

HB-IP-24-M

~30° wide beam.

SPECIFICATION:

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

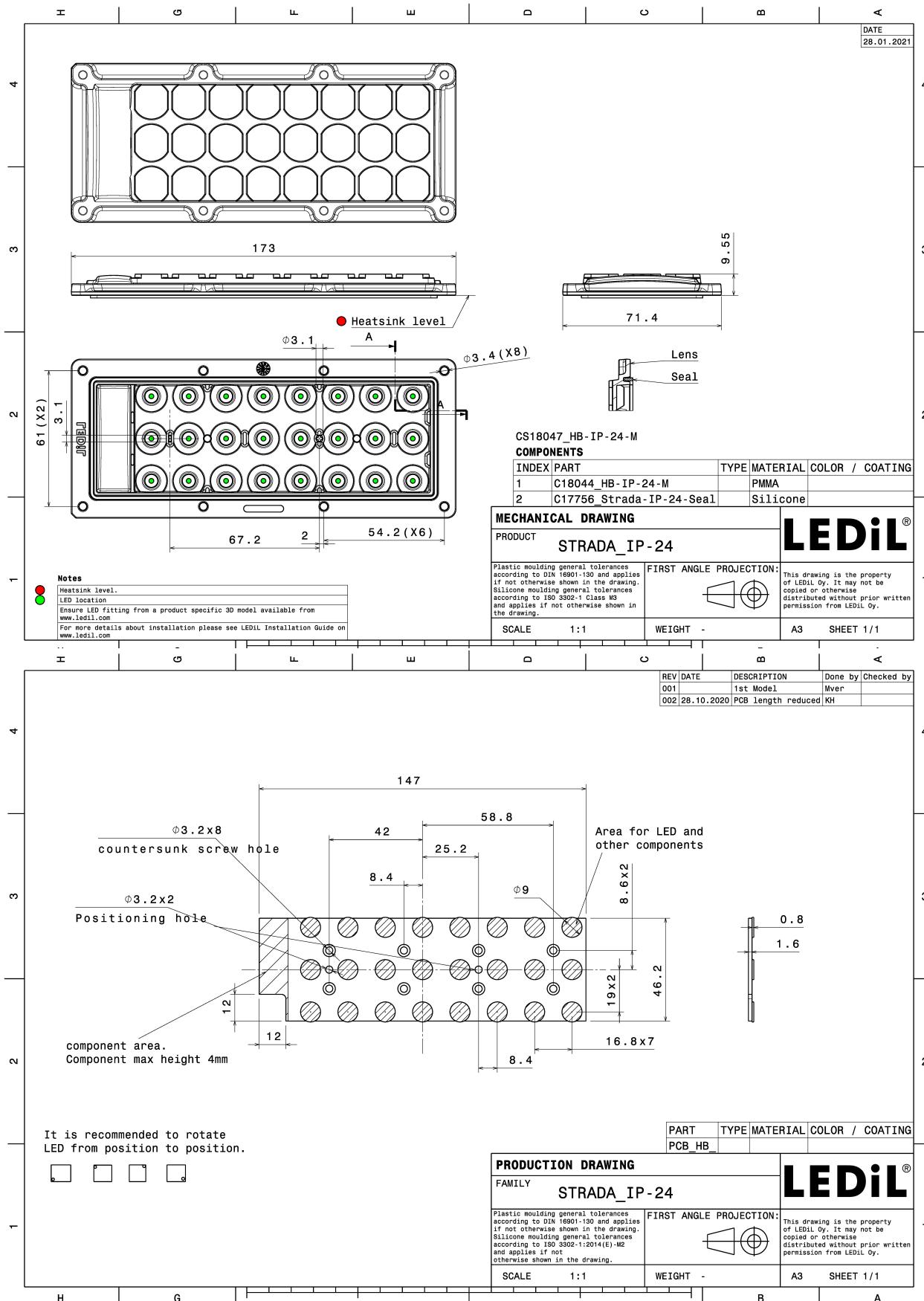


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HB-IP-24-M	Multi-lens	PMMA	clear		
STRADA-IP-24-SEAL	Seal	Silicone	white		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS18047_HB-IP-24-M	120	120	40	7.0
» Box size: 476 x 273 x 247 mm				

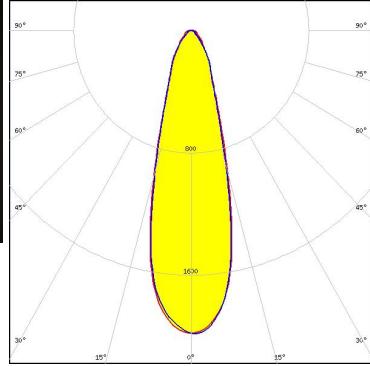


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



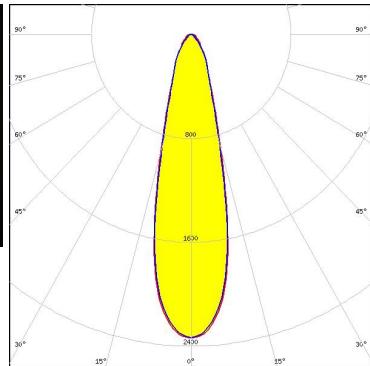
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5
FWHM / FWTM 29.0° / 68.0°
Efficiency 96 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



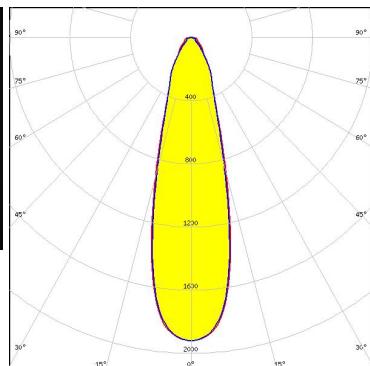
LED LUXEON 5050 HE
FWHM / FWTM 26.0° / 62.0°
Efficiency 96 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Square LES
FWHM / FWTM 29.0° / 68.0°
Efficiency 95 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

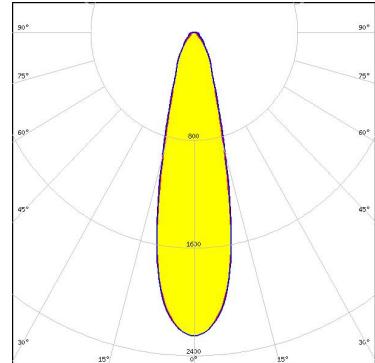


Light distribution files

OPTICAL RESULTS (MEASURED):



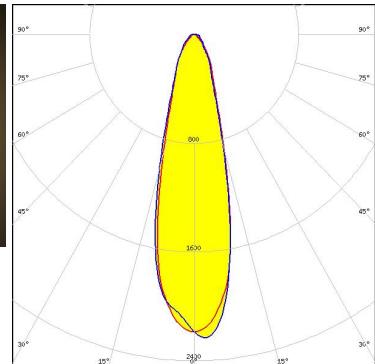
LED LUXEON XR-5050 HE (L225-xxxx024MLU010)
 FWHM / FWTM 27.0° / 64.0°
 Efficiency 97 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



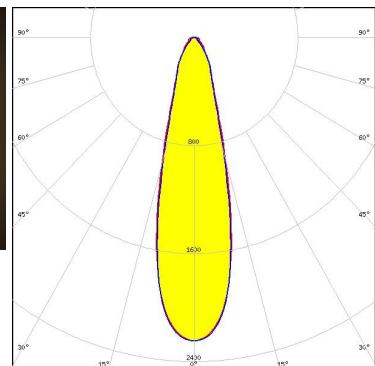
LED HiLOM RM24 ZP (LH502D)
 FWHM / FWTM 27.0° / 65.0°
 Efficiency 97 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CHI-VP-10K5-740-36
 FWHM / FWTM 27.0° / 63.0°
 Efficiency 95 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

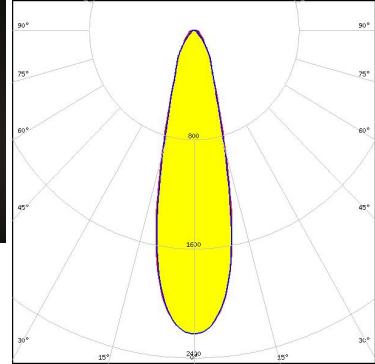


Light distribution files

OPTICAL RESULTS (MEASURED):



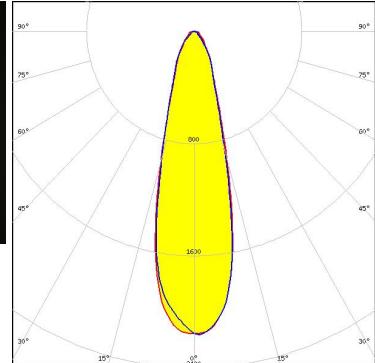
LED CHIEC-VE-11K4-740-48
 FWHM / FWTM 28.0° / 65.0°
 Efficiency 97 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

TRIDONIC

LED RLE 3x8 6000lm HP HE EXC3 OTD
 FWHM / FWTM 28.0° / 65.0°
 Efficiency 97 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

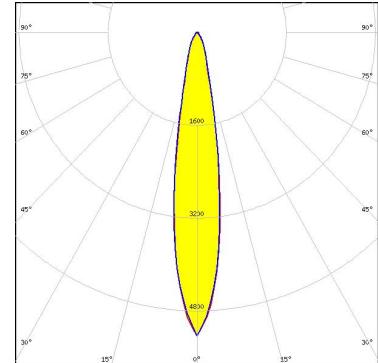


Light distribution files

OPTICAL RESULTS (SIMULATED):



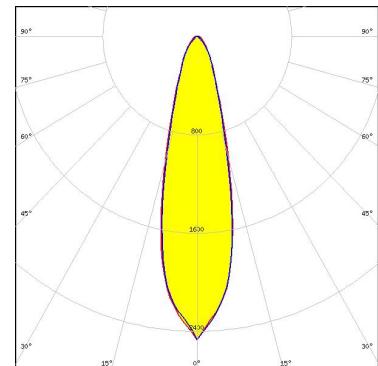
LED J Series 3030
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 95 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



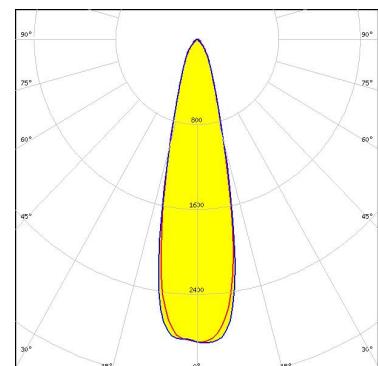
LED J Series 5050C 6V E Class
 FWHM / FWTM 27.0° / 60.0°
 Efficiency 96 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 26.0° / 54.0°
 Efficiency 95 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

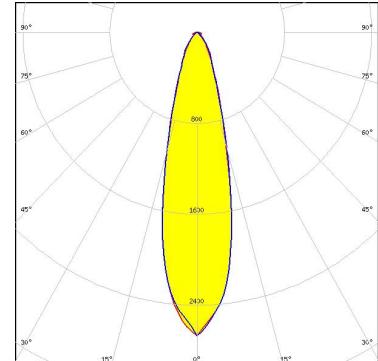


Light distribution files

OPTICAL RESULTS (SIMULATED):



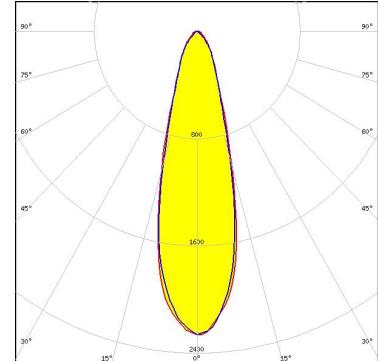
LED LUXEON 5050 HE
 FWHM / FWTM 26.0° / 57.0°
 Efficiency 95 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



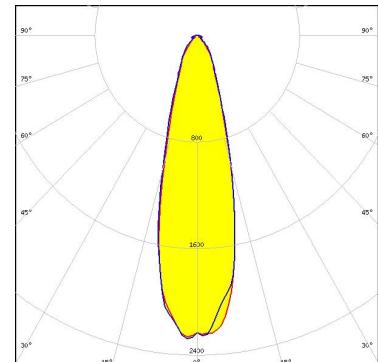
LED LUXEON 5050 Round LES
 FWHM / FWTM 28.0° / 64.0°
 Efficiency 96 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 5050 Square LES
 FWHM / FWTM 28.0° / 64.0°
 Efficiency 96 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

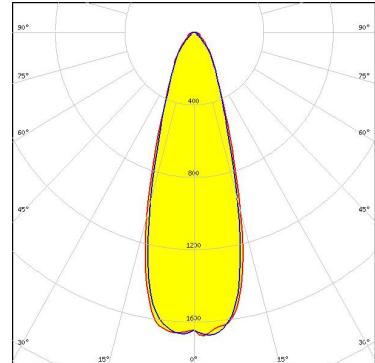


Light distribution files

OPTICAL RESULTS (SIMULATED):

MST | Your solutions

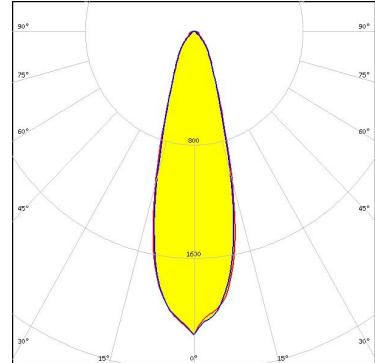
LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2
 FWHM / FWTM 33.0° / 74.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

NICHIA

LED NFMW48xA
 FWHM / FWTM 30.0° / 66.0°
 Efficiency 96 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

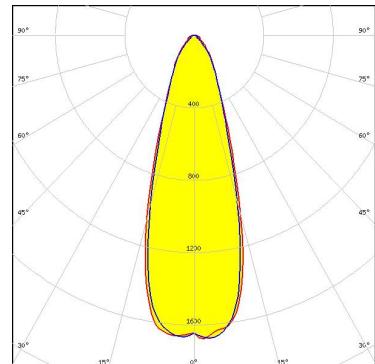


Light distribution files

OSRAM

Opto Semiconductors

LED Duris S8
 FWHM / FWTM 33.0° / 74.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



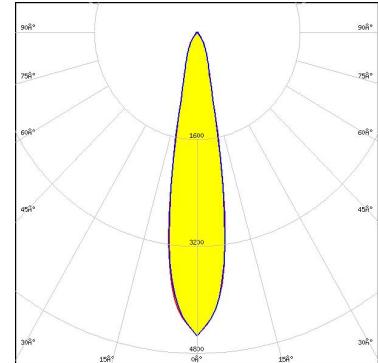
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	20.0° / 44.0°
Efficiency	96 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

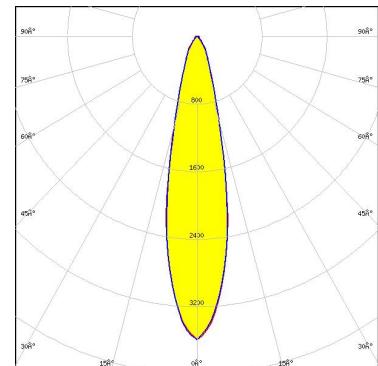


Light distribution files

OSRAM

Opto Semiconductors

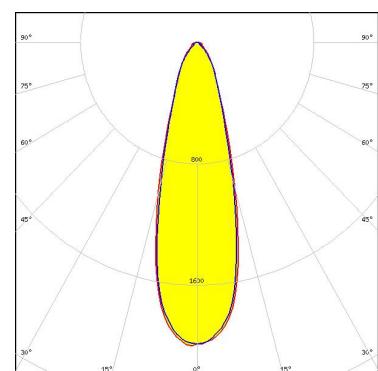
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	24.0° / 48.0°
Efficiency	96 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	HiLOM RM24 ZP (LH502C)
FWHM / FWTM	30.0° / 68.0°
Efficiency	95 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

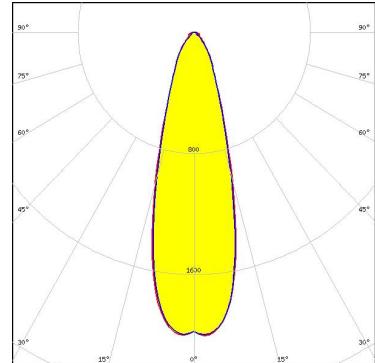


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

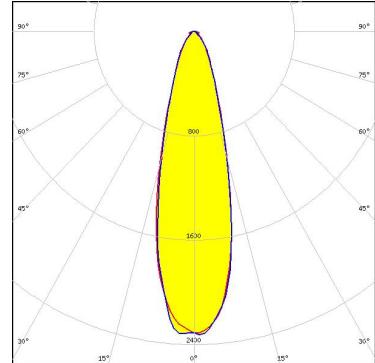
LED LH502C
 FWHM / FWTM 30.0° / 68.0°
 Efficiency 95 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

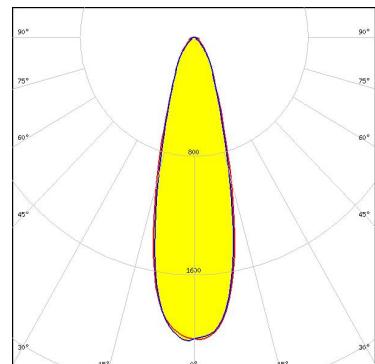
LED LH502D
 FWHM / FWTM 28.0° / 62.0°
 Efficiency 96 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH508C
 FWHM / FWTM 29.0° / 67.0°
 Efficiency 95 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

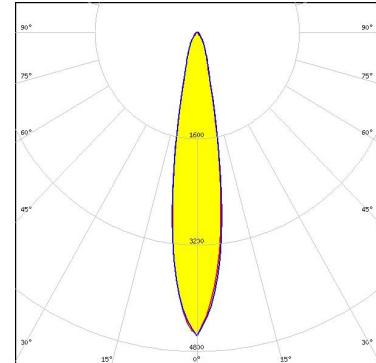


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

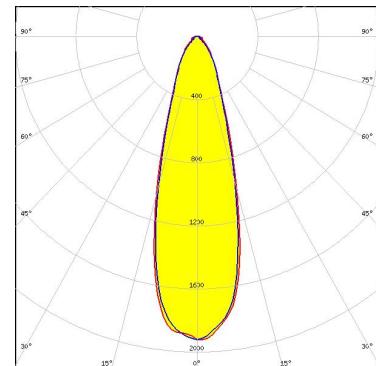
LED LM301D
FWHM / FWTM 18.0° / 42.0°
Efficiency 95 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V
FWHM / FWTM 31.0° / 70.0°
Efficiency 95 %
Peak intensity 1.9 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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LEDiL Oy
Joensuunkatu 7
FI-24240 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

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