

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 ⓘ

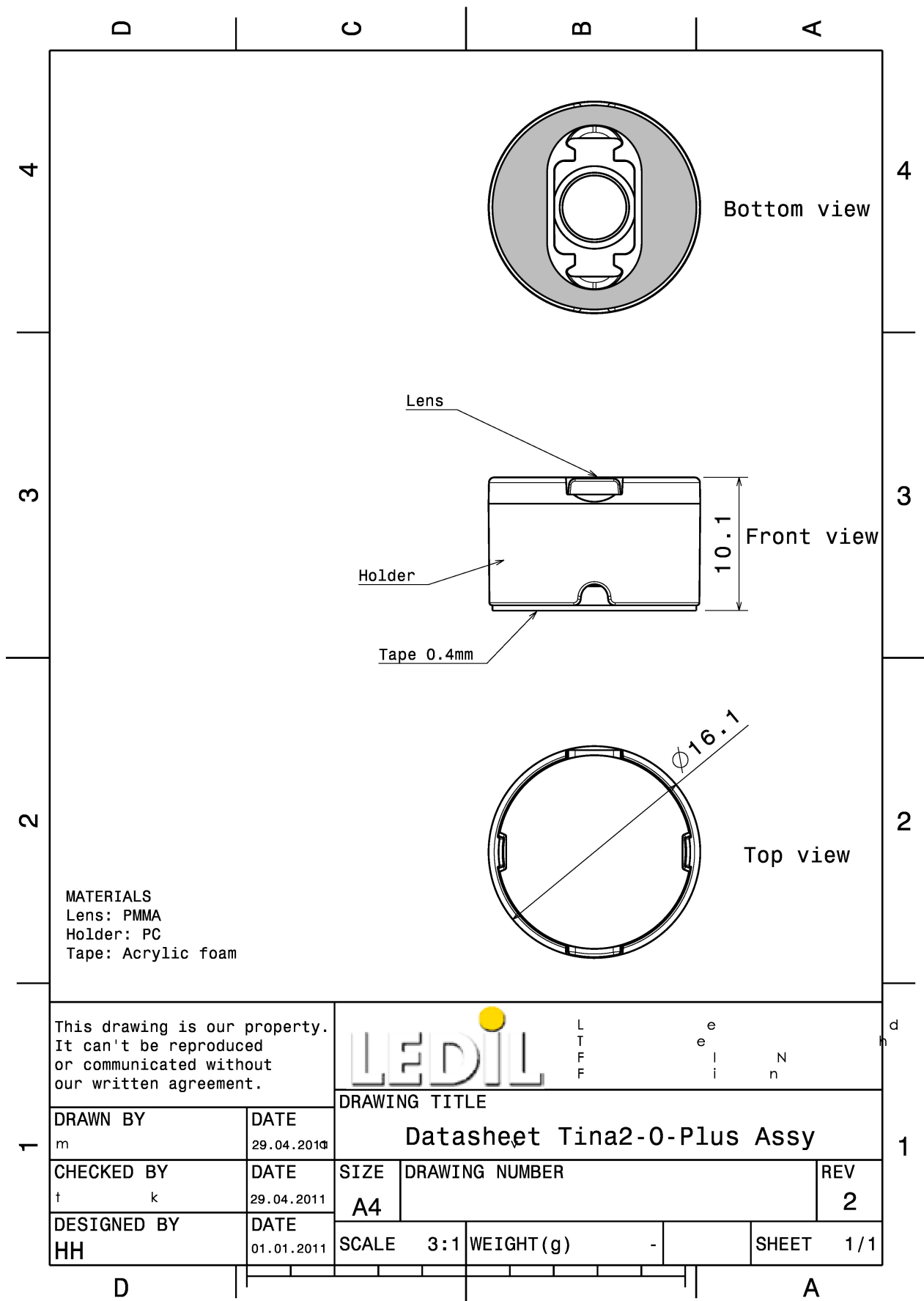


MATERIALS:

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

ORDERING INFORMATION:

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



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

OPTICAL RESULTS (MEASURED):

OSRAM

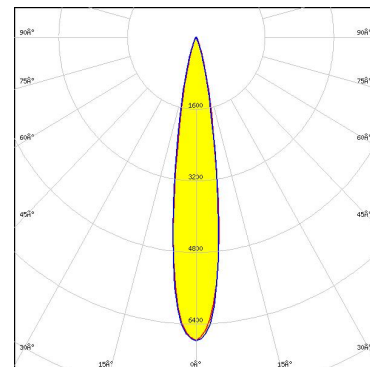
Opto Semiconductors

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):



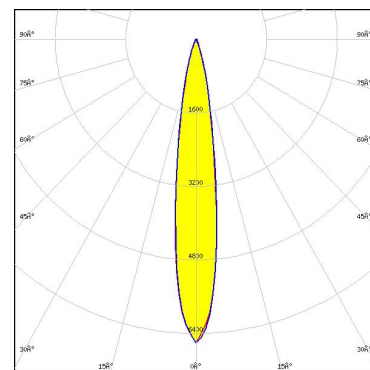
LED XP-G2 HE
FWHM / FWTM 17.0° / 34.0°
Efficiency 88 %
Peak intensity 6.8 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



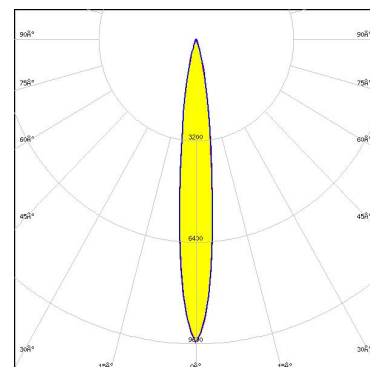
LED XP-G3
FWHM / FWTM 16.0° / 34.0°
Efficiency 85 %
Peak intensity 6.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

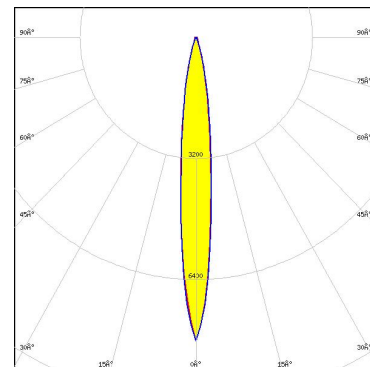


Light distribution files

OPTICAL RESULTS (SIMULATED):



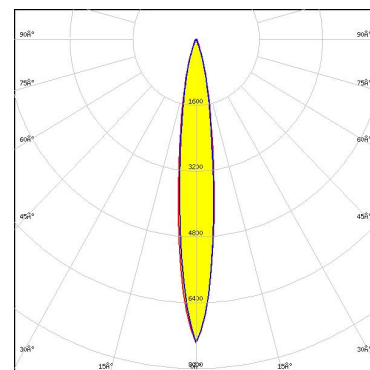
LED XT-E
FWHM / FWTM 12.0° / 30.0°
Efficiency 82 %
Peak intensity 8 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



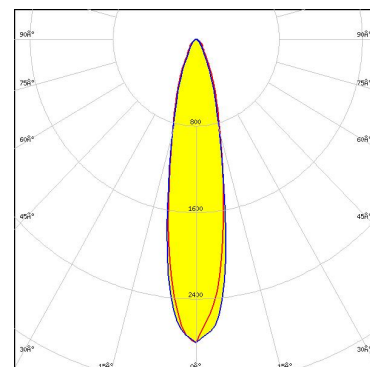
LED LUXEON 3030 HE Plus
FWHM / FWTM 14.0° / 34.0°
Efficiency 87 %
Peak intensity 7.4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

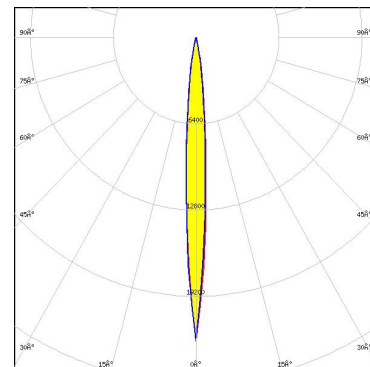


Light distribution files

OPTICAL RESULTS (SIMULATED):



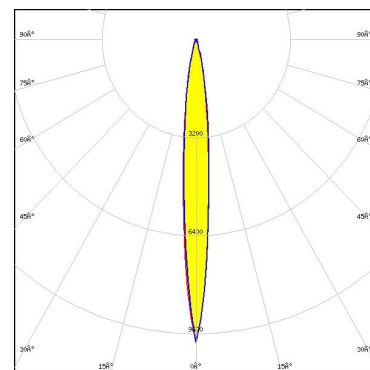
LED LUXEON CZ
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 88 %
 Peak intensity 22.5 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



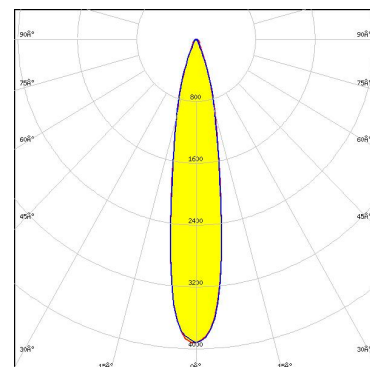
LED LUXEON IR Domed 150 (L1I0-0xxx1500000000)
 FWHM / FWTM 10.0° / 27.0°
 Efficiency 81 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



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:

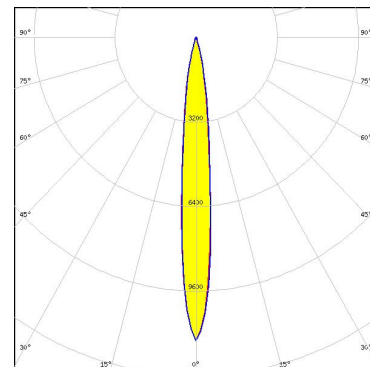


Light distribution files

OPTICAL RESULTS (SIMULATED):



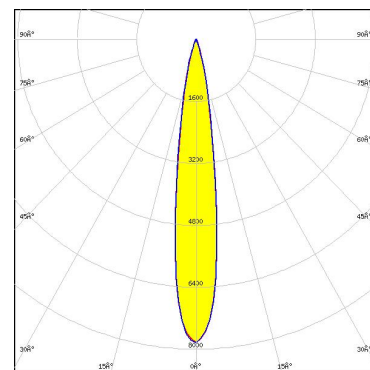
LED NVSW219C-V2
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 88 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



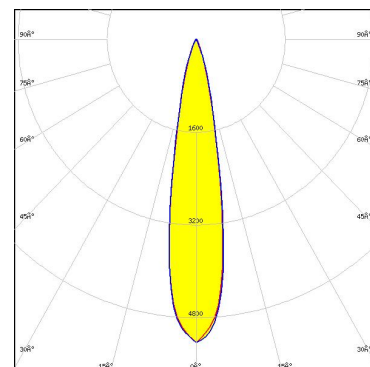
LED NVSW219F
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 89 %
 Peak intensity 7.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

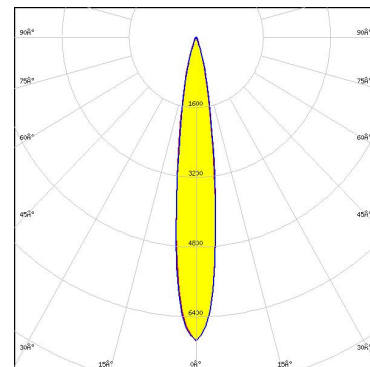


Light distribution files

OPTICAL RESULTS (SIMULATED):



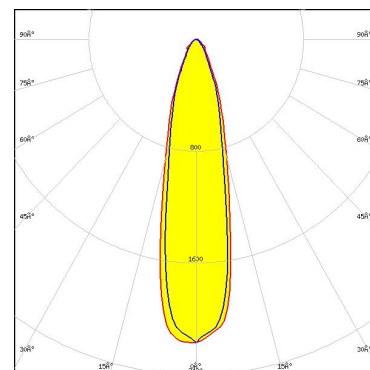
LED NVSxx19B/NVSxx19C
FWHM / FWTM 16.0° / 33.0°
Efficiency 84 %
Peak intensity 6.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



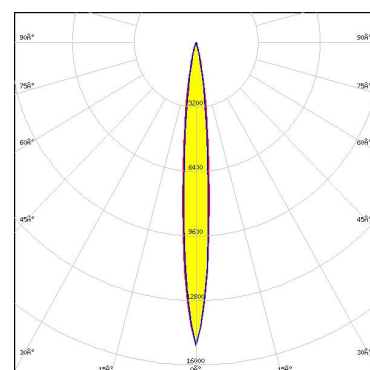
LED Duris S8
FWHM / FWTM 25.0° / 59.0°
Efficiency 85 %
Peak intensity 2.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

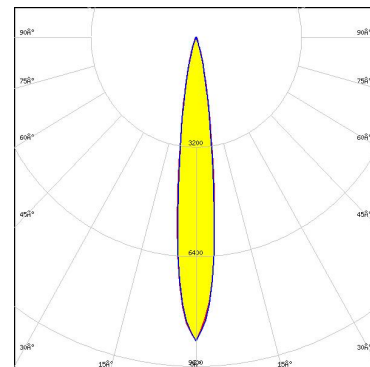


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

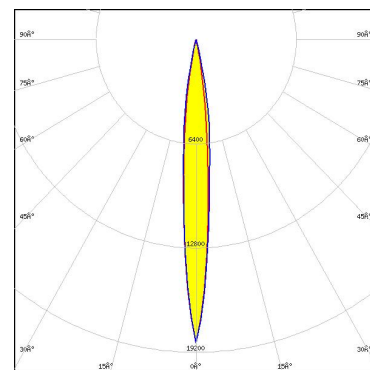
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

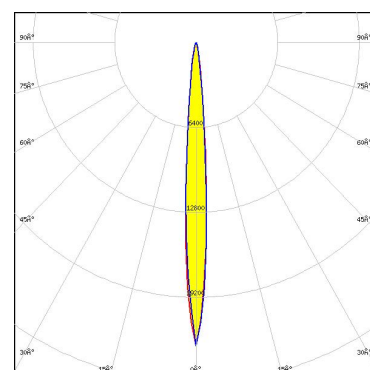
LED PLPVEC2 850A
FWHM / FWTM 10.0° / 23.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



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:

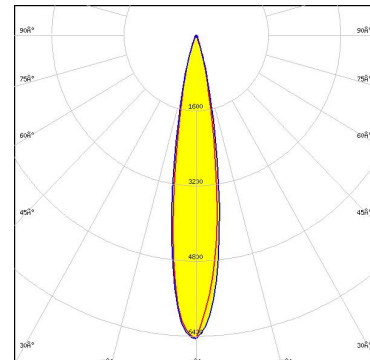
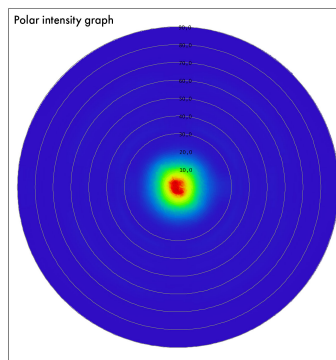


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

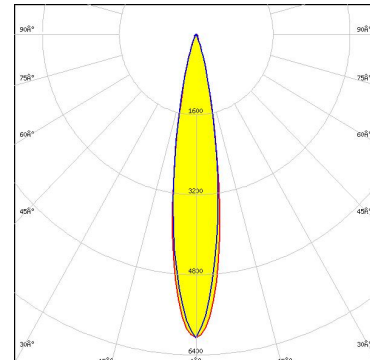
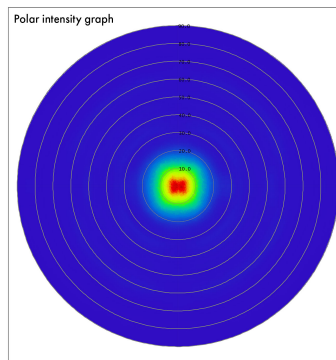
LED SFH 4715AS
FWHM / FWTM 17.0° / 35.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

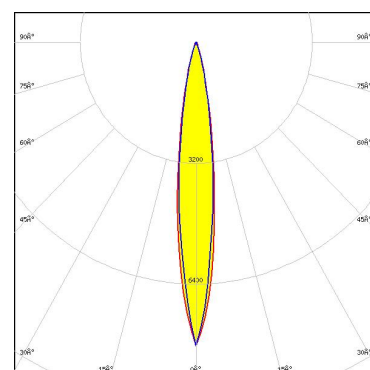
LED SFH 4725AS
FWHM / FWTM 18.0° / 34.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:



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:

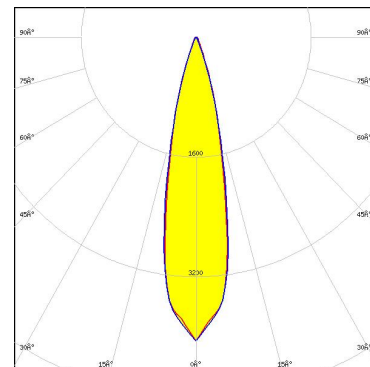
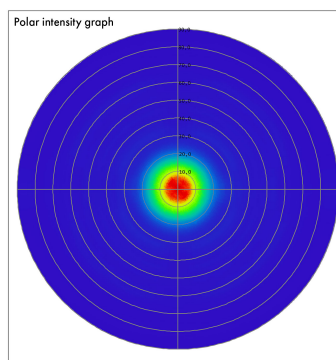


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

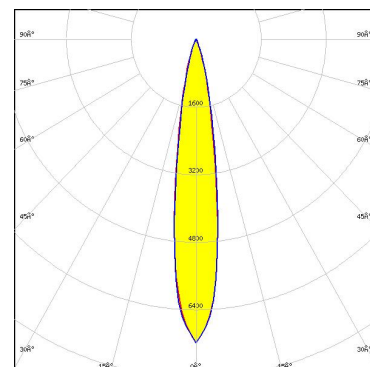
LED SFH 4727AS
FWHM / FWTM 23.0° / 42.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

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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