TINA3-S

~13° spot beam optimized for CREE XP-E. Assembly with holder and installation tape.



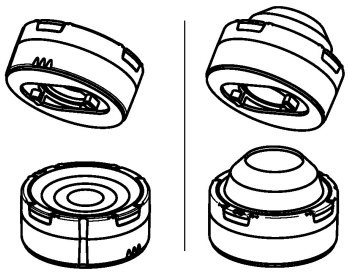
TECHNICAL SPECIFICATIONS:

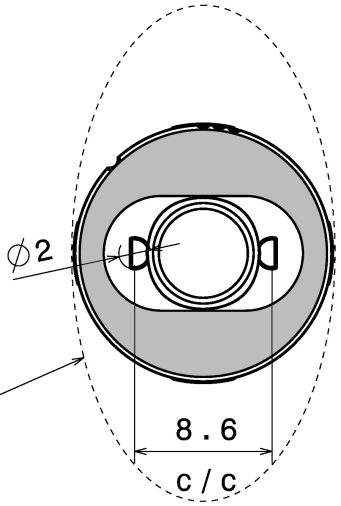
Dimensions	Ø 16.1 mm
Height	11.4 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3.7 kg
Quantity in Box	2016 pcs
ROHS compliant	yes

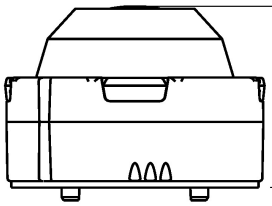
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA3-S	Lens	PMMA	clear
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white
TINA-TAPE3	Tape	PU tape	black

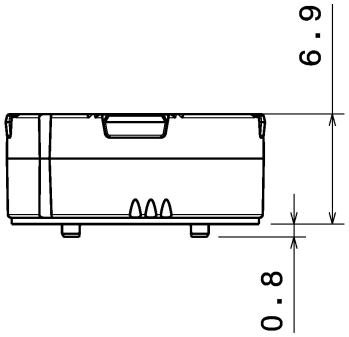
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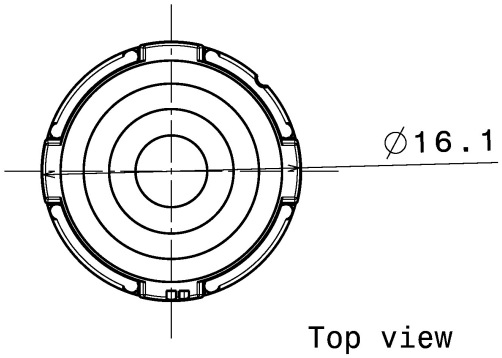






Spot version height





Top view

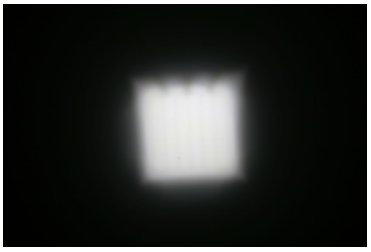
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE TINA3 Datasheet
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."	SIZE A4 / PART NUMBER -
	SCALE 4:3 / WEIGHT - / SHEET 1/1

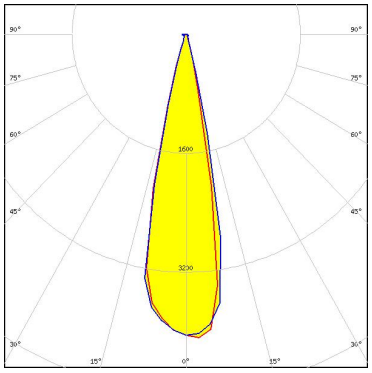
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PHOTOMETRIC DATA (MEASURED):

CREE

LED	XM-L
FWHM	23.0°
Efficiency	86 %
Peak intensity	3.440 cd/lm
Required components:	



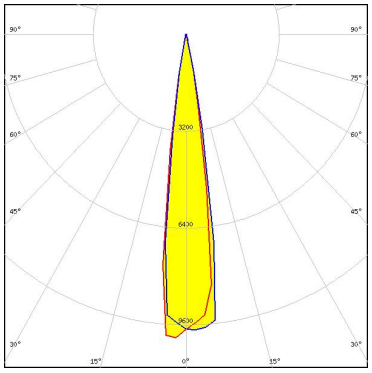


CREE

LED	XP-E
FWHM	10.0°
Efficiency	86 %
Peak intensity	15.800 cd/lm
Required components:	

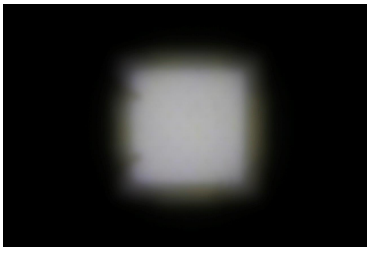
CREE

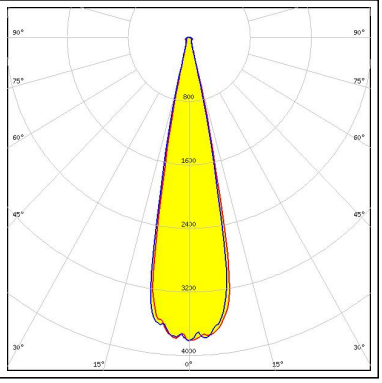
LED	XP-G
FWHM	15.0°
Efficiency	86 %
Peak intensity	6.700 cd/lm
Required components:	



CREE

LED	XP-L
FWHM	23.0°
Efficiency	87 %
Peak intensity	3.840 cd/lm
Required components:	



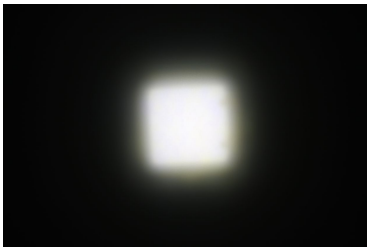


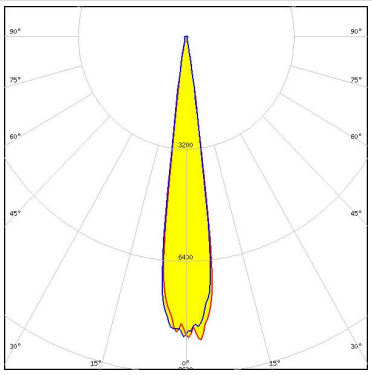
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PHOTOMETRIC DATA (MEASURED):

CREE

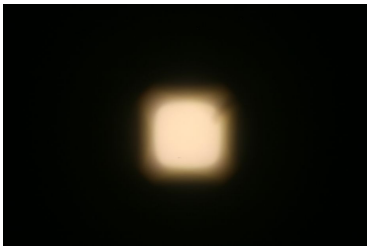
LED	XP-L HI
FWHM	15.0°
Efficiency	88 %
Peak intensity	8.900 cd/lm
Required components:	





LUMILEDS

LED	LUXEON A
FWHM	16.0°
Efficiency	83 %
Peak intensity	6.700 cd/lm
Required components:	



LUMILEDS

LED	LUXEON Rebel
FWHM	11.0°
Efficiency	83 %
Peak intensity	12.900 cd/lm
Required components:	

LUMILEDS

LED	LUXEON Rebel ES
FWHM	18.5°
Efficiency	82 %
Peak intensity	6.900 cd/lm
Required components:	

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PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NVSxx19A
FWHM	16.5°
Efficiency	87 %
Peak intensity	6.800 cd/lm

Required components:

OSRAM
Opto Semiconductors

LED	Oslon SSL 150
FWHM	9.0°
Efficiency	84 %
Peak intensity	18.400 cd/lm

Required components:

OSRAM
Opto Semiconductors

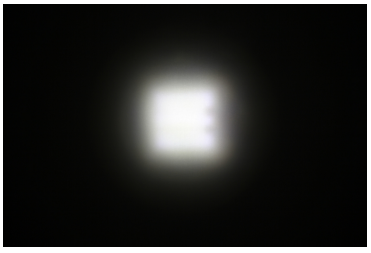
LED	Oslon SSL 80
FWHM	11.0°
Efficiency	86 %
Peak intensity	14.000 cd/lm

Required components:

SEOUL SEMICONDUCTOR

LED	Z5
FWHM	10.0°
Efficiency	80 %
Peak intensity	16.390 cd/lm

Required components:



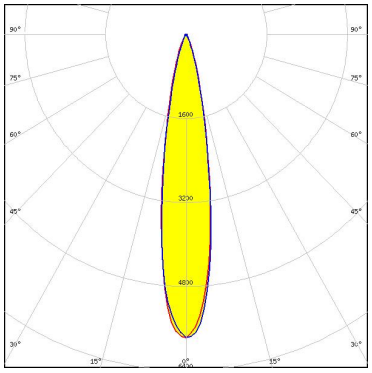
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PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM	15.0°
Efficiency	80 %
Peak intensity	5.420 cd/lm

Required components:



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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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