



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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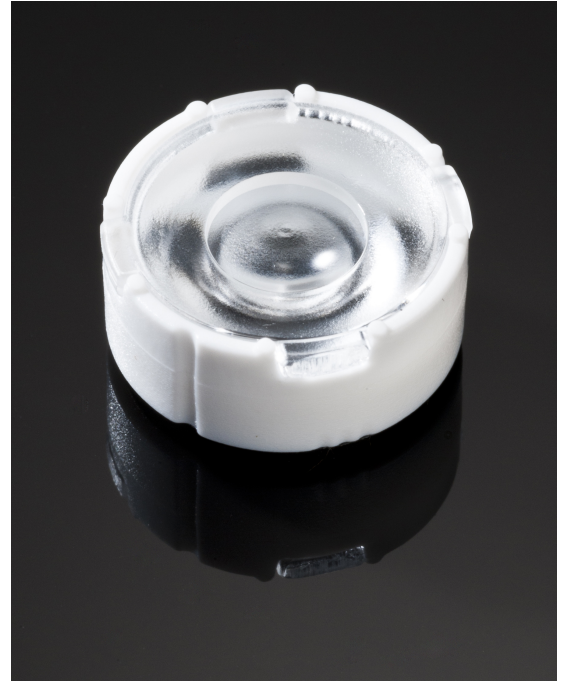


TINA3-W

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

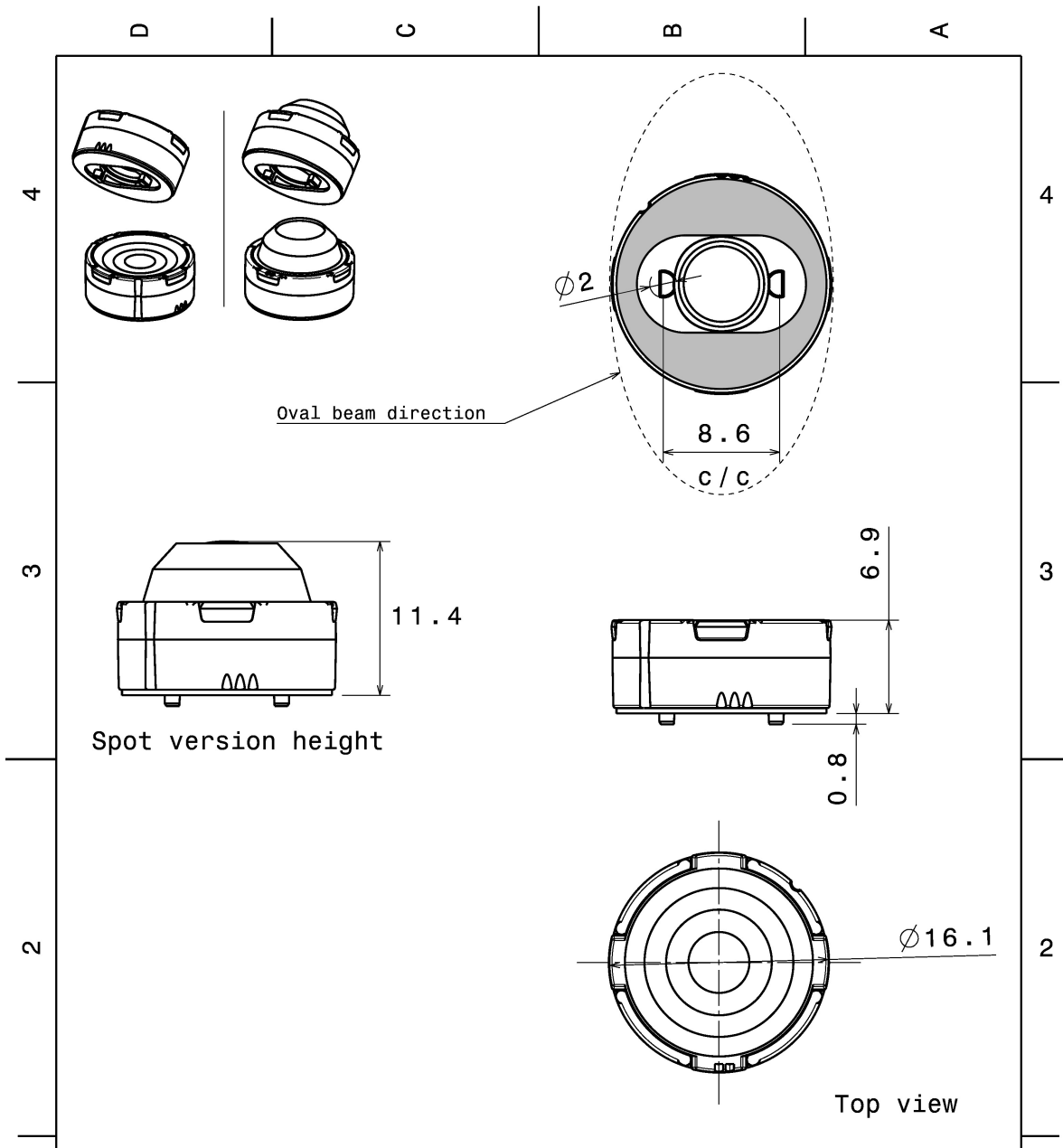
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3.2 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

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



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 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	

PHOTOMETRIC DATA (MEASURED):

CREE ⇄

LED XB-D
FWHM 40.0°
Efficiency 91 %
Peak intensity 1.540 cd/lm
Required components:

CREE ⇄

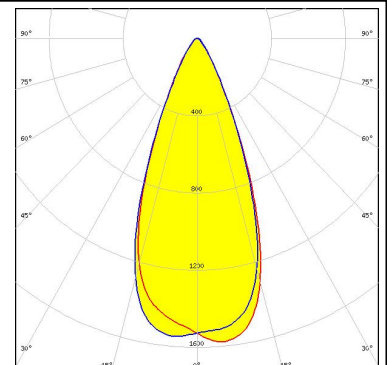
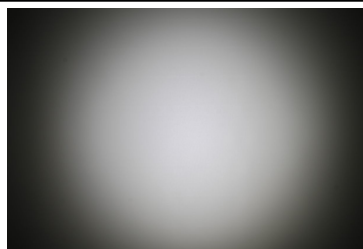
LED XP-E
FWHM 41.0°
Efficiency 93 %
Peak intensity 1.780 cd/lm
Required components:

CREE ⇄

LED XP-G
FWHM 32.0°
Efficiency 93 %
Peak intensity 1.520 cd/lm
Required components:

CREE ⇄

LED XP-L HI
FWHM 43.0°
Efficiency 91 %
Peak intensity 1.600 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON A
FWHM 44.0°
Efficiency 90 %
Peak intensity 1.400 cd/lm
Required components:



LUMILEDS

LED LUXEON Rebel
FWHM 38.0°
Efficiency 83 %
Peak intensity 1.700 cd/lm
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM 45.0°
Efficiency 91 %
Peak intensity 1.290 cd/lm
Required components:

NICHIA

LED NVSxx19A
FWHM 41.0°
Efficiency 93 %
Peak intensity 1.370 cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 37.0°
Efficiency 89 %
Peak intensity 2.030 cd/lm
Required components:

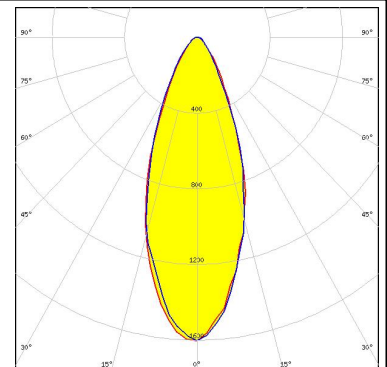
OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 36.0°
Efficiency 91 %
Peak intensity 1.940 cd/lm
Required components:



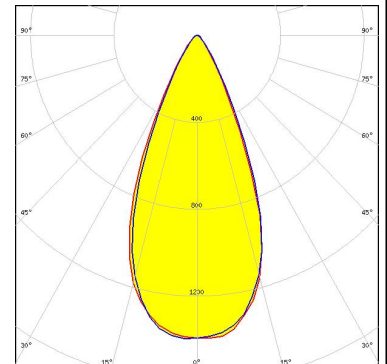
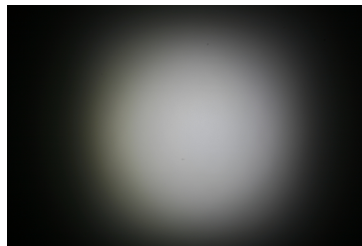
SEOUL SEMICONDUCTOR

LED Z5
FWHM 38.0°
Efficiency 92 %
Peak intensity 1.600 cd/lm
Required components:

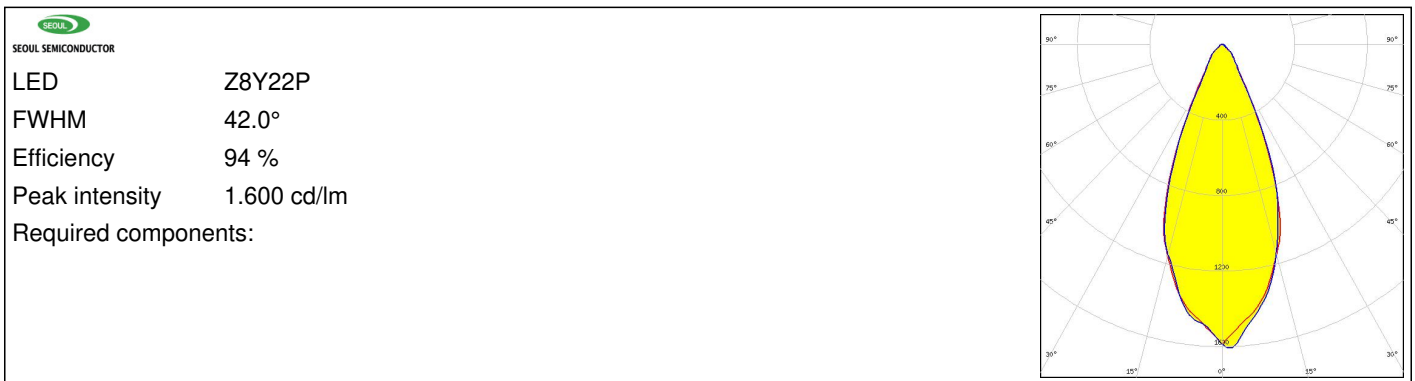


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 48.0°
Efficiency 90 %
Peak intensity 1.400 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):



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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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