

TINA3-W

~40° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

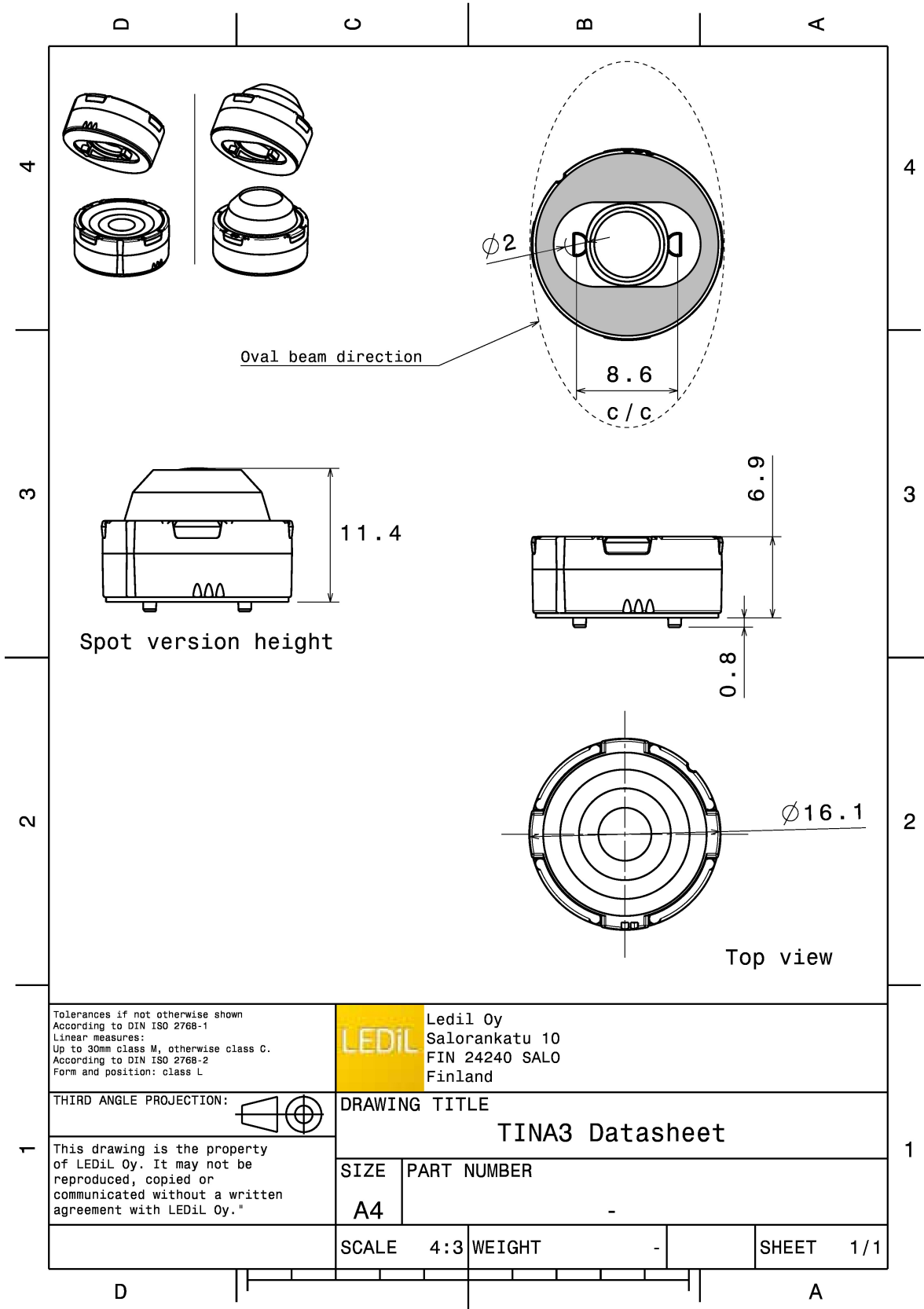


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11824_TINA3-W	Single lens	2016	288	288	3.2
» Box size:					



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

PHOTOMETRIC DATA (MEASURED):

CREE → LED

LED XB-D
FWHM / FWTM 40.0° / 64.0°
Efficiency 91 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

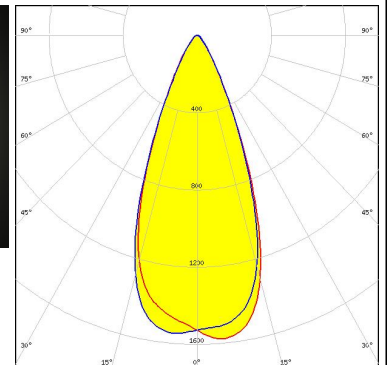
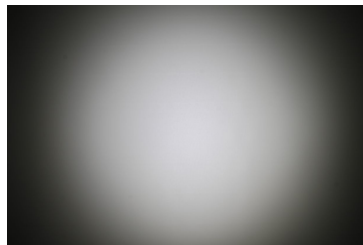
LED XP-E
FWHM / FWTM 41.0° / 60.0°
Efficiency 93 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XP-G
FWHM / FWTM 32.0° / 64.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

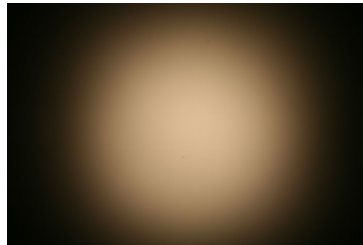
LED XP-L HI
FWHM / FWTM 43.0° / 68.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON A
FWHM / FWTM 44.0° / 72.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON Rebel
FWHM / FWTM 38.0° / 62.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM / FWTM 45.0° / 68.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

NICHIA

LED NVSxx19A
FWHM / FWTM 41.0° / 68.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM

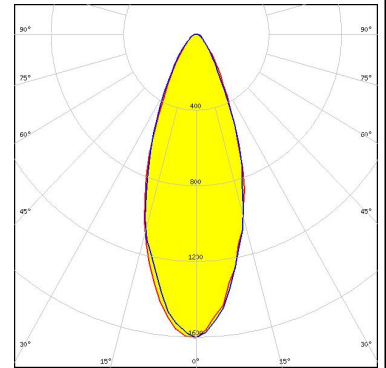
Opto Semiconductors

LED OSLOM SSL 150
 FWHM / FWTM 37.0° / 60.0°
 Efficiency 89 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



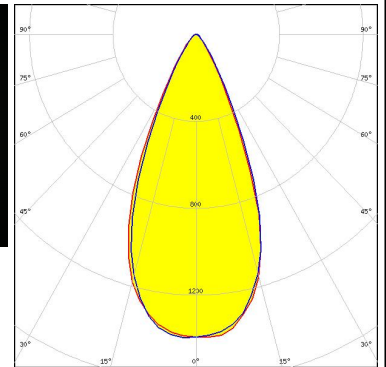
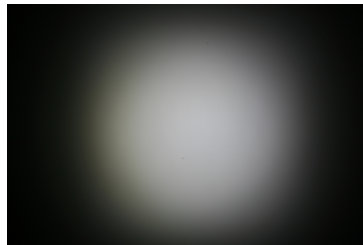
SEOUL SEMICONDUCTOR

LED Z5
 FWHM / FWTM 38.0° / 76.0°
 Efficiency 92 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

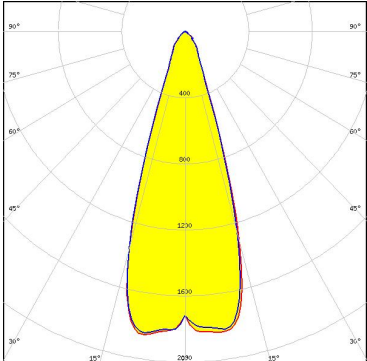
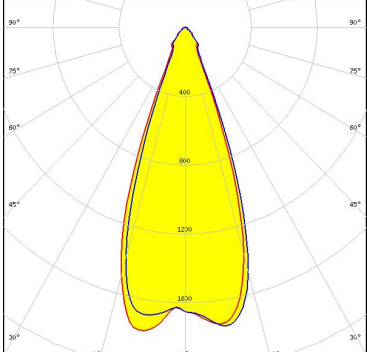
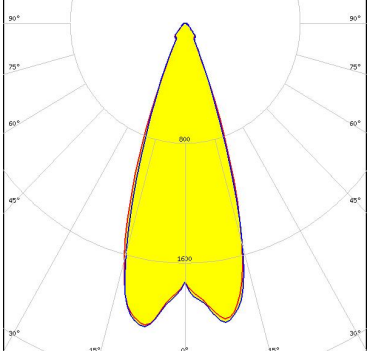
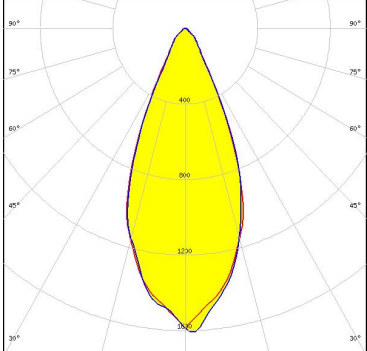


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 48.0° / 74.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 36.0° / 58.0° Efficiency: 81 % Peak intensity: 1.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxx19A FWHM / FWTM: 39.0° / 56.0° Efficiency: 91 % Peak intensity: 1.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: SYNIOS S2222 (KW DDLM31) FWHM / FWTM: 38.0 + 36.0° / 54.0° Efficiency: 96 % Peak intensity: 2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22P FWHM / FWTM: 42.0° Efficiency: 94 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

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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