

TINA2-RS

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

TECHNICAL SPECIFICATIONS:

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

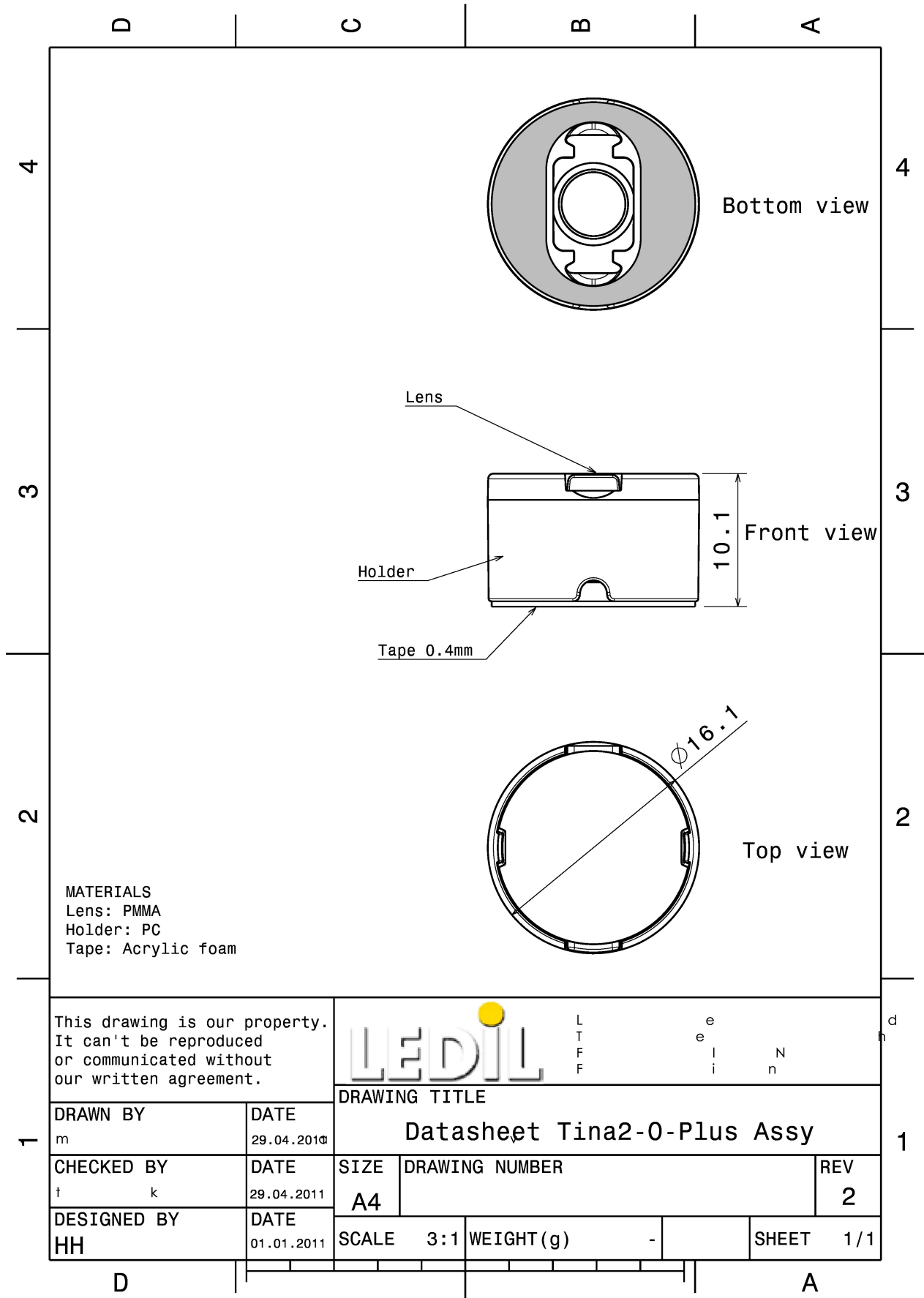


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-O-PLUS-RS	Single lens	PMMA	clear	
TINA2-O-PLUS-HLD-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

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



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

PHOTOMETRIC DATA (MEASURED):

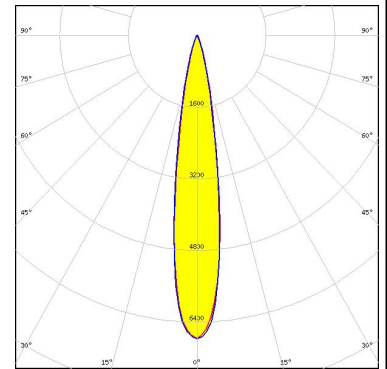
OSRAM
Opto Semiconductors

LED	Golden Dragon+
FWHM / FWTM	10.0° / 20.0°
Efficiency	93 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

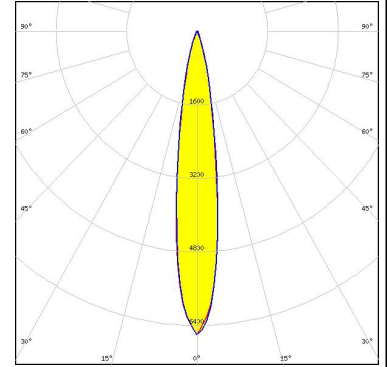
PHOTOMETRIC DATA (SIMULATED):



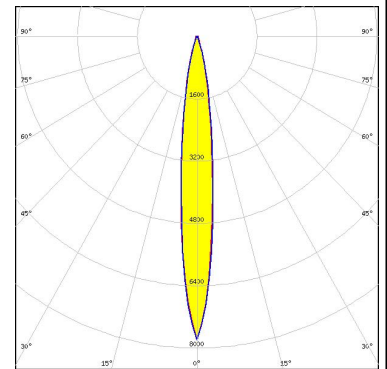
LED XP-G2 HE
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 88 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



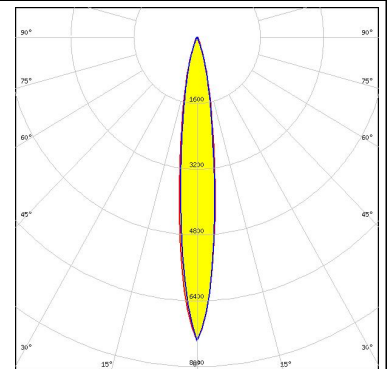
LED XP-G3
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 85 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 82 %
 Peak intensity 7.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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 White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

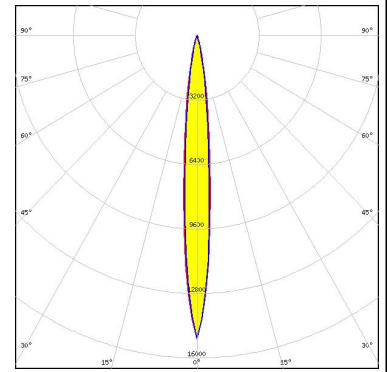
<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM 22.0° / 52.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON IR Domed 150</p> <p>FWHM / FWTM 10.0° / 27.0°</p> <p>Efficiency 81 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM</p> <p>FWHM / FWTM 20.0° / 44.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 25.0° / 59.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

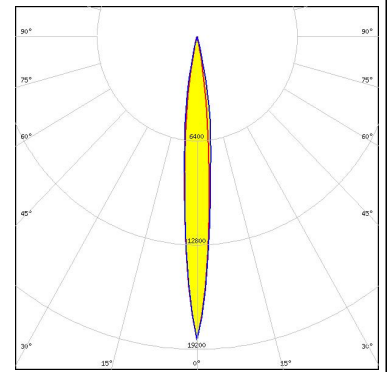
LED KW CULPM1.TG
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 89 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

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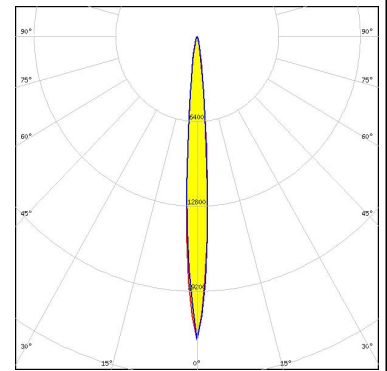
LED PLPVEC2 850A
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

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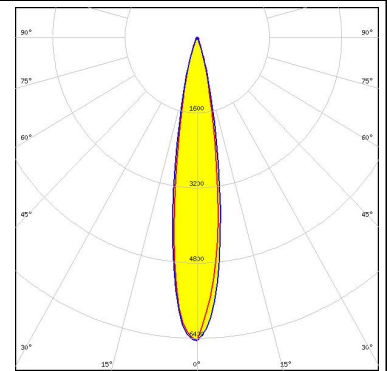
LED SFH 4232A
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

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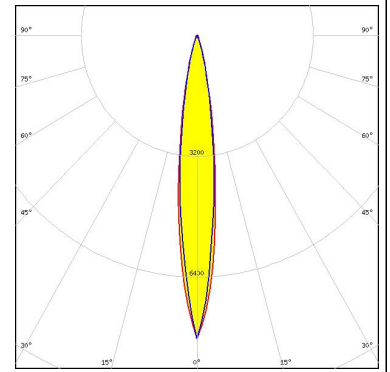
LED SFH 4715AS
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour IR
 Required components:



PHOTOMETRIC DATA (SIMULATED):

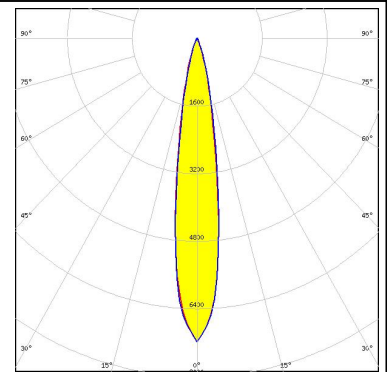
OSRAM Opto Semiconductors

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



SAMSUNG

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

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