



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



EMERALD-A

Asymmetric beam

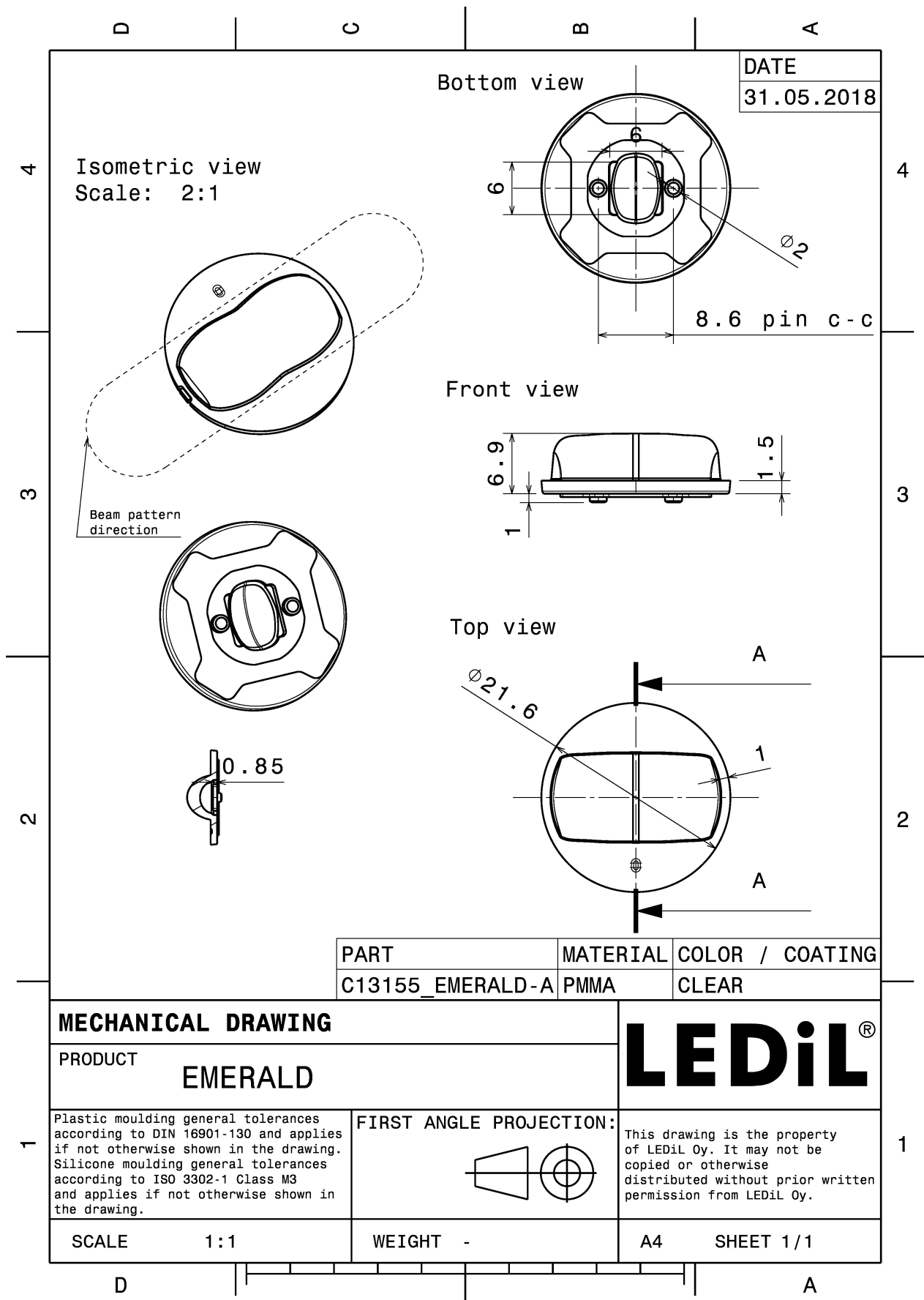
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	6.9 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	4.6 kg
Quantity in Box	2016 pcs
ROHS compliant	yes 



MATERIAL SPECIFICATIONS:

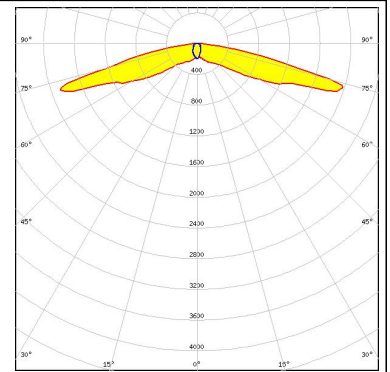
Component	Type	Material	Colour
EMERALD-A	Lens	PMMA	clear



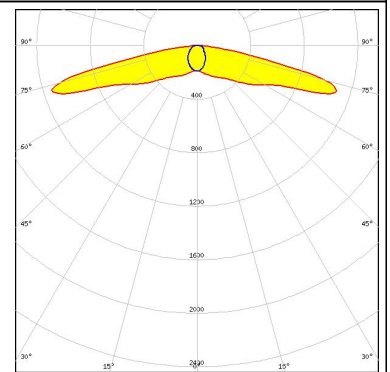
PHOTOMETRIC DATA (MEASURED):



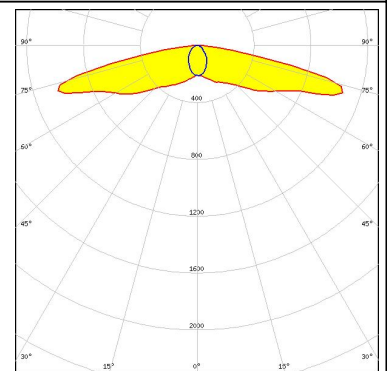
LED XB-D
 FWHM 157.0 + 62.0°
 Efficiency 90 %
 Peak intensity 2.000 cd/lm
 Required components:



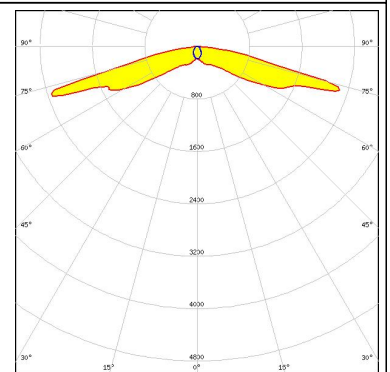
LED XM-L
 FWHM 157.0 + 83.0°
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 Required components:



LED XM-L2
 FWHM 169.0 + 73.0°
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 Required components:



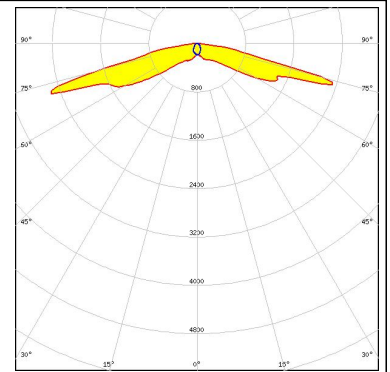
LED XP-E
 FWHM 158.0 + 73.0°
 Efficiency 93 %
 Peak intensity 2.300 cd/lm
 Required components:



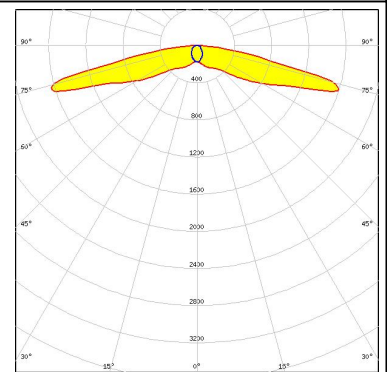
PHOTOMETRIC DATA (MEASURED):



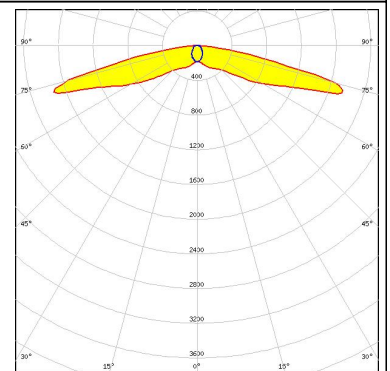
LED XP-E2
 FWHM 156.0 + 72.0°
 Efficiency 93 %
 Peak intensity 2.500 cd/lm
 Required components:



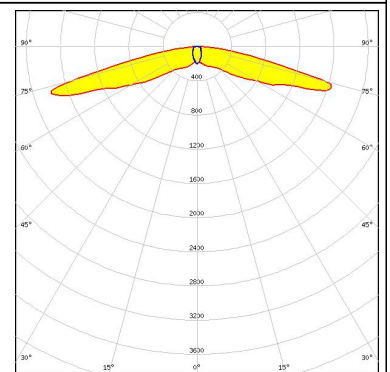
LED XP-G
 FWHM 159.0 + 79.0°
 Efficiency 89 %
 Peak intensity 1.600 cd/lm
 Required components:



LED XP-G2
 FWHM 158.0 + 79.0°
 Efficiency 94 %
 Peak intensity 1.800 cd/lm
 Required components:



LED XT-E
 FWHM 157.0 + 61.0°
 Efficiency 89 %
 Peak intensity 1.800 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

LG Innotek

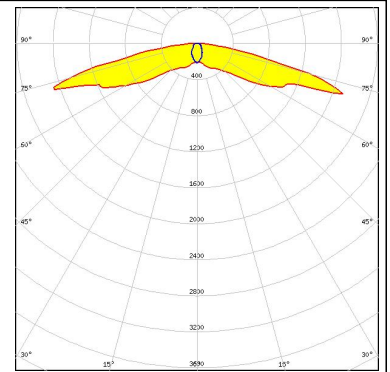
LED H35B0 (LEMWA32)

FWHM 160.0 + 66.0°

Efficiency 94 %

Peak intensity 1.700 cd/lm

Required components:



LG Innotek

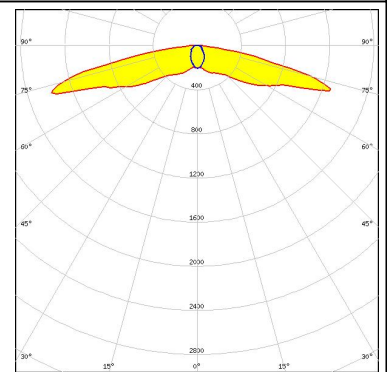
LED H35C0 (LEMWA33)

FWHM 159.0 + 72.0°

Efficiency 91 %

Peak intensity 1.400 cd/lm

Required components:



LUMILEDS

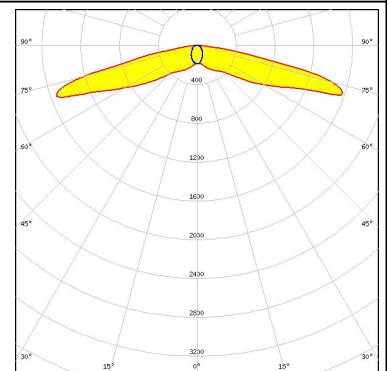
LED LUXEON A

FWHM 156.0 + 75.0°

Efficiency 92 %

Peak intensity 1.600 cd/lm

Required components:



LUMILEDS

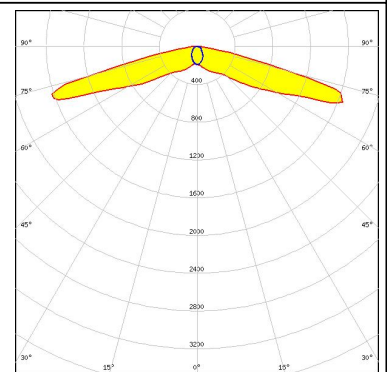
LED LUXEON R

FWHM 153.0 + 73.0°

Efficiency 92 %

Peak intensity 1.650 cd/lm

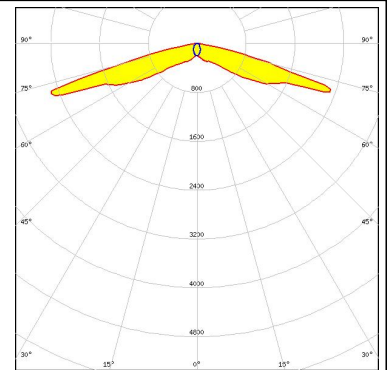
Required components:



PHOTOMETRIC DATA (MEASURED):

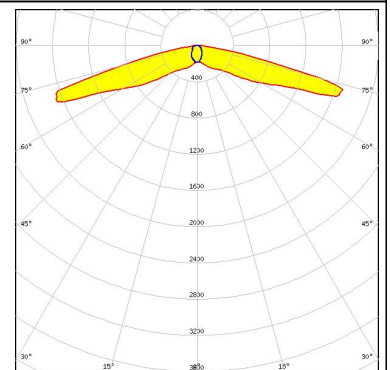
LUMILEDS

LED LUXEON Rebel
FWHM 152.0 + 67.0°
Efficiency 92 %
Peak intensity 2.500 cd/lm
Required components:



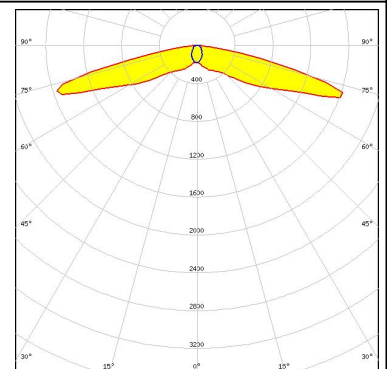
LUMILEDS

LED LUXEON Rebel ES
FWHM 153.0 + 74.0°
Efficiency 90 %
Peak intensity 1.700 cd/lm
Required components:



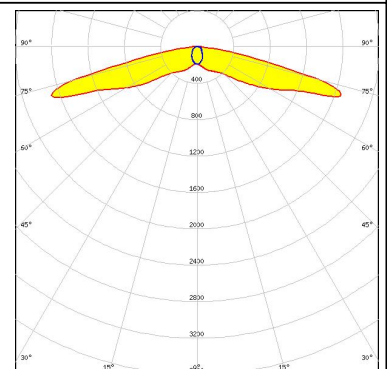
LUMILEDS

LED LUXEON T
FWHM 155.0 + 76.0°
Efficiency 93 %
Peak intensity 2.300 cd/lm
Required components:



LUMILEDS

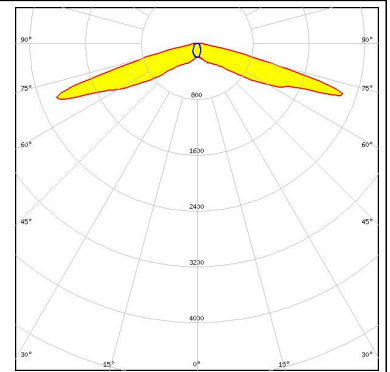
LED LUXEON TX
FWHM 156.0 + 73.0°
Efficiency 94 %
Peak intensity 1.690 cd/lm
Required components:



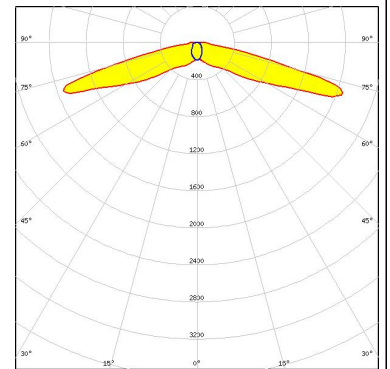
PHOTOMETRIC DATA (MEASURED):



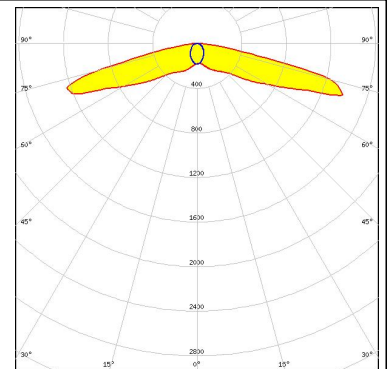
LED NCSxx19A
 FWHM 151.0 + 65.0°
 Efficiency 92 %
 Peak intensity 2.200 cd/lm
 Required components:



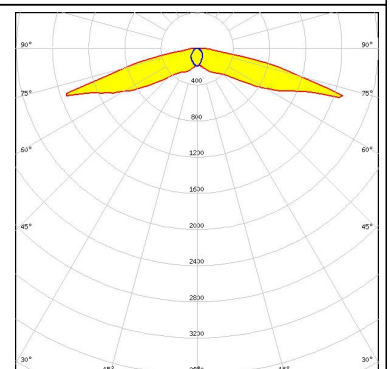
LED NVSxx19A
 FWHM 153.0 + 71.0°
 Efficiency 91 %
 Peak intensity 1.700 cd/lm
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 155.0 + 80.0°
 Efficiency 92 %
 Peak intensity 1.400 cd/lm
 Required components:



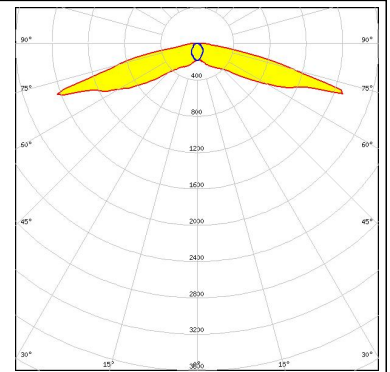
LED Oslon Square EC
 FWHM 156.0 + 80.0°
 Efficiency 93 %
 Peak intensity 1.700 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

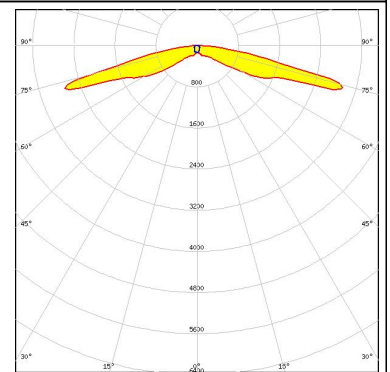
OSRAM
Opto Semiconductors

LED Oslon Square PC
 FWHM 156.0 + 83.0°
 Efficiency 93 %
 Peak intensity 1.700 cd/lm
 Required components:



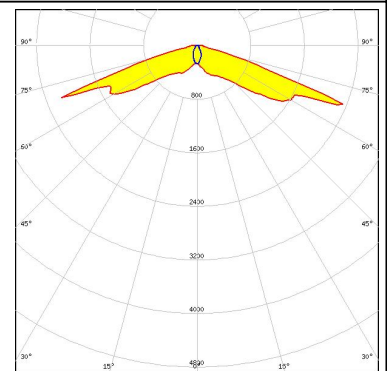
OSRAM
Opto Semiconductors

LED Oslon SSL 150
 FWHM 157.0 + 86.0°
 Efficiency 92 %
 Peak intensity 2.900 cd/lm
 Required components:



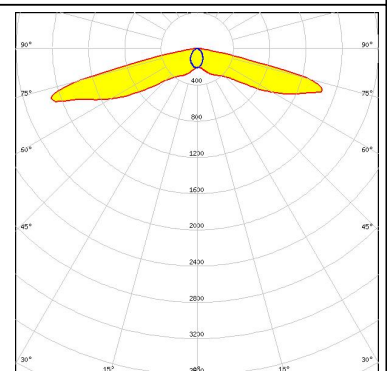
OSRAM
Opto Semiconductors

LED Oslon SSL 80
 FWHM 147.0 + 52.0°
 Efficiency 89 %
 Peak intensity 1.900 cd/lm
 Required components:



SAMSUNG

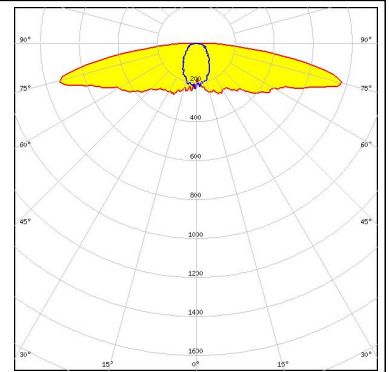
LED LH351Z
 FWHM 154.0 + 76.0°
 Efficiency 94 %
 Peak intensity 1.700 cd/lm
 Required components:



PHOTOMETRIC DATA (SIMULATED):

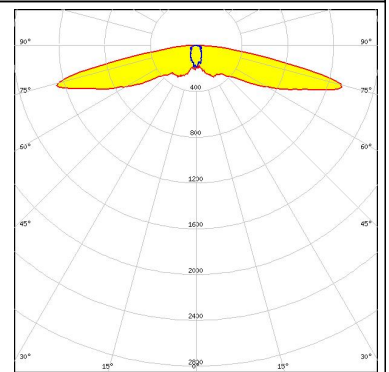
CREE 

LED XHP35 HD
FWHM 164.0 + 68.0°
Efficiency 91 %
Peak intensity 0.770 cd/lm
Required components:



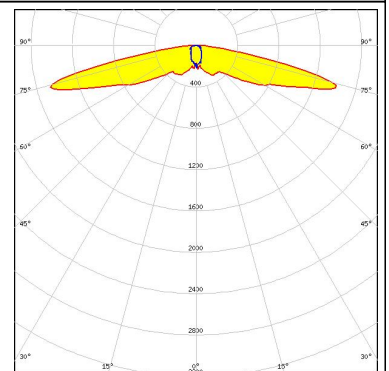
CREE 

LED XP-L HI
FWHM 159.0°
Efficiency 89 %
Peak intensity 1.300 cd/lm
Required components:



OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 158.0 + 70.0°
Efficiency 93 %
Peak intensity 1.500 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:

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