



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!



Contact us

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

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



VERONICA-SQ-MINI-RS

~17° spot beam

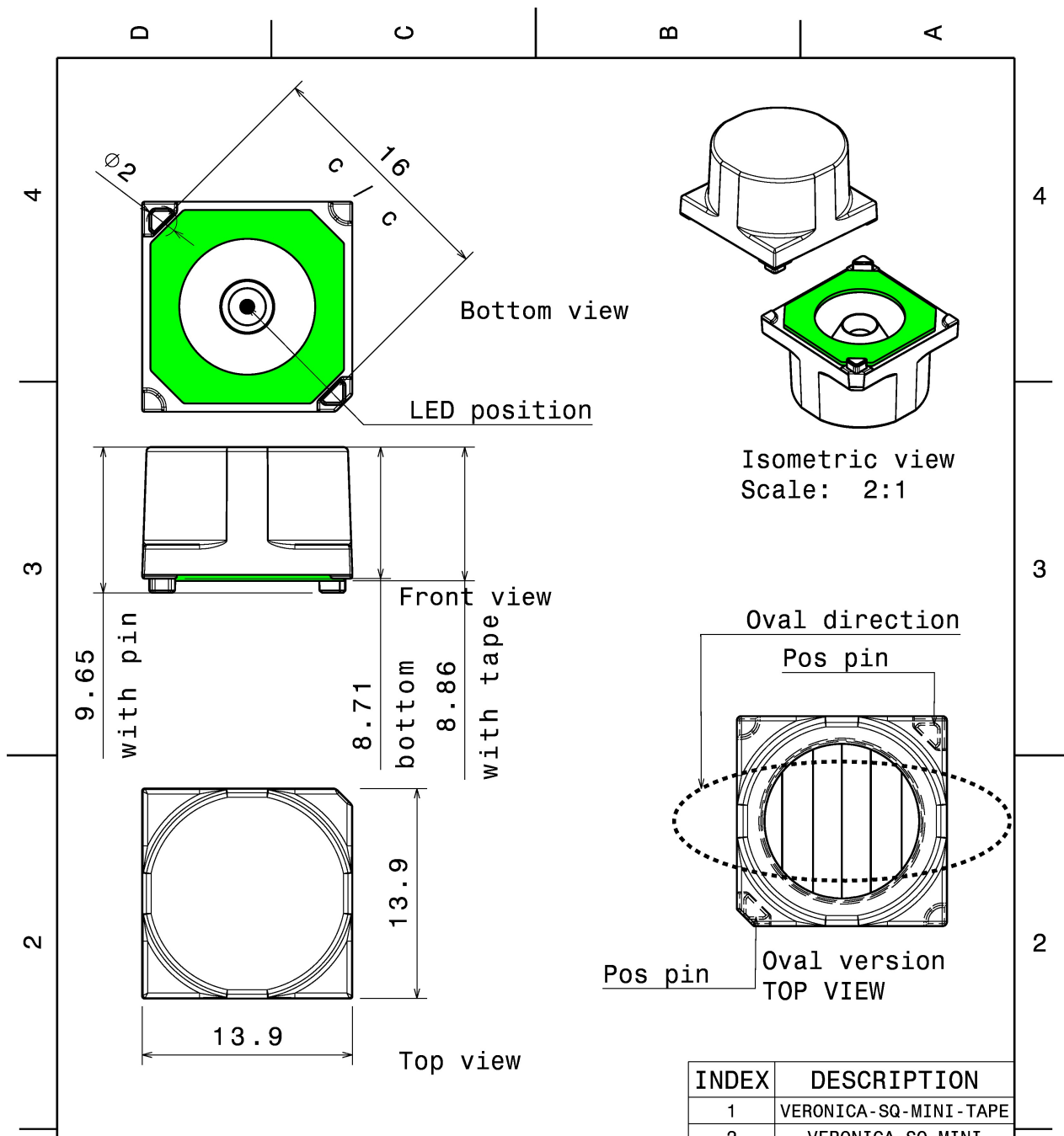
TECHNICAL SPECIFICATIONS:

Dimensions	13.9+13.9 mm
Height	8.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.6 kg
Quantity in Box	5544 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
VERONICA-SQ-MINI-RS	Lens	PMMA	clear
VERONICA-SQ-MINI-TAPE	Tape	Acrylic foam	clear



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
 Joensuunkatu 13
 FIN 24100 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA-SQ-MINI

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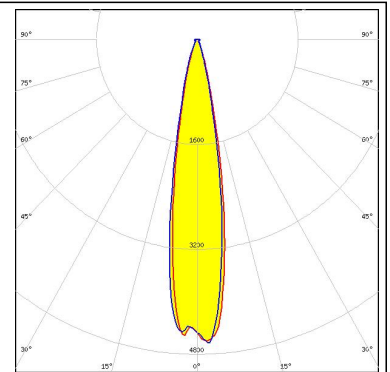
SIZE	PART NUMBER
A4	-

SCALE	3:1	WEIGHT		SHEET	1/1
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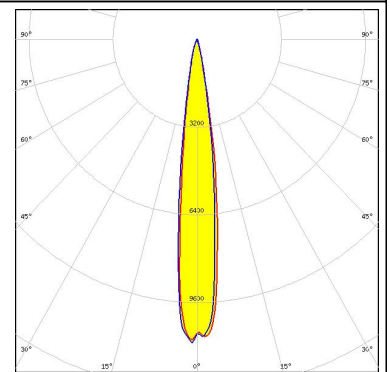
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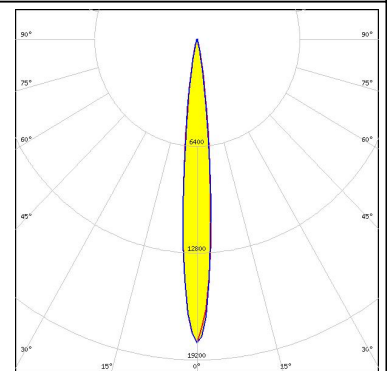
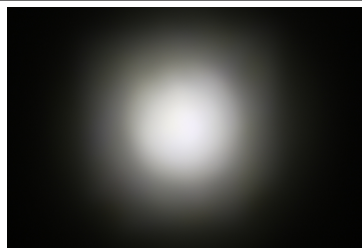
LED XD16
 FWHM 19.0°
 Efficiency 92 %
 Peak intensity 4.600 cd/lm
 Required components:



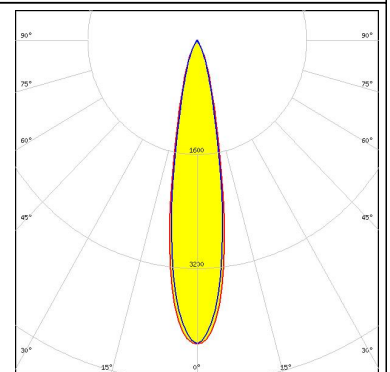
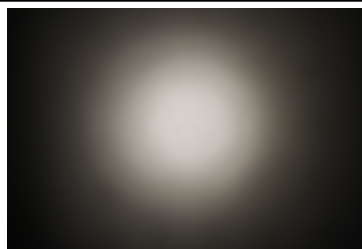
LED XP-E2
 FWHM 14.0°
 Efficiency 92 %
 Peak intensity 11.000 cd/lm
 Required components:



LED XQ-E HI
 FWHM 9.4°
 Efficiency 90 %
 Peak intensity 14.700 cd/lm
 Required components:



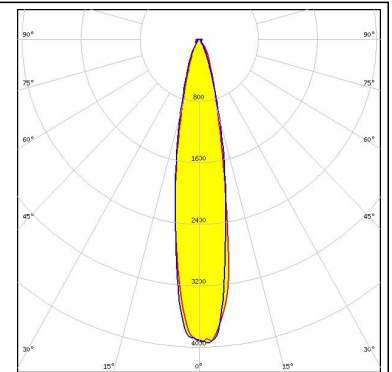
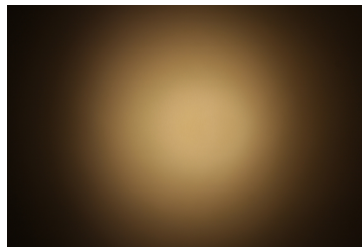
LED LUXEON Rebel ES
 FWHM 21.0°
 Efficiency 83 %
 Peak intensity 4.300 cd/lm
 Required components:



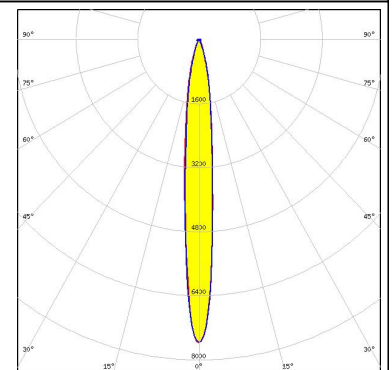
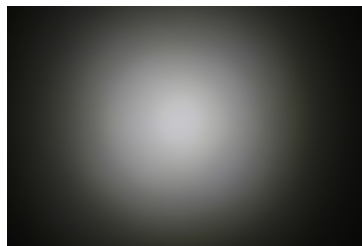
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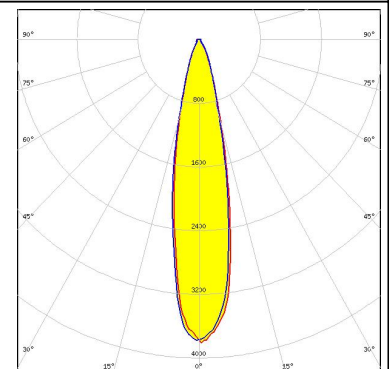
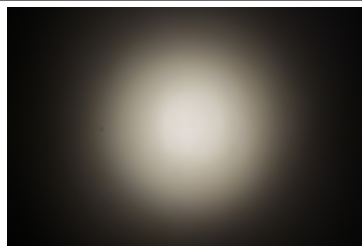
LED LUXEON TX
 FWHM 20.0°
 Efficiency 92 %
 Peak intensity 3.960 cd/lm
 Required components:



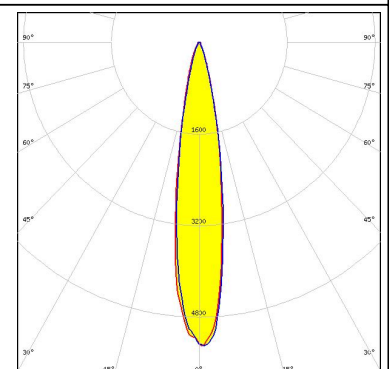
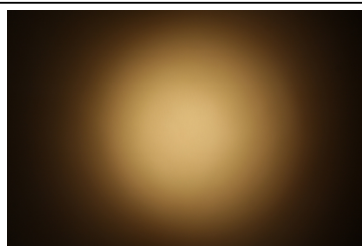
LED NCSxE17A
 FWHM 11.0°
 Efficiency 92 %
 Peak intensity 7.600 cd/lm
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 21.0°
 Efficiency 93 %
 Peak intensity 3.800 cd/lm
 Required components:



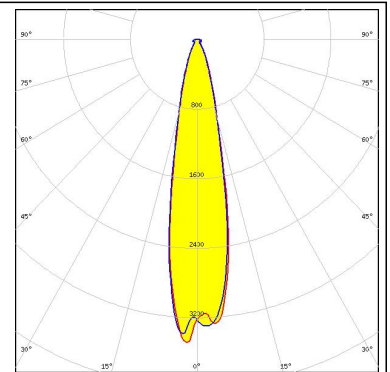
LED Oslon Square EC
 FWHM 18.0°
 Efficiency 91 %
 Peak intensity 5.330 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

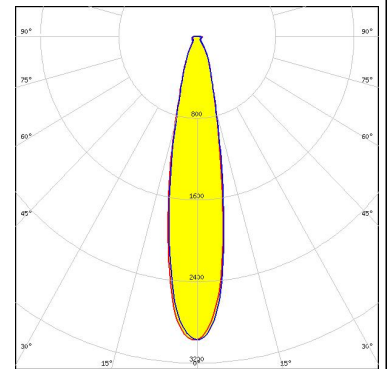
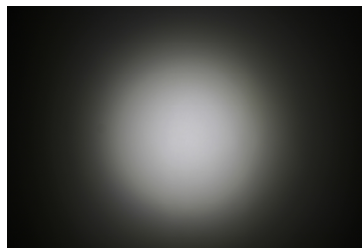
SAMSUNG

LED LH181B
FWHM 22.0°
Efficiency 94 %
Peak intensity 3.500 cd/lm
Required components:



SEOUL SEMICONDUCTOR

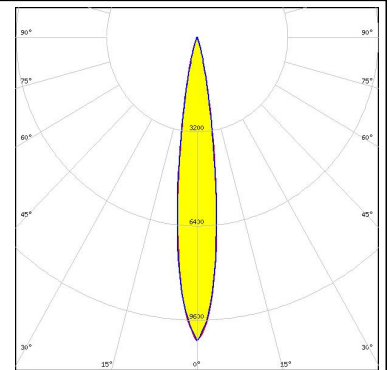
LED Z8Y22P
FWHM 21.0°
Efficiency 92 %
Peak intensity 3.000 cd/lm
Required components:



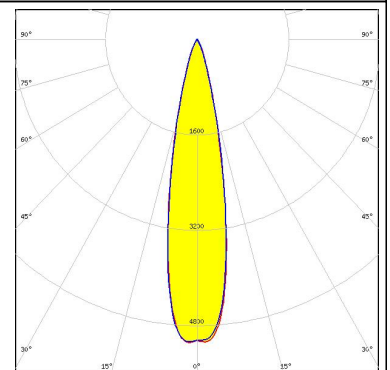
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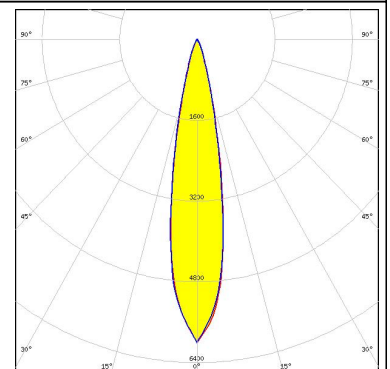
LED XP-E
 FWHM 15.0°
 Efficiency 92 %
 Peak intensity 10.300 cd/lm
 Required components:



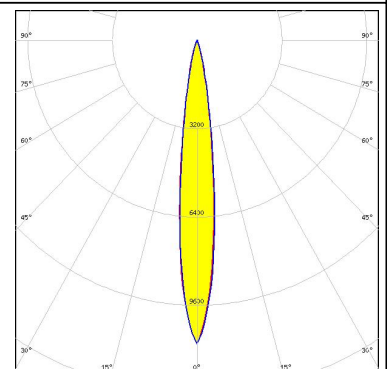
LED XP-G
 FWHM 21.0°
 Efficiency 91 %
 Peak intensity 5.170 cd/lm
 Required components:



LED XP-G2
 FWHM 20.0°
 Efficiency 93 %
 Peak intensity 6.010 cd/lm
 Required components:



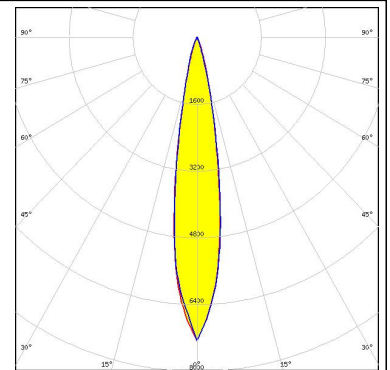
LED XQ-E
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 11.000 cd/lm
 Required components:



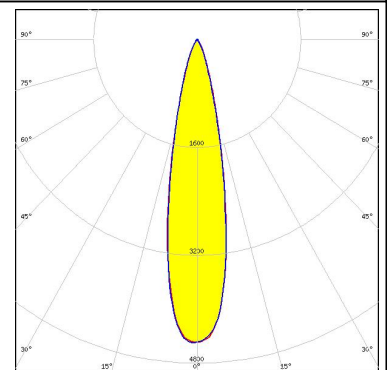
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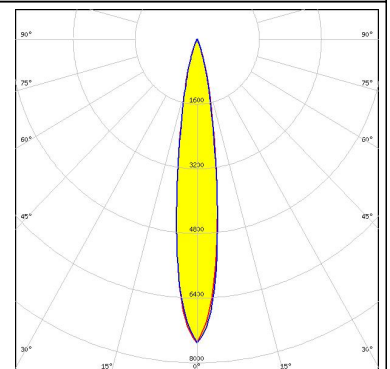
LED H35B0 (LEMWA32)
 FWHM 17.0°
 Efficiency 91 %
 Peak intensity 7.270 cd/lm
 Required components:



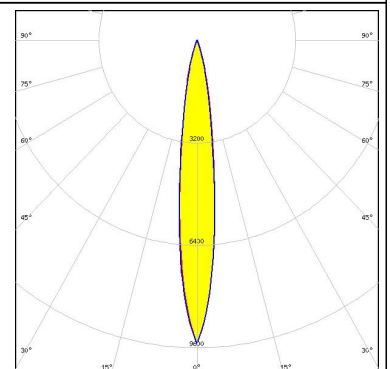
LED LUXEON A
 FWHM 21.0°
 Efficiency 89 %
 Peak intensity 4.540 cd/lm
 Required components:



LED LUXEON Rebel
 FWHM 16.0°
 Efficiency 87 %
 Peak intensity 7.510 cd/lm
 Required components:



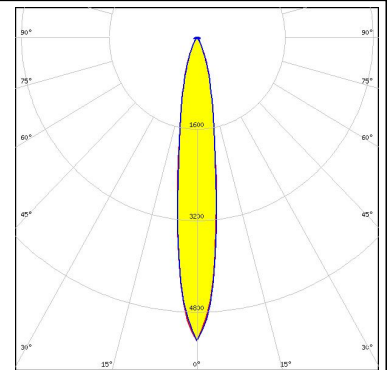
LED LUXEON Z ES
 FWHM 14.0°
 Efficiency 89 %
 Peak intensity 9.500 cd/lm
 Required components:



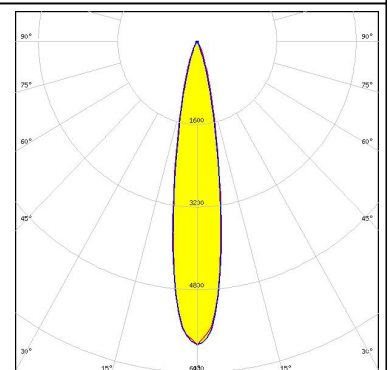
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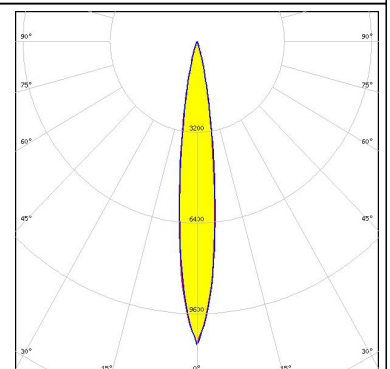
LED NVSxE21A
 FWHM 15.0°
 Efficiency 94 %
 Peak intensity 5.300 cd/lm
 Required components:



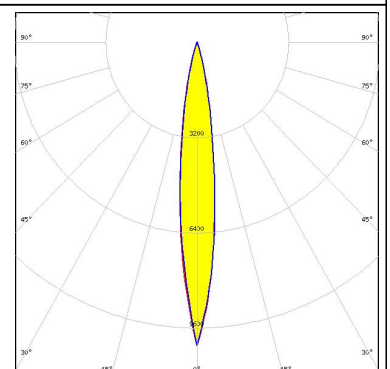
LED Oslon Square Gen3
 FWHM 18.0°
 Efficiency 92 %
 Peak intensity 5.900 cd/lm
 Required components:



LED Oslon SSL 150
 FWHM 14.0°
 Efficiency 89 %
 Peak intensity 10.700 cd/lm
 Required components:



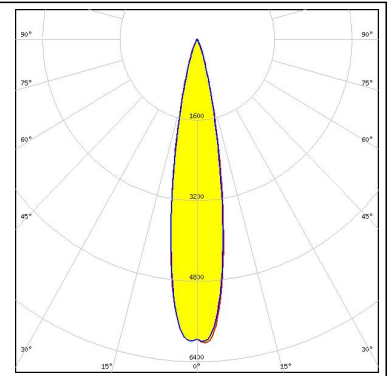
LED Oslon SSL 80
 FWHM 14.0°
 Efficiency 90 %
 Peak intensity 10.200 cd/lm
 Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH351Z
FWHM 19.0°
Efficiency 92 %
Peak intensity 6.060 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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Hong Kong, China

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