



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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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TINA2-W

~45° wide beam optimized for CREE XP-E.
Assembly with holder and installation tape.

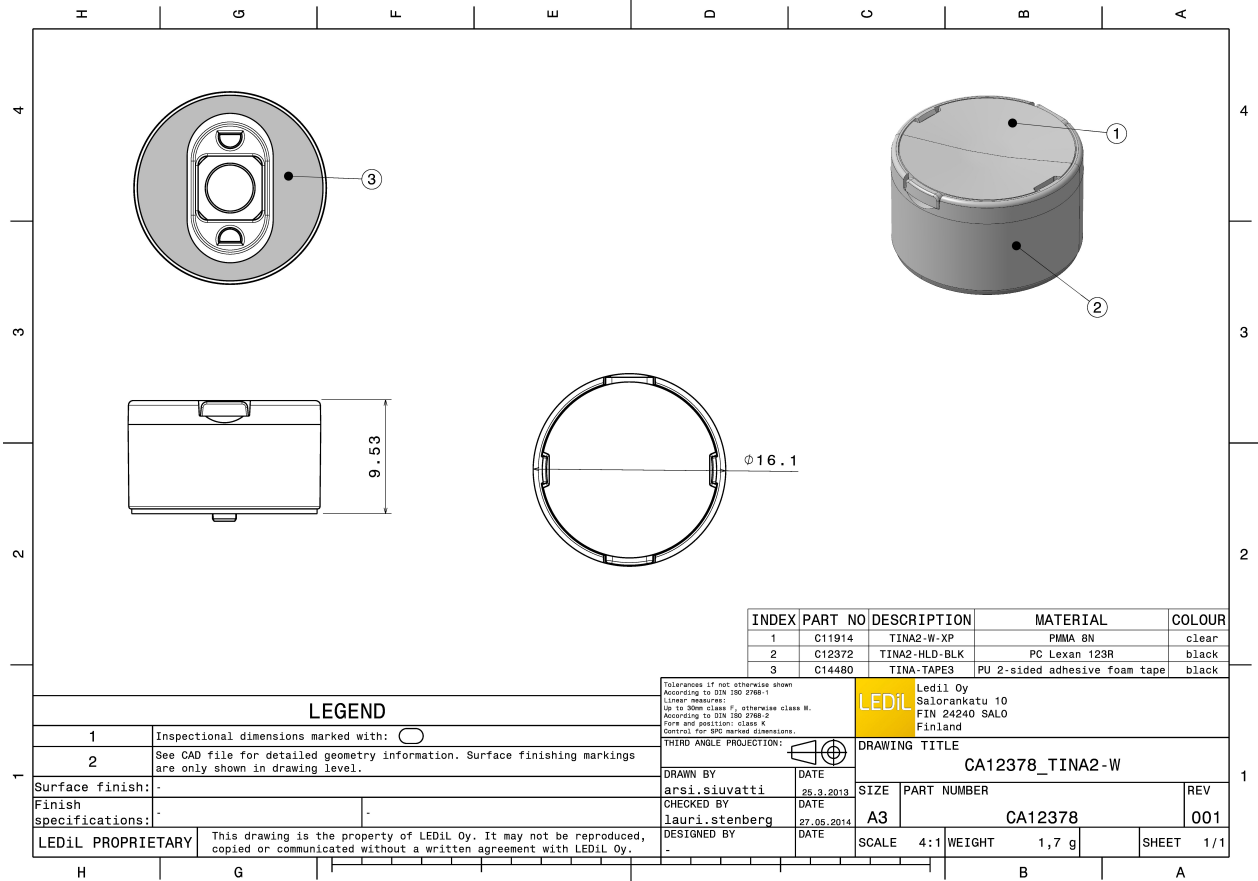
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	8.3 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

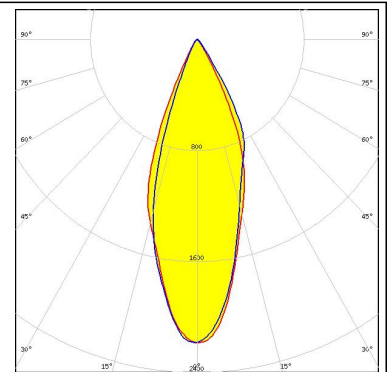
Component	Type	Material	Colour
TINA2-W-XP	Lens	PMMA	clear
TINA2-HLD-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



PHOTOMETRIC DATA (MEASURED):

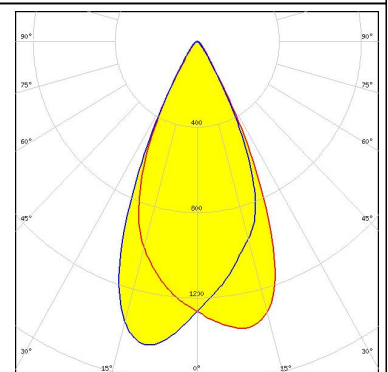
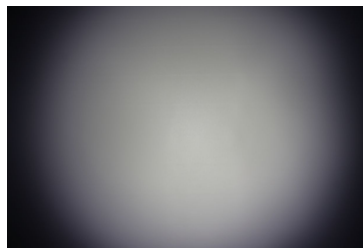
LUMILEDS

LED LUXEON CZ
 FWHM 39.0°
 Efficiency 92 %
 Peak intensity 2.200 cd/lm
 Required components:



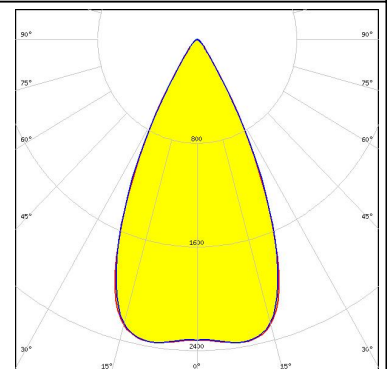
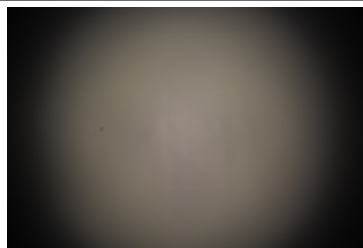
LUMILEDS

LED LUXEON TX
 FWHM 49.0°
 Efficiency 88 %
 Peak intensity 1.550 cd/lm
 Required components:



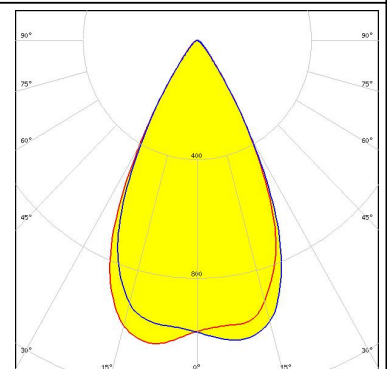
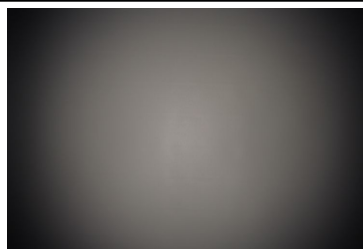
NICHIA

LED NVSxx19B/NVSxx19C
 FWHM 52.0°
 Efficiency 87 %
 Peak intensity 1.400 cd/lm
 Required components:



NICHIA

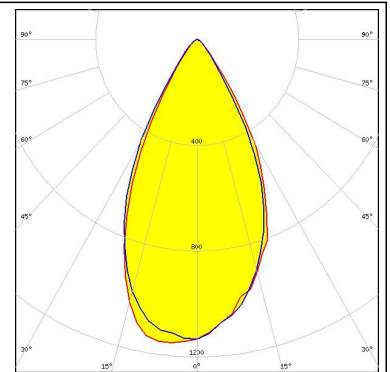
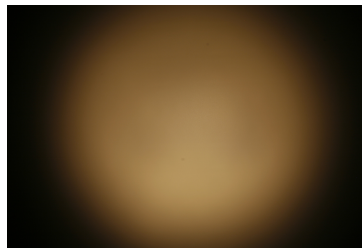
LED NWSx229A
 FWHM 55.0°
 Efficiency 84 %
 Peak intensity 1.000 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

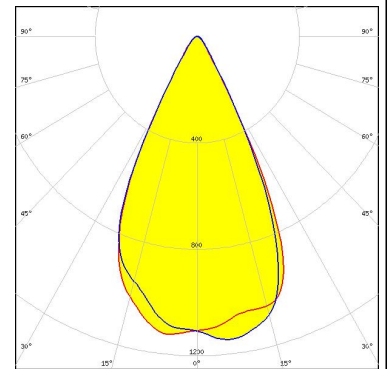
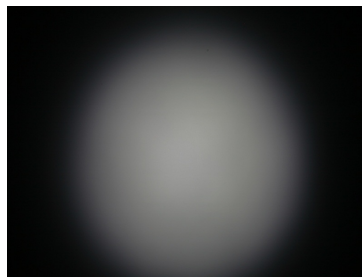
OSRAM
Opto Semiconductors

LED Oslon Square EC
FWHM 50.0°
Efficiency 84 %
Peak intensity 1.100 cd/lm
Required components:



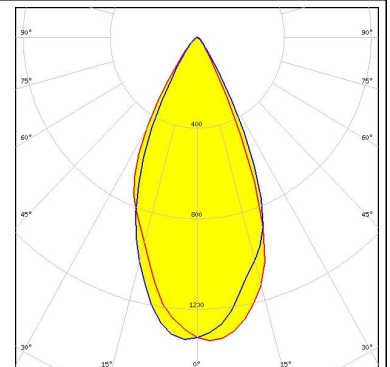
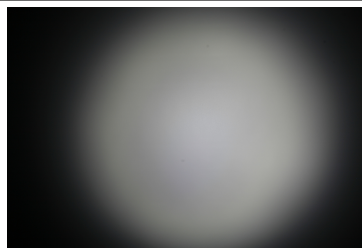
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 53.0°
Efficiency 85 %
Peak intensity 1.200 cd/lm
Required components:



OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 49.0°
Efficiency 86 %
Peak intensity 1.300 cd/lm
Required components:



OSRAM
Opto Semiconductors

LED SFH 4715S
FWHM 36.0°
Efficiency %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4725S

FWHM 38.0°

Efficiency %

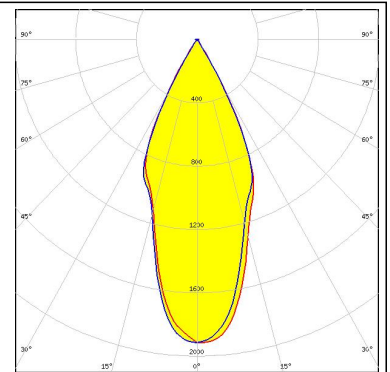
Peak intensity cd/lm

Required components:

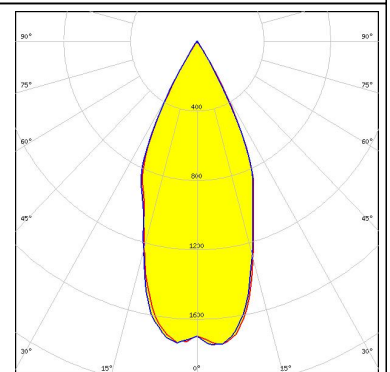
PHOTOMETRIC DATA (SIMULATED):



LED XQ-E HI
FWHM 42.0°
Efficiency 92 %
Peak intensity 1.900 cd/lm
Required components:



LED LUXEON C
FWHM 44.0°
Efficiency 91 %
Peak intensity 1.800 cd/lm
Required components:



LED LUXEON IR Compact
FWHM 51.0°
Efficiency 84 %
Peak intensity 0.000 cd/lm
Required components:

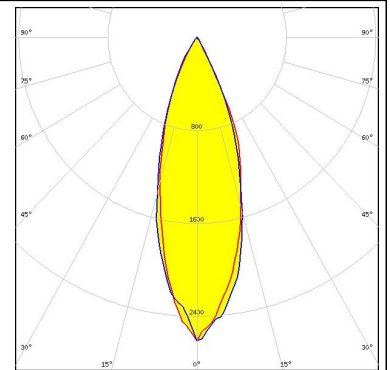


LED SFH 4770S
FWHM 32.0°
Efficiency 88 %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (SIMULATED):

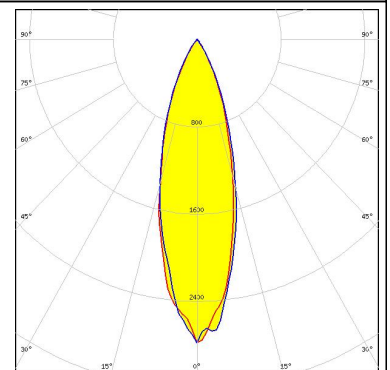
OSRAM
Opto Semiconductors

LED Synios P2720 1 mm
FWHM 31.0°
Efficiency 92 %
Peak intensity 2.670 cd/lm
Required components:



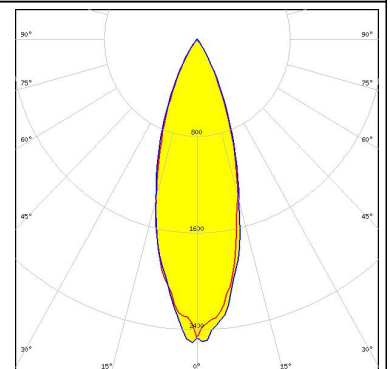
OSRAM
Opto Semiconductors

LED Synios P2720 1/2 mm
FWHM 30.0°
Efficiency 92 %
Peak intensity 2.790 cd/lm
Required components:



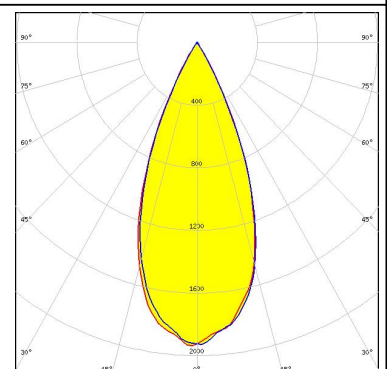
OSRAM
Opto Semiconductors

LED Synios P2720 1/4 mm
FWHM 31.0°
Efficiency 92 %
Peak intensity 2.590 cd/lm
Required components:



SAMSUNG

LED LH181B
FWHM 43.0°
Efficiency 93 %
Peak intensity 2.000 cd/lm
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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