TINA3-W

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

SPECIFICATION:

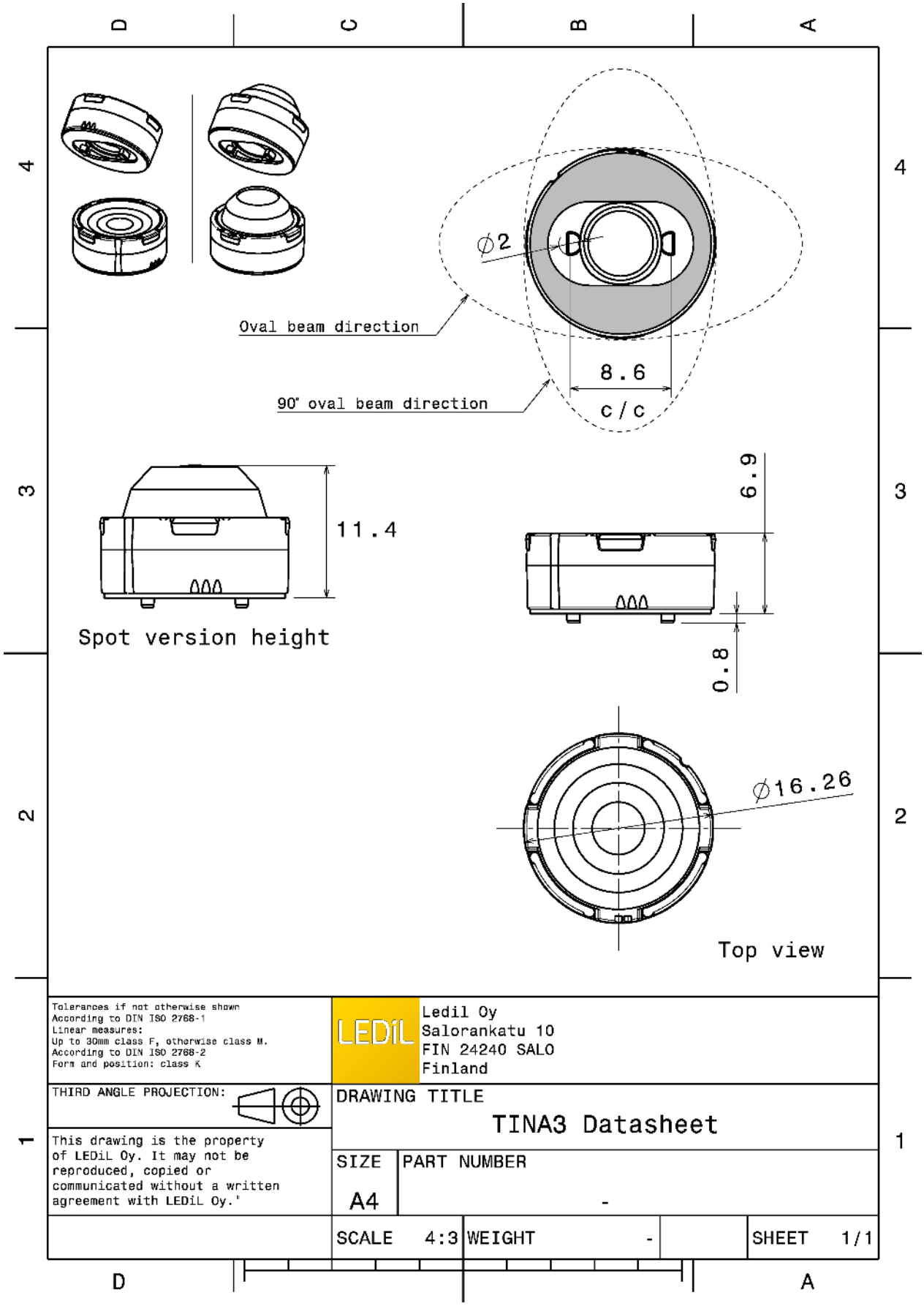
Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

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

OPTICAL RESULTS (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

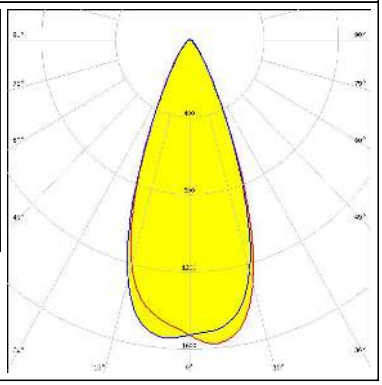
LED	XP-G
FWHM / FWTM	32.0° / 64.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

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:

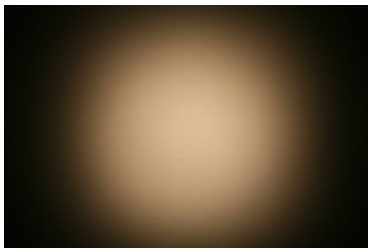


OPTICAL RESULTS (MEASURED):

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:

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

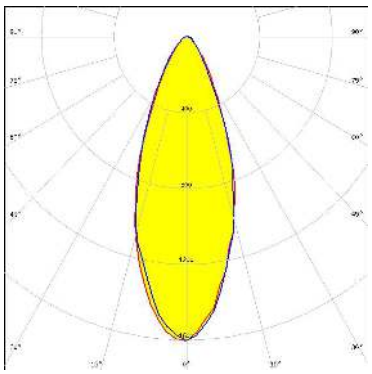
LED	OSLON SSL 150
FWHM / FWTM	37.0° / 60.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

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

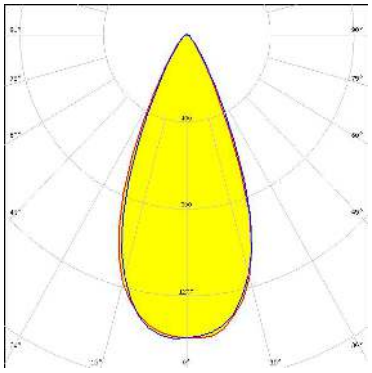
Required components:



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

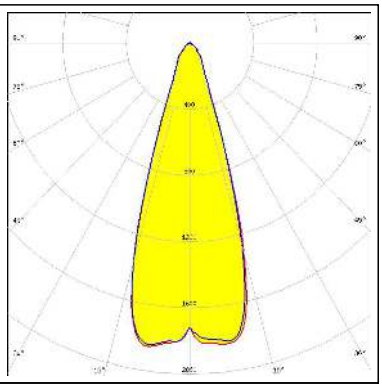
Required components:



OPTICAL RESULTS (SIMULATED):

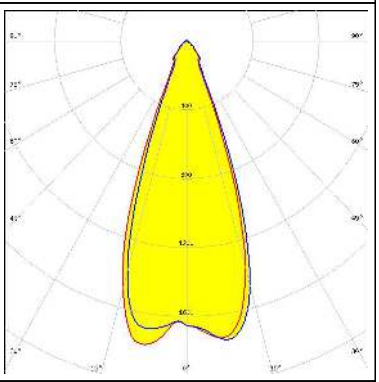
NICHIA

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:	



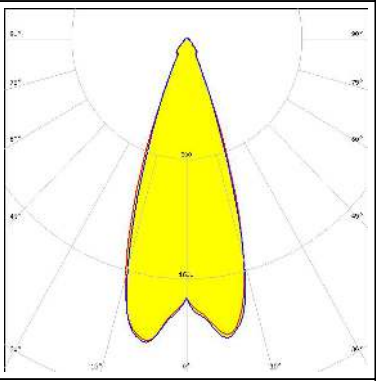
NICHIA

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:	



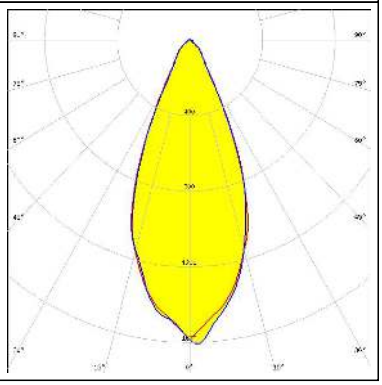
OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	38.0 + 36.0° / 54.0°
Efficiency	96 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	42.0°
Efficiency	94 %
Peak intensity	1.6 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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