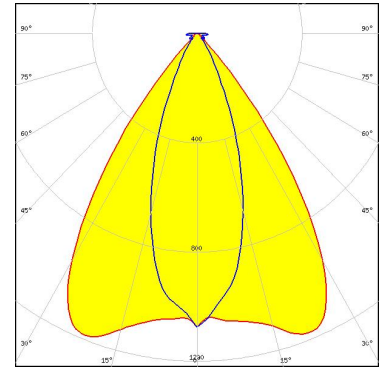


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



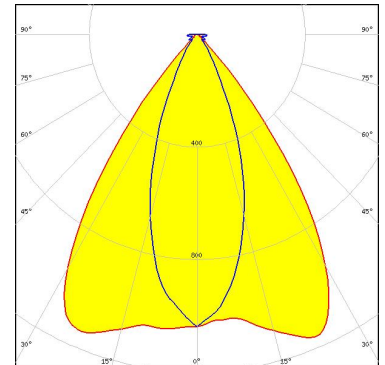
LED J Series 5050C 6V E Class  
 FWHM / FWTM 72.0 + 36.0° / 88.0 + 64.0°  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



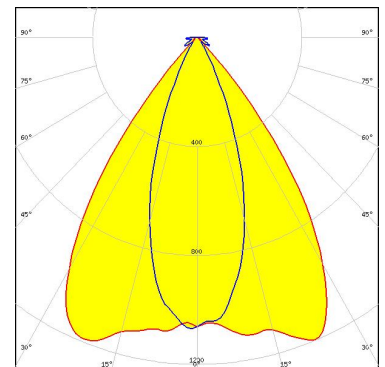
LED LUXEON 5050 HE  
 FWHM / FWTM 72.0 + 38.0° / 88.0 + 66.0°  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

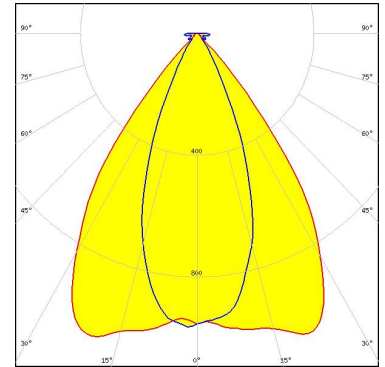


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

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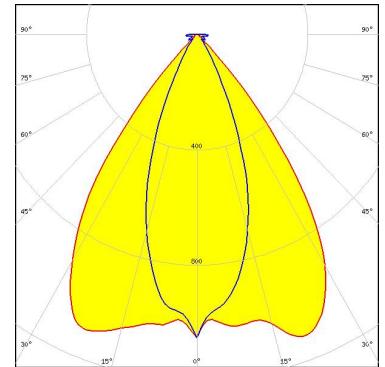
LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2  
 FWHM / FWTM 74.0 + 42.0° / 90.0 + 66.0°  
 Efficiency 90 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**NICHIA**

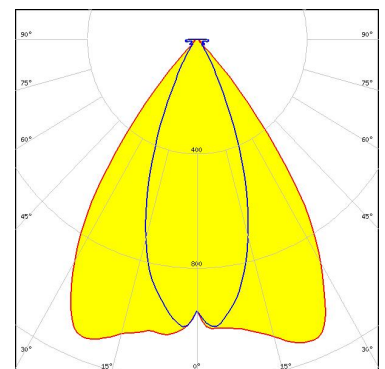
LED NFMW48xA  
 FWHM / FWTM 74.0 + 40.0° / 90.0 + 64.0°  
 Efficiency 90 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**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:

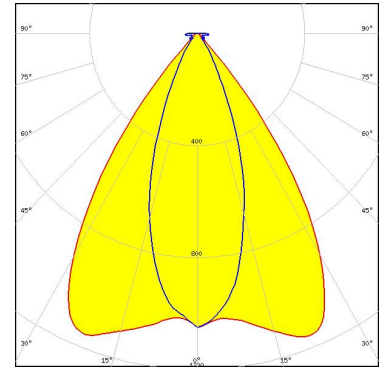


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

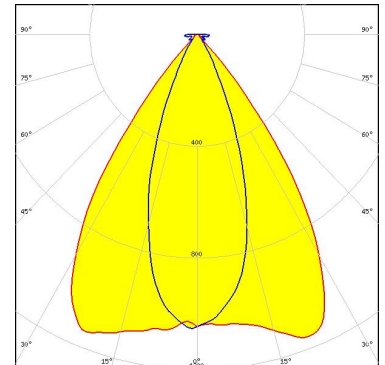
LED	LH502D
FWHM / FWTM	72.0 + 38.0° / 88.0 + 66.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### SAMSUNG

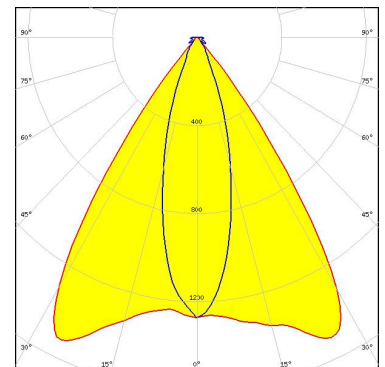
LED	LH508C
FWHM / FWTM	72.0 + 38.0° / 86.0 + 64.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

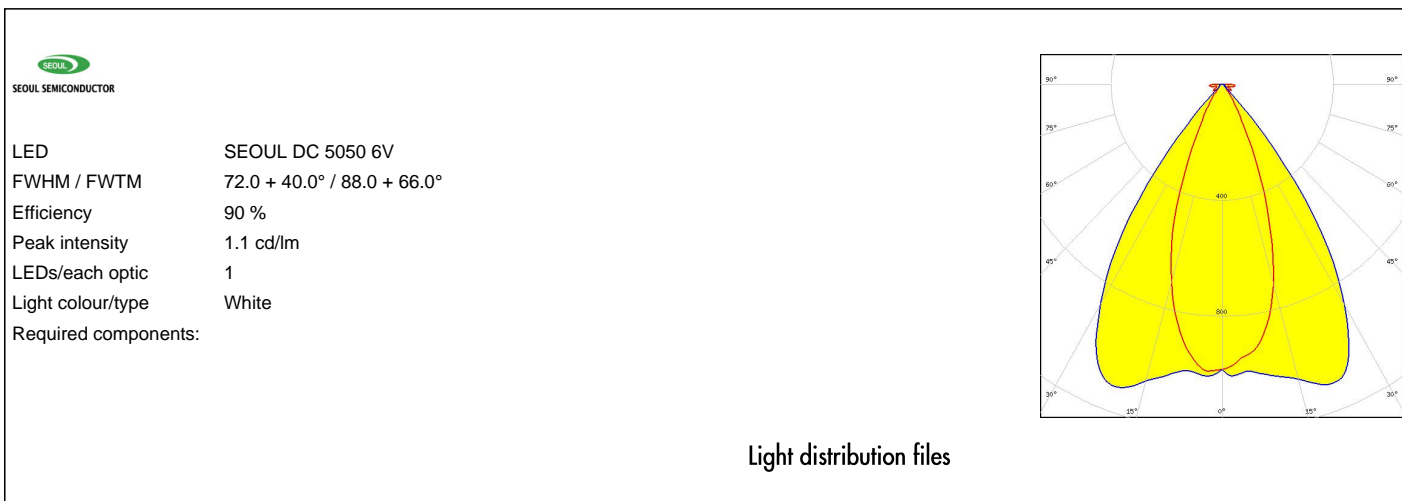
#### SAMSUNG

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:	



Light distribution files

### OPTICAL RESULTS (SIMULATED):



### 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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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

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