

TINA2-RS

~14° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.



SPECIFICATION:

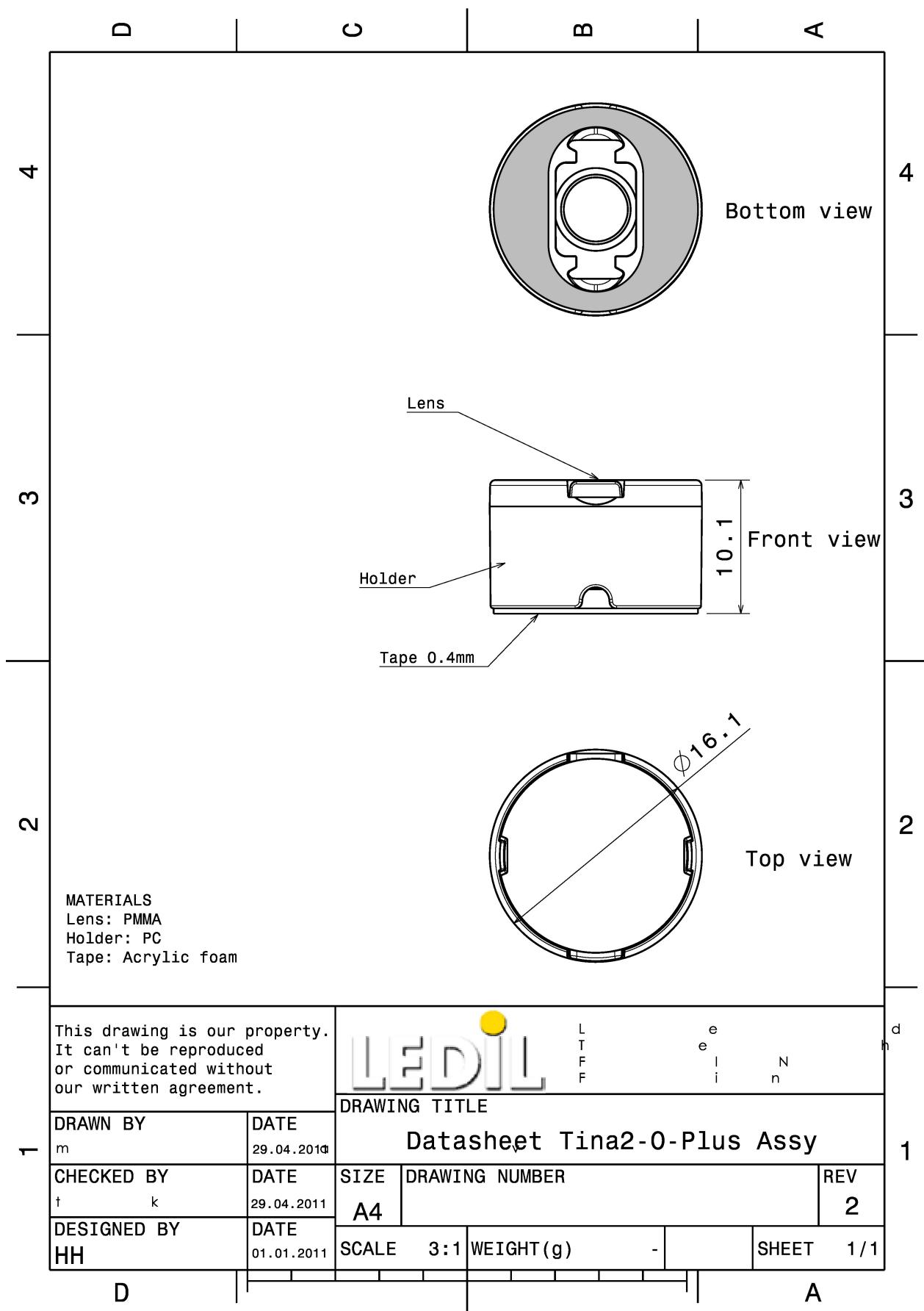
Dimensions	Ø 16.1
Height	10.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA2-O-PLUS-HLD-WHT	Holder	PC	white		
TINA2-O-PLUS-RS	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11847_TINA2-RS	4140	230	230	0.0
» Box size: 451 x 241 x 298 mm				



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

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED Golden Dragon+

FWHM / FWTM 10.0° / 20.0°

Efficiency 93 %

Peak intensity 18 cd/lm

LEDs/each optic 1

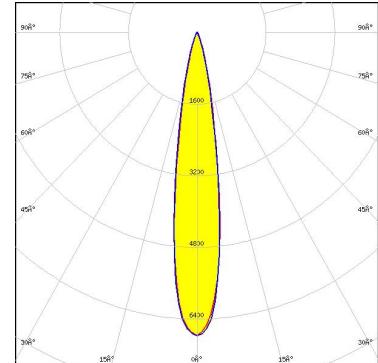
Light colour/type White

Required components:

OPTICAL RESULTS (SIMULATED):



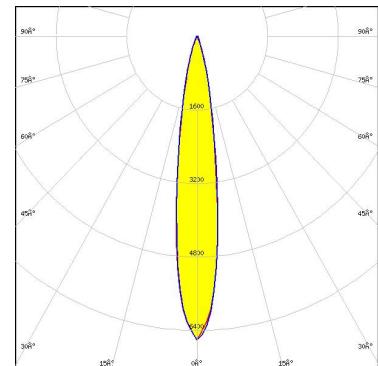
LED XP-G2 HE
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 88 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



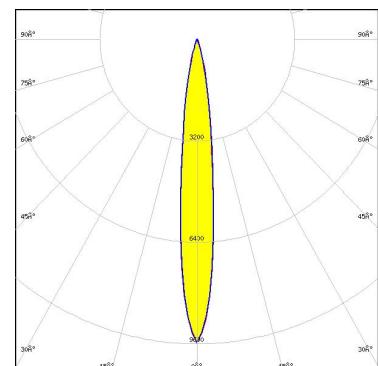
LED XP-G3
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 85 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-L HI
 FWHM / FWTM 12.0° / 30.0°
 Efficiency 89 %
 Peak intensity 9.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

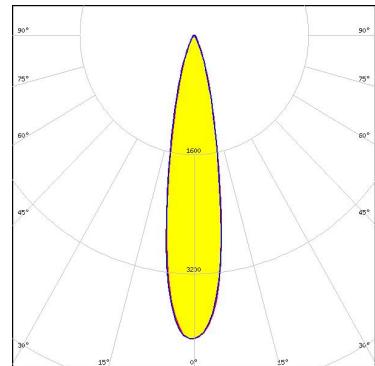


Light distribution files

OPTICAL RESULTS (SIMULATED):



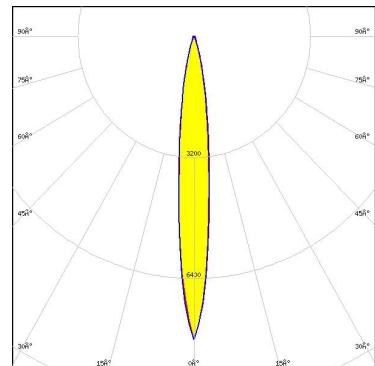
LED XP-L2
 FWHM / FWTM 20.0° / 43.0°
 Efficiency 85 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



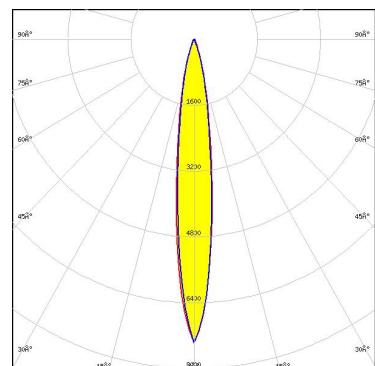
LED XT-E
 FWHM / FWTM 12.0° / 30.0°
 Efficiency 82 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 3030 HE Plus
 FWHM / FWTM 14.0° / 34.0°
 Efficiency 87 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

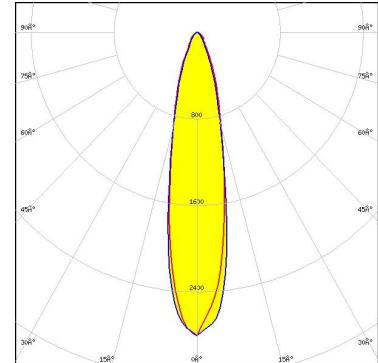


Light distribution files

OPTICAL RESULTS (SIMULATED):



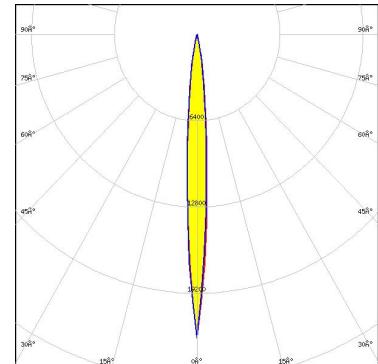
LED LUXEON 5050 Square LES
FWHM / FWTM 22.0° / 52.0°
Efficiency 85 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



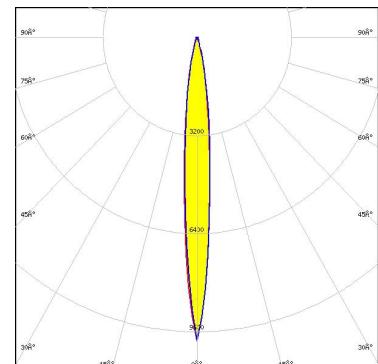
LED LUXEON CZ
FWHM / FWTM 8.0° / 20.0°
Efficiency 88 %
Peak intensity 22.5 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



LED LUXEON IR Domed 150 (L1I0-0xx150000000)
FWHM / FWTM 10.0° / 27.0°
Efficiency 81 %
LEDs/each optic 1
Light colour/type IR
Required components:

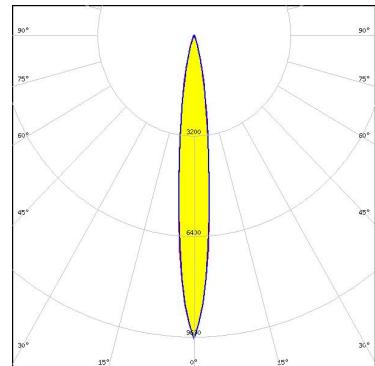


Light distribution files

OPTICAL RESULTS (SIMULATED):



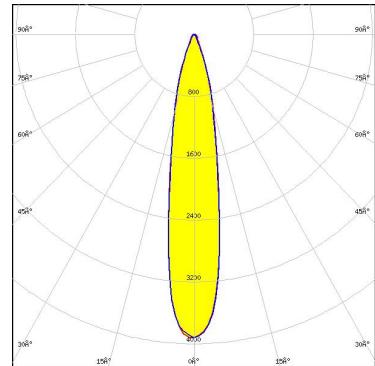
LED SST-20V
 FWHM / FWTM 12.0° / 29.0°
 Efficiency 87 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



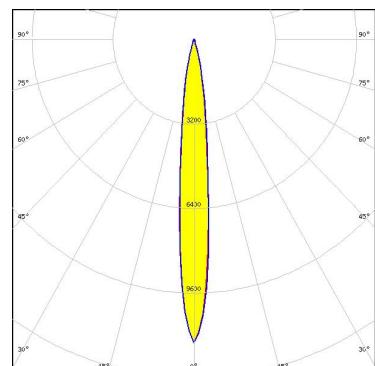
LED NV4WB35AM
 FWHM / FWTM 20.0° / 44.0°
 Efficiency 86 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219C-V2
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 88 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

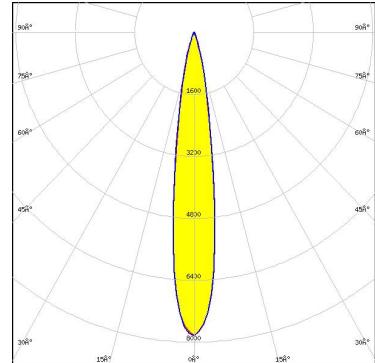


Light distribution files

OPTICAL RESULTS (SIMULATED):



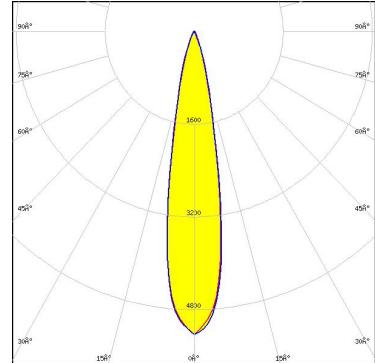
LED NVSW219F-V2
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 89 %
 Peak intensity 7.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



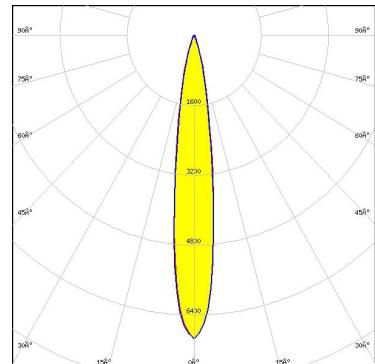
LED NVSW519A
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 85 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 16.0° / 33.0°
 Efficiency 84 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



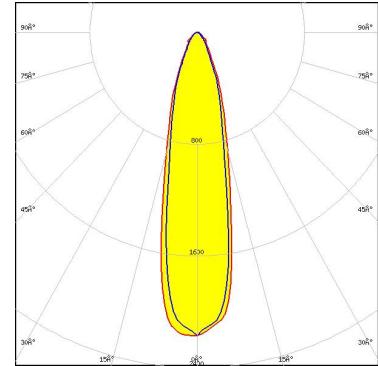
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED Duris S8
FWHM / FWTM 25.0° / 59.0°
Efficiency 85 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

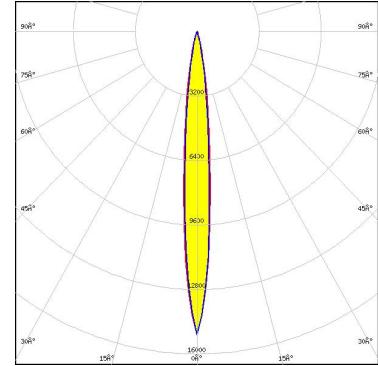


Light distribution files

OSRAM

Opto Semiconductors

LED OSLON Boost HX (KW CULPM1.TG)
FWHM / FWTM 10.0° / 24.0°
Efficiency 89 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

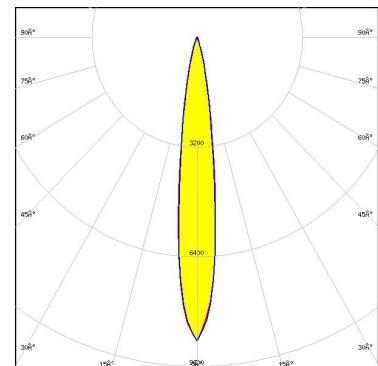


Light distribution files

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

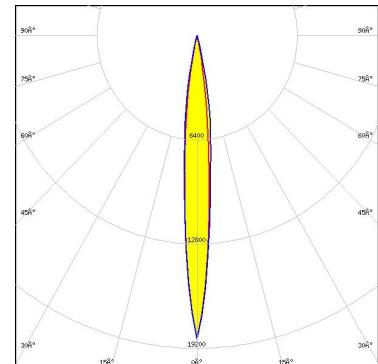


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

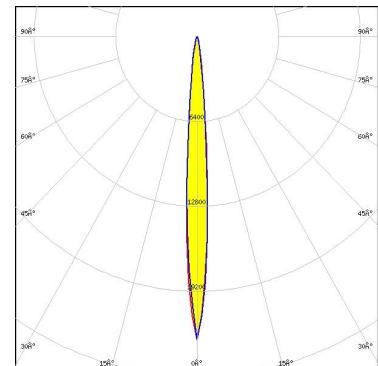
LED PLPVEC2 850A
FWHM / FWTM 10.0° / 23.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

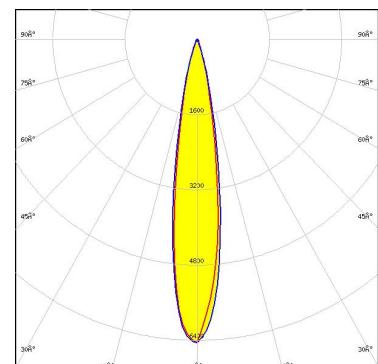
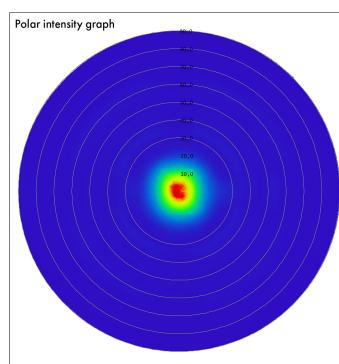
LED SFH 4232A
FWHM / FWTM 8.0° / 19.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 17.0° / 35.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:

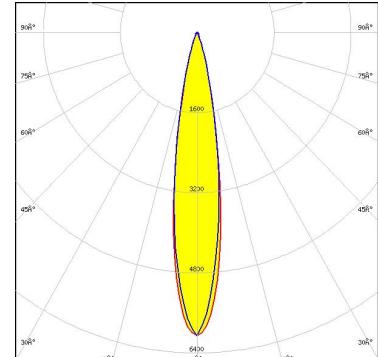
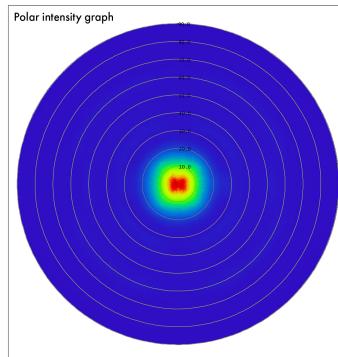


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

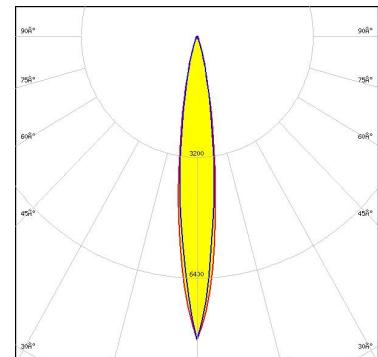
LED SFH 4725AS
FWHM / FWTM 18.0° / 34.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

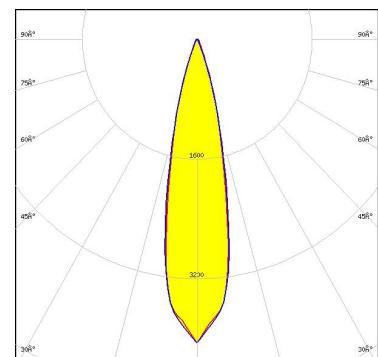
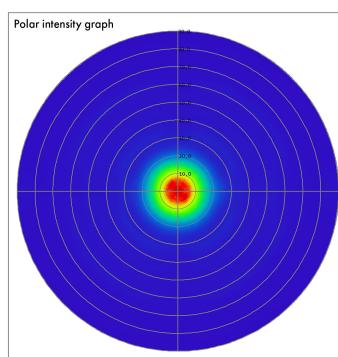
LED SFH 4725S
FWHM / FWTM 14.0° / 32.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4727AS
FWHM / FWTM 23.0° / 42.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type IR
Required components:

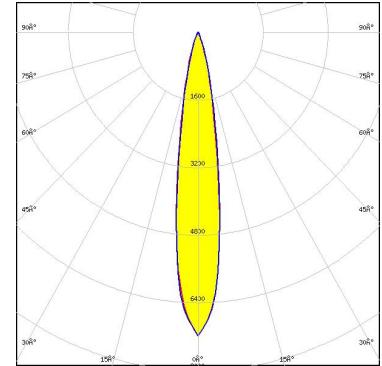


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LH351C
FWHM / FWTM 16.0° / 34.0°
Efficiency 91 %
Peak intensity 7.2 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-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

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