

VERONICA-SQ-O

~55° + 12° oval beam

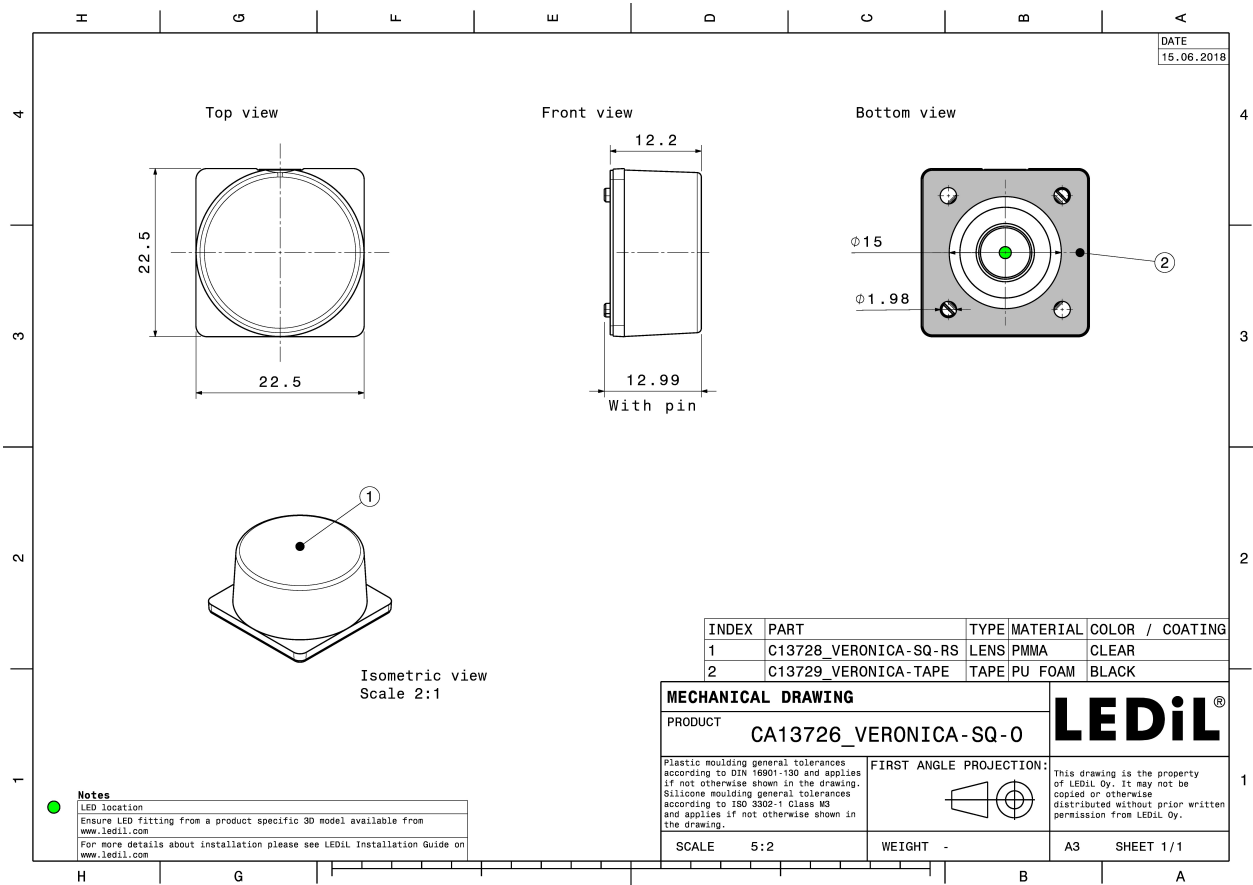
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.2 kg
Quantity in Box	1980 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

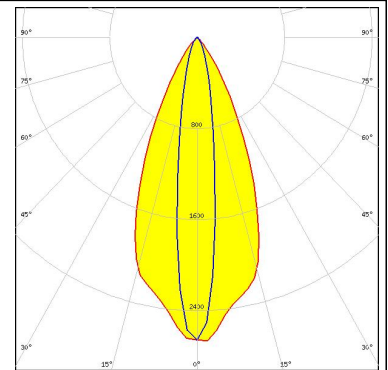
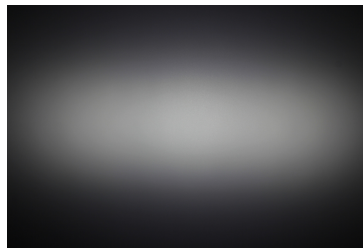
Component	Type	Material	Colour
VERONICA-SQ-O	Lens	PMMA	clear
VERONICA-TAPE	Tape	PU tape	clear



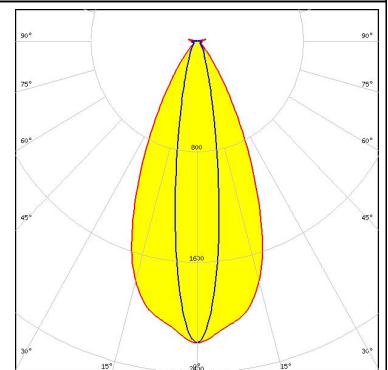
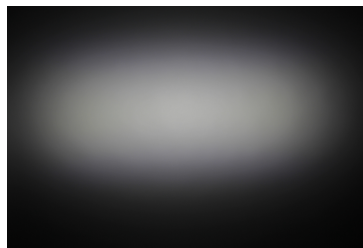
PHOTOMETRIC DATA (MEASURED):



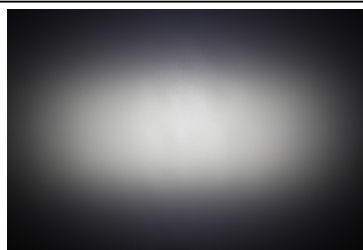
LED XB-H
FWHM 45.0 + 16.0°
Efficiency 77 %
Peak intensity 2.700 cd/lm
Required components:



LED XD16
FWHM 47.0 + 17.0°
Efficiency 87 %
Peak intensity 2.200 cd/lm
Required components:



LED XHP35 HD
FWHM 45.0 + 20.0°
Efficiency 73 %
Peak intensity 2.130 cd/lm
Required components:



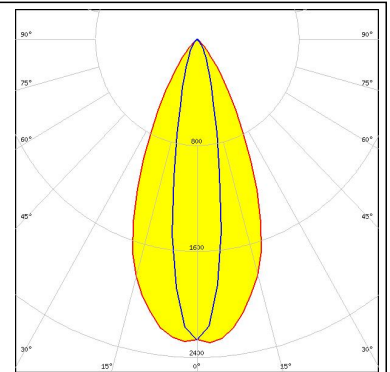
LED XHP35 HI
FWHM 46.0 + 16.0°
Efficiency 75 %
Peak intensity 2.700 cd/lm
Required components:



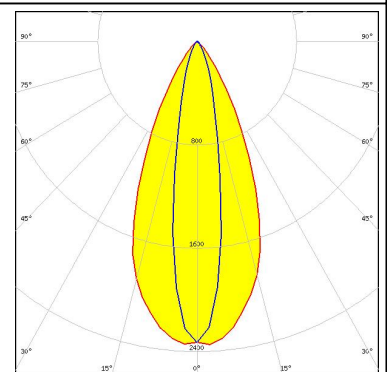
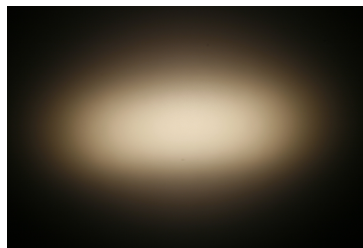
PHOTOMETRIC DATA (MEASURED):



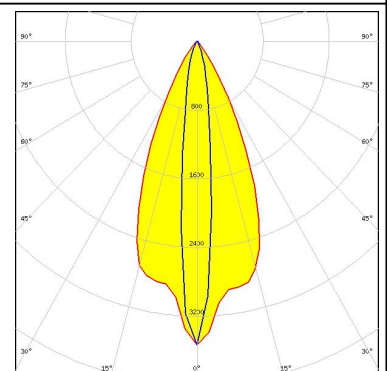
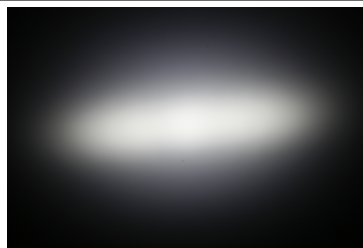
LED XM-L
 FWHM 47.0 + 20.0°
 Efficiency 80 %
 Peak intensity 2.300 cd/lm
 Required components:



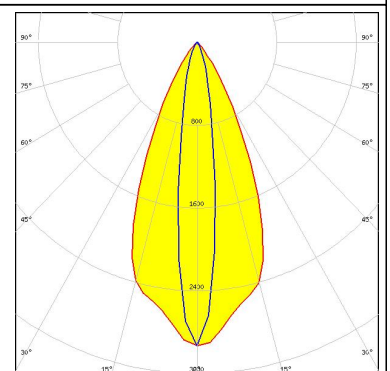
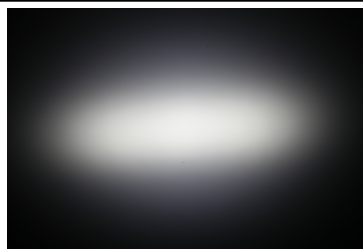
LED XM-L2
 FWHM 47.0 + 20.0°
 Efficiency 80 %
 Peak intensity 2.300 cd/lm
 Required components:



LED XP-E2
 FWHM 46.0 + 12.0°
 Efficiency 80 %
 Peak intensity 3.500 cd/lm
 Required components:



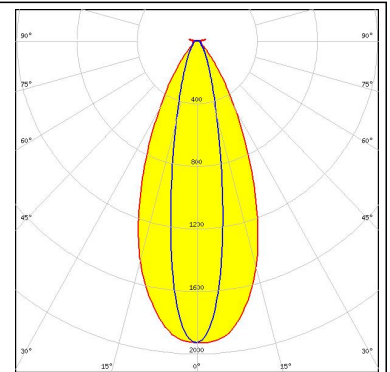
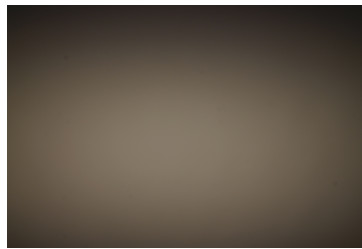
LED XP-G2
 FWHM 47.0 + 14.0°
 Efficiency 80 %
 Peak intensity 2.940 cd/lm
 Required components:



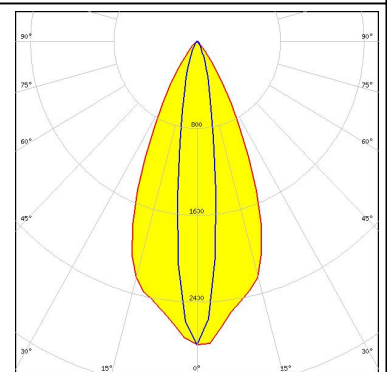
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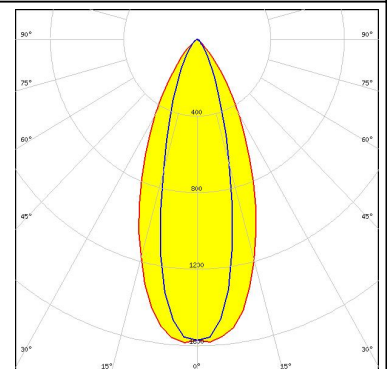
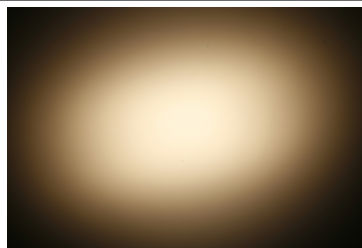
LED XP-L2
 FWHM 45.0 + 20.0°
 Efficiency 86 %
 Peak intensity 1.900 cd/lm
 Required components:



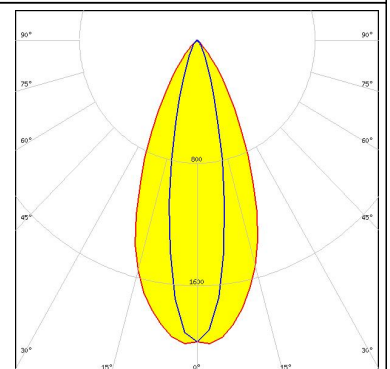
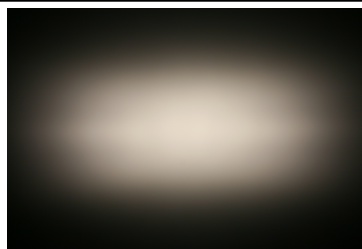
LED XT-E
 FWHM 47.0 + 16.0°
 Efficiency 79 %
 Peak intensity 2.800 cd/lm
 Required components:



LED LUXEON M/MX
 FWHM 45.0 + 28.0°
 Efficiency 76 %
 Peak intensity 1.600 cd/lm
 Required components:



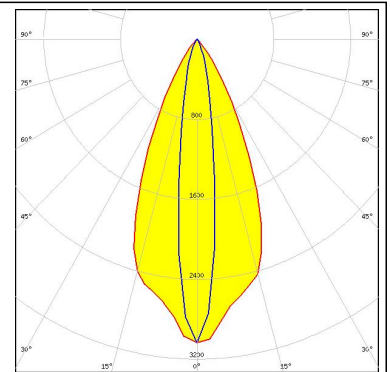
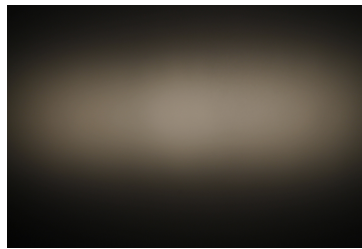
LED LUXEON MZ
 FWHM 47.0 + 23.0°
 Efficiency 73 %
 Peak intensity 2.000 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

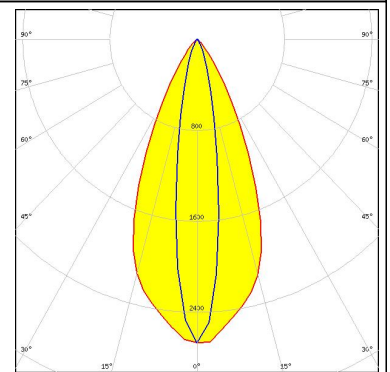
LUMILEDS

LED LUXEON Rebel
 FWHM 47.0 + 15.0°
 Efficiency 80 %
 Peak intensity 3.000 cd/lm
 Required components:



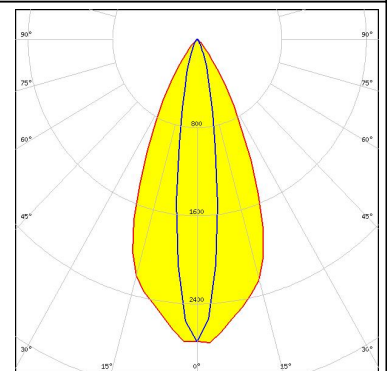
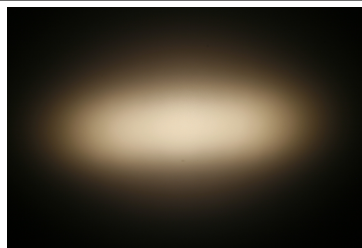
LUMILEDS

LED LUXEON Rebel ES
 FWHM 47.0 + 17.0°
 Efficiency 80 %
 Peak intensity 2.700 cd/lm
 Required components:



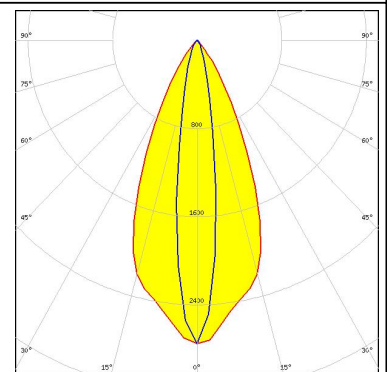
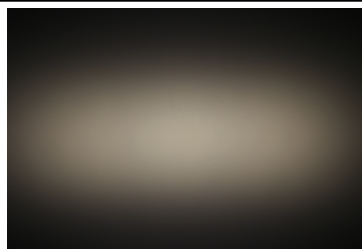
LUMILEDS

LED LUXEON T
 FWHM 47.0 + 17.0°
 Efficiency 80 %
 Peak intensity 2.800 cd/lm
 Required components:



LUMILEDS

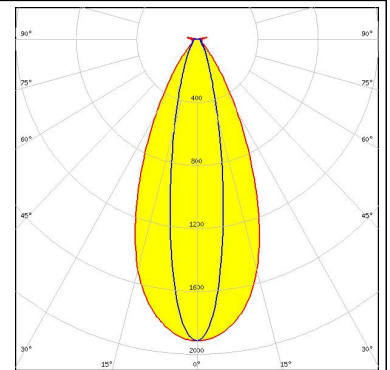
LED LUXEON TX
 FWHM 46.0 + 16.0°
 Efficiency 77 %
 Peak intensity 2.800 cd/lm
 Required components:



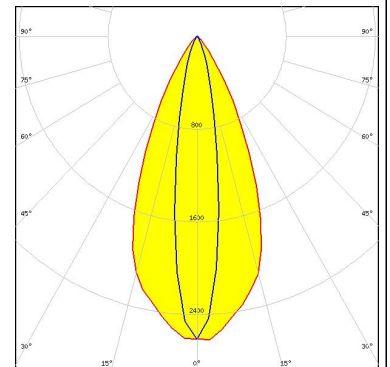
PHOTOMETRIC DATA (MEASURED):



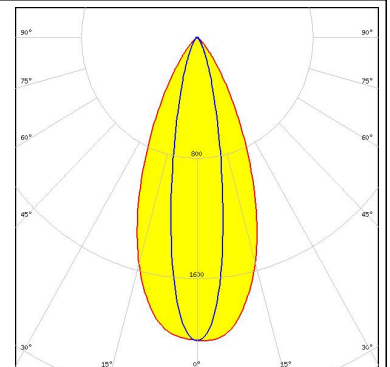
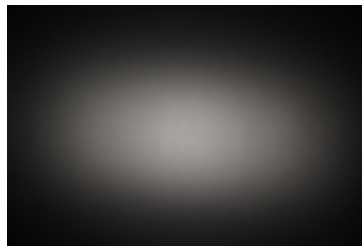
LED LUXEON V
 FWHM 46.0 + 21.0°
 Efficiency 88 %
 Peak intensity 1.900 cd/lm
 Required components:



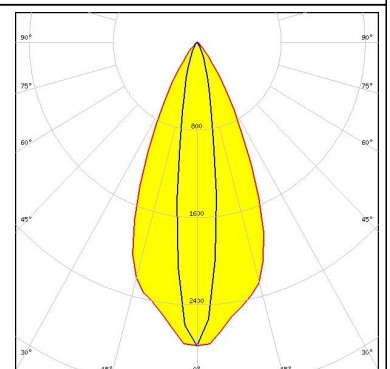
LED NVSxx19B/NVSxx19C
 FWHM 47.0 + 18.0°
 Efficiency 80 %
 Peak intensity 2.600 cd/lm
 Required components:



LED NWSx229A
 FWHM 20.0 + 45.0°
 Efficiency 74 %
 Peak intensity 2.000 cd/lm
 Required components:



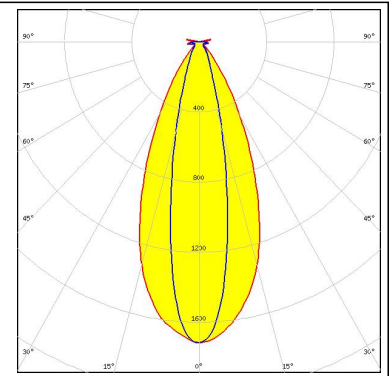
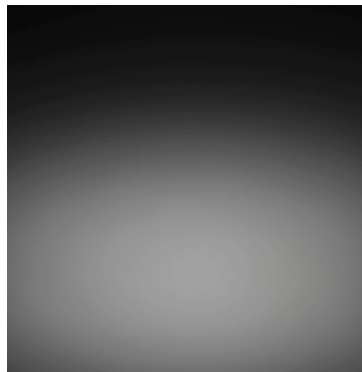
LED Oslon Square EC
 FWHM 47.0 + 17.0°
 Efficiency 79 %
 Peak intensity 2.800 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

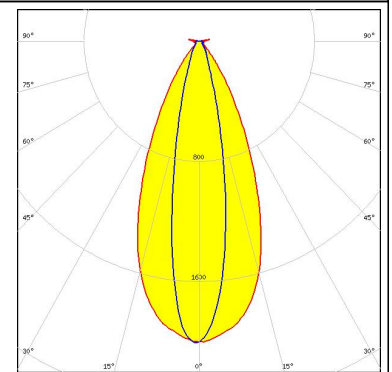
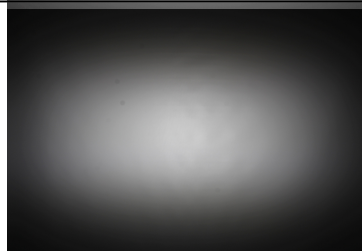
SAMSUNG

LED LH181A
 FWHM 46.0 + 22.0°
 Efficiency 85 %
 Peak intensity 1.700 cd/lm
 Required components:



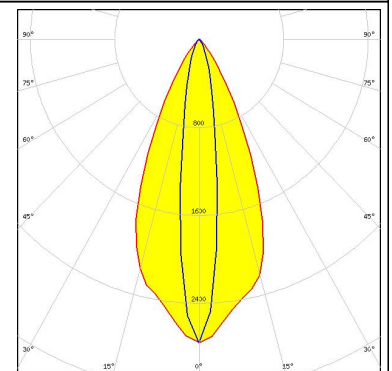
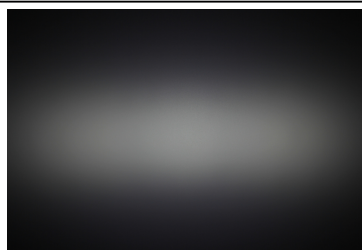
SAMSUNG

LED LH181B
 FWHM 46.0 + 21.0°
 Efficiency 88 %
 Peak intensity 2.000 cd/lm
 Required components:



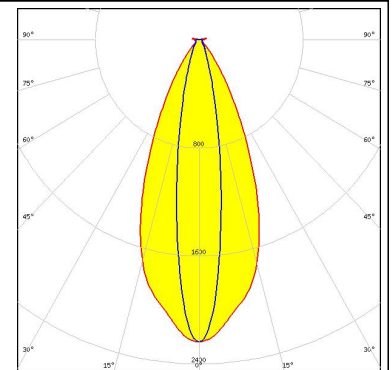
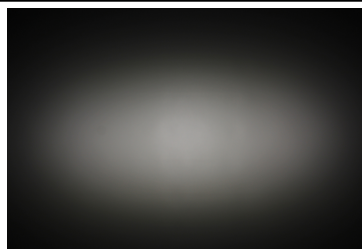
SAMSUNG

LED LH351Z
 FWHM 47.0 + 15.0°
 Efficiency 78 %
 Peak intensity 2.800 cd/lm
 Required components:



SEOUL SEMICONDUCTOR

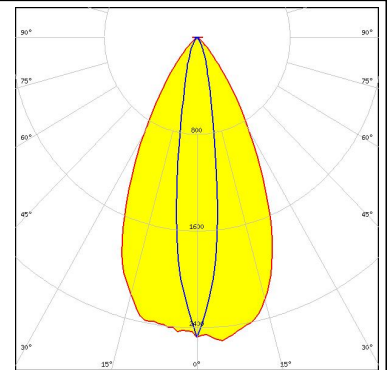
LED Z8Y22P
 FWHM 45.0 + 18.0°
 Efficiency 86 %
 Peak intensity 2.200 cd/lm
 Required components:



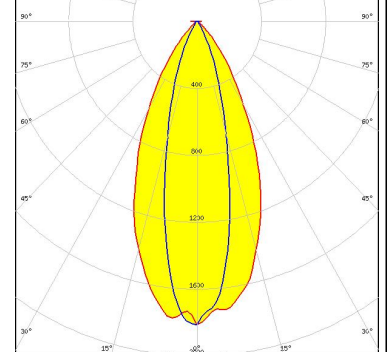
PHOTOMETRIC DATA (SIMULATED):



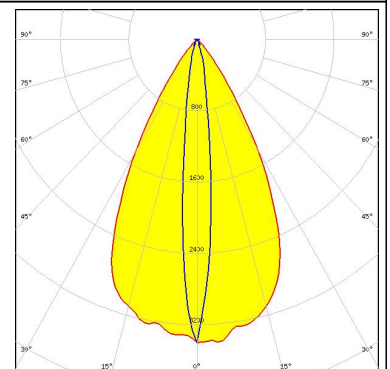
LED XP-L HD
 FWHM 53.0 + 16.0°
 Efficiency 86 %
 Peak intensity 2.500 cd/lm
 Required components:



LED OSCONIQ P 7070
 FWHM 49.0 + 25.0°
 Efficiency 84 %
 Peak intensity 1.800 cd/lm
 Required components:



LED Oslon Square Gen3
 FWHM 56.0 + 12.0°
 Efficiency 88 %
 Peak intensity 3.500 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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Hong Kong, China

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