

TINA-RS

~13° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

SPECIFICATION:

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

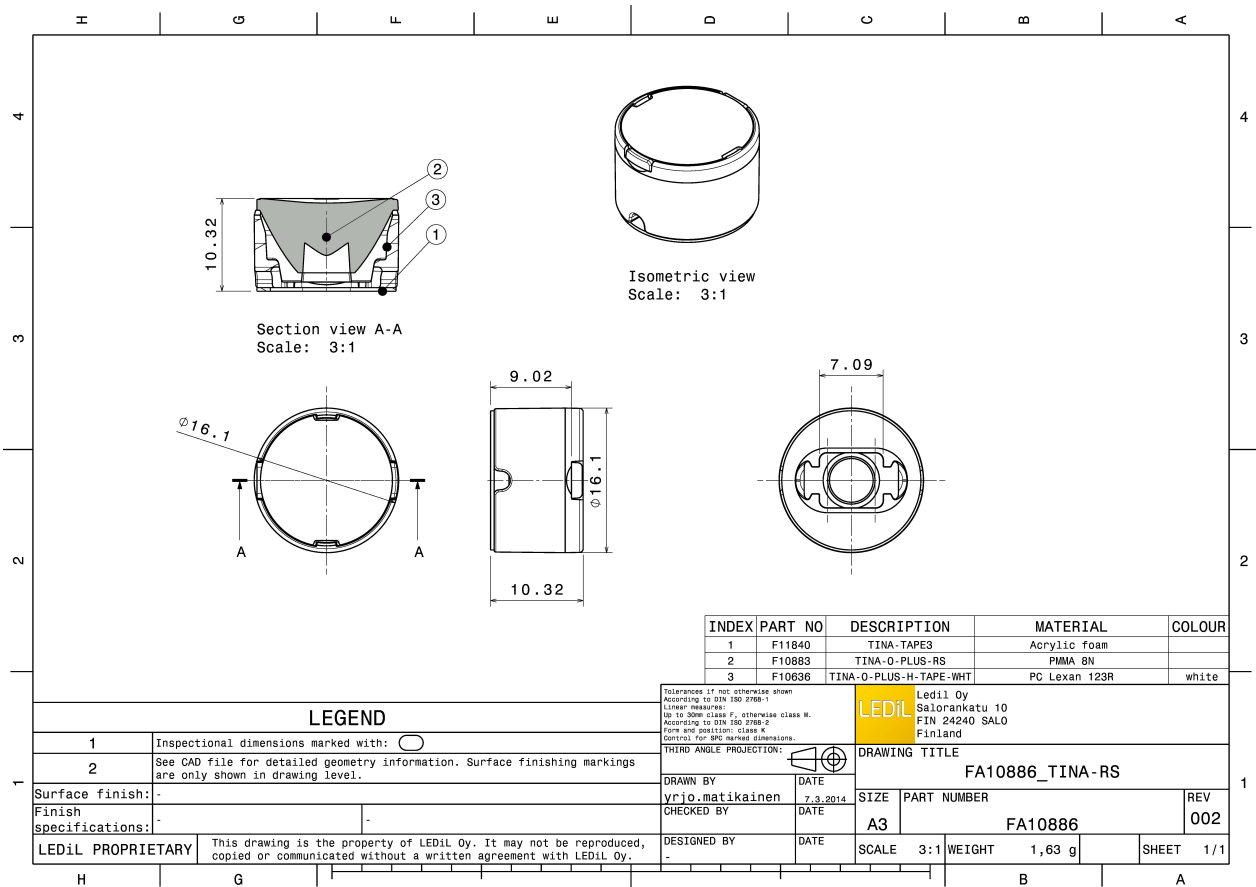


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-O-PLUS-RS	Single lens	PMMA	clear	
TINA-O-PLUS-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10886_TINA-RS	Single lens	2016	288	144	4.1
» Box size:					

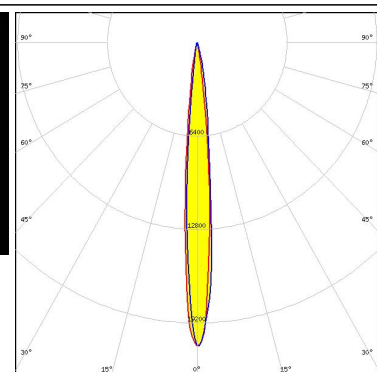


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

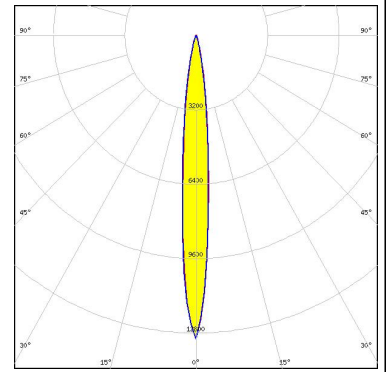
LED Golden Dragon+
FWHM / FWTM 10.0° / 19.0°
Efficiency 93 %
Peak intensity 20.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



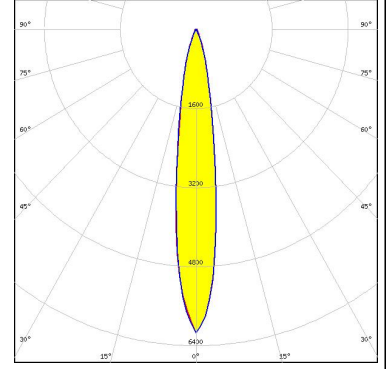
OPTICAL RESULTS (SIMULATED):



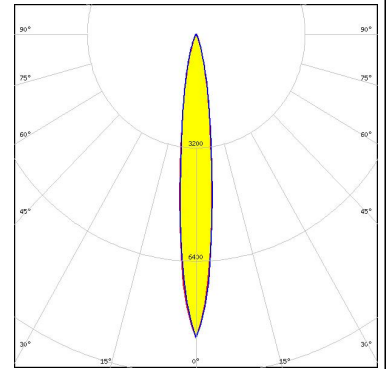
LED XP-E2
FWHM / FWTM 10.0° / 25.0°
Efficiency 88 %
Peak intensity 13.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



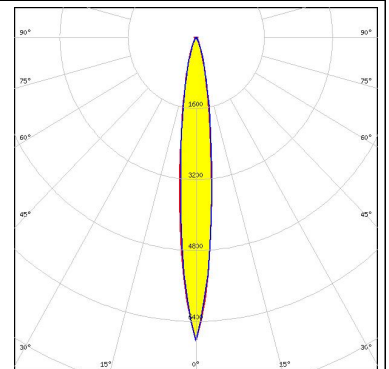
LED XP-G3
FWHM / FWTM 16.0° / 36.0°
Efficiency 85 %
Peak intensity 6.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XP-L HI
FWHM / FWTM 12.0° / 32.0°
Efficiency 89 %
Peak intensity 8.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



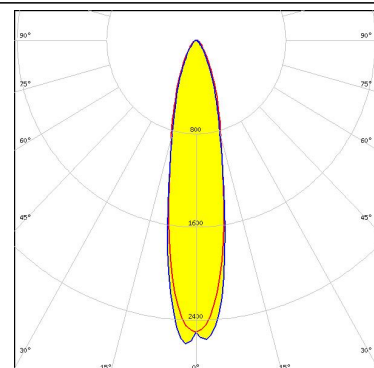
LED XT-E
FWHM / FWTM 12.0° / 32.0°
Efficiency 81 %
Peak intensity 6.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



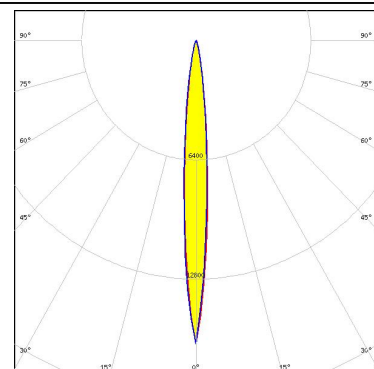
OPTICAL RESULTS (SIMULATED):



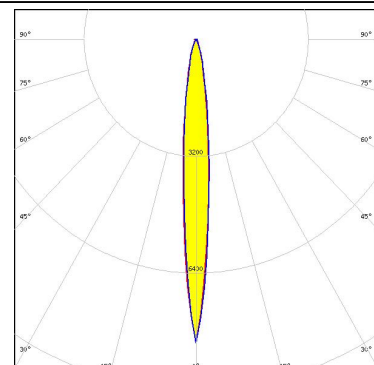
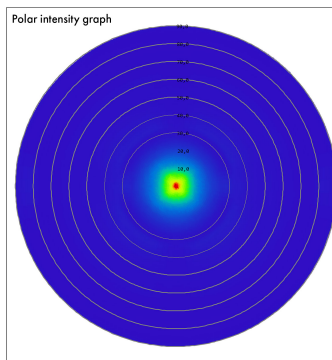
LED LUXEON 5050 Square LES
 FWHM / FWTM 22.0° / 56.0°
 Efficiency 84 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



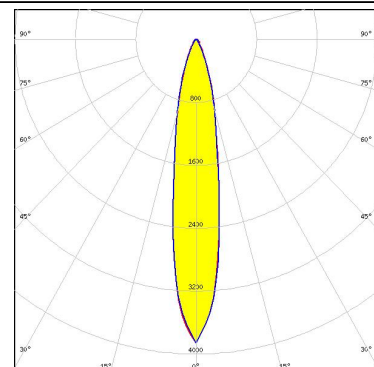
LED LUXEON CZ
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 88 %
 Peak intensity 16.3 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



LED LUXEON IR Domed 150 (L110-0xxx1500000000)
 FWHM / FWTM 10.0° / 28.0°
 Efficiency 80 %
 LEDs/each optic 1
 Light colour IR
 Required components:



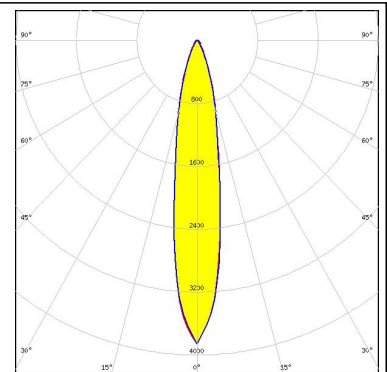
LED NV4WB35AM
 FWHM / FWTM 18.0° / 46.0°
 Efficiency 85 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



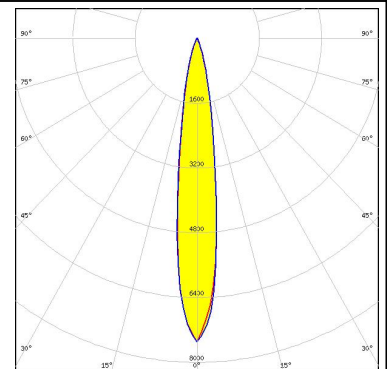
OPTICAL RESULTS (SIMULATED):



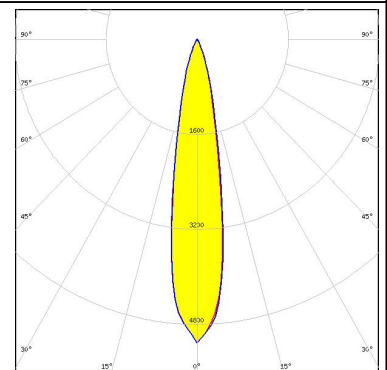
LED NV4WB35AM
FWHM / FWTM 18.0° / 45.0°
Efficiency 85 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



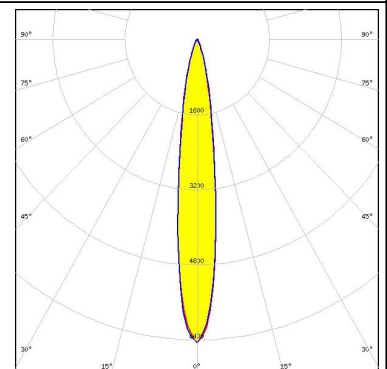
LED NVSW219F
FWHM / FWTM 14.0° / 34.0°
Efficiency 88 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW519A
FWHM / FWTM 19.0° / 40.0°
Efficiency 85 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM / FWTM 14.0° / 34.0°
Efficiency 84 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

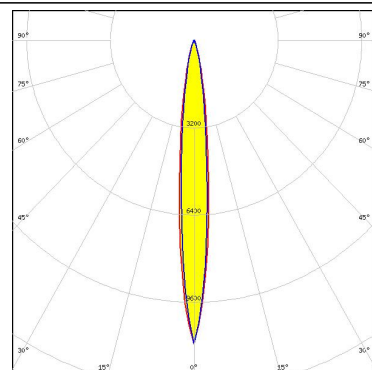


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Boost HX (KW CULPM1.TG)
FWHM / FWTM 11.0° / 27.0°
Efficiency 88 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

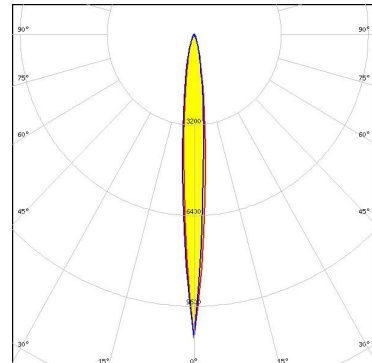
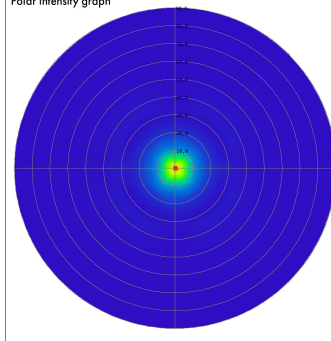


OSRAM

Opto Semiconductors

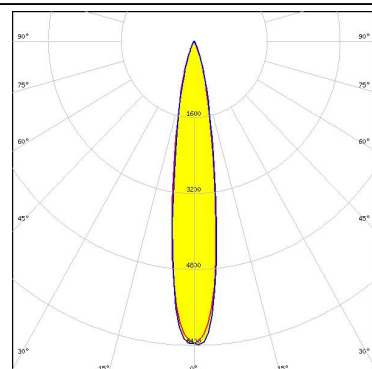
LED SFH 4716AS
FWHM / FWTM 8.0° / 26.0°
Efficiency 83 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph



SAMSUNG

LED LH351C
FWHM / FWTM 16.0° / 37.0°
Efficiency 91 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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