

OLGA-S

~11° spot beam beam. Assembly with holder and installation tape.

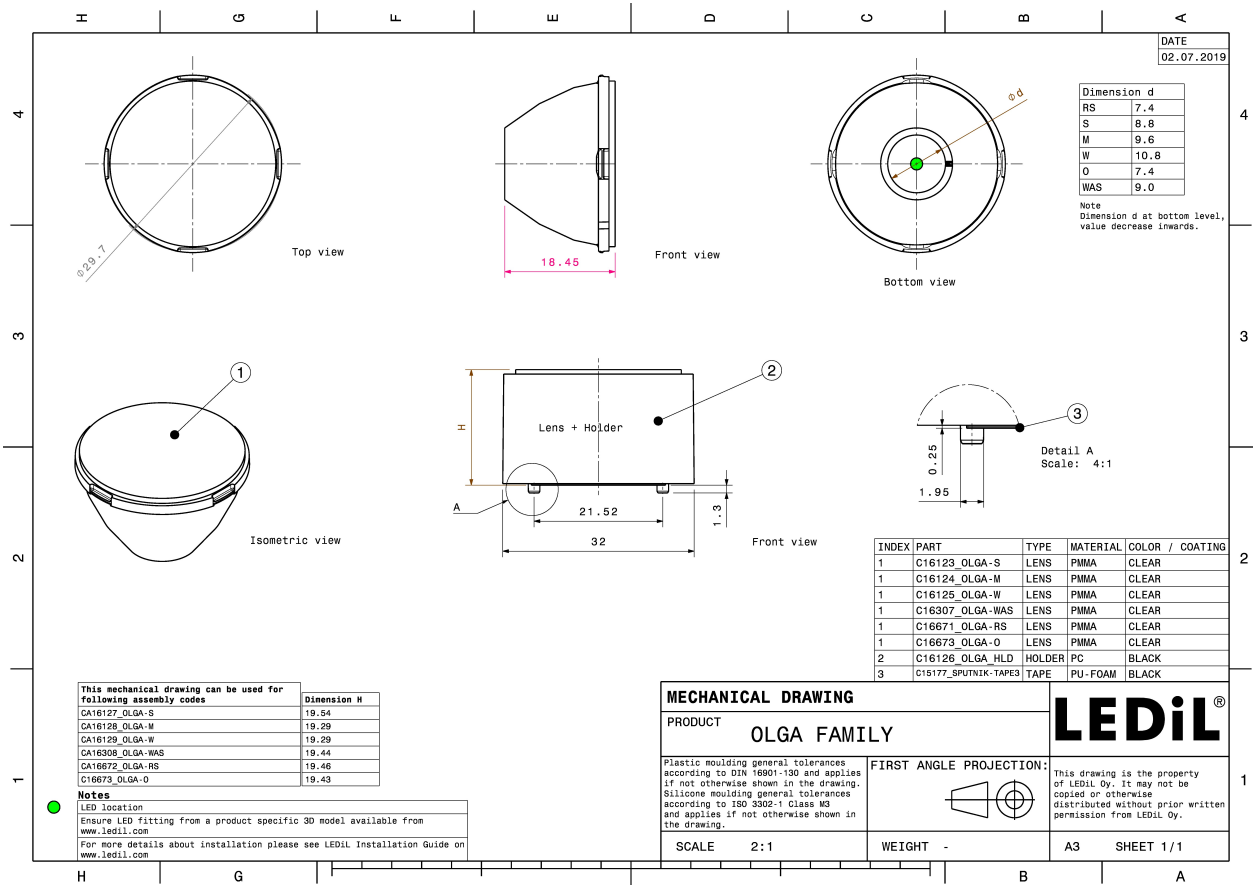
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
Colour	black
Box size	476 x 273 x 292 mm
Box weight	9.8 kg
Quantity in Box	792 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

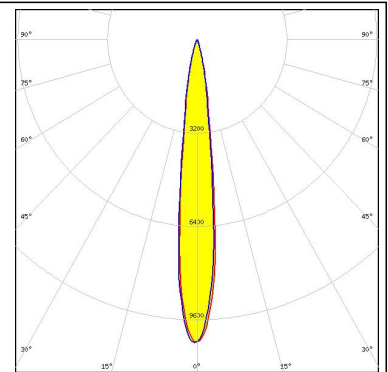
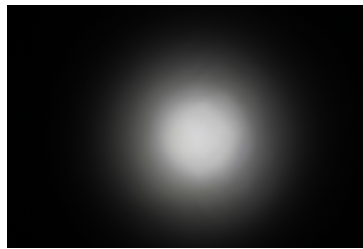
Component	Type	Material	Colour
OLGA-S	Single lens	PMMA	clear
OLGA-HLD	Holder	PC	black
SPUTNIK-TAPE3	Tape	PU tape	black



PHOTOMETRIC DATA (MEASURED):

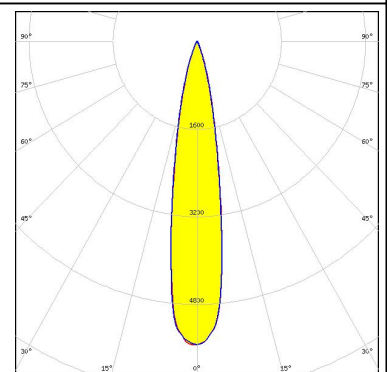
CREE 

LED XD16
FWHM 13.0°
Efficiency 82 %
Peak intensity 10.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



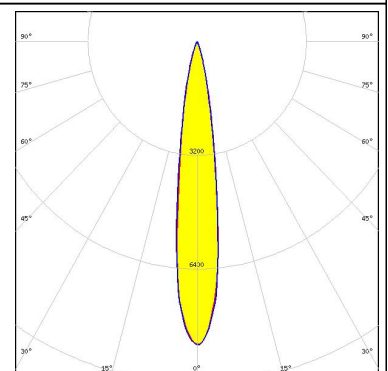
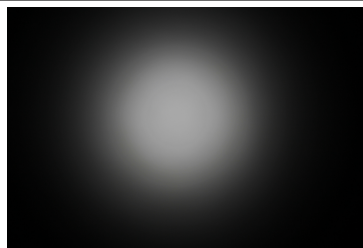
CREE 

LED XHP35 HD
FWHM 19.0°
Efficiency 83 %
Peak intensity 5.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



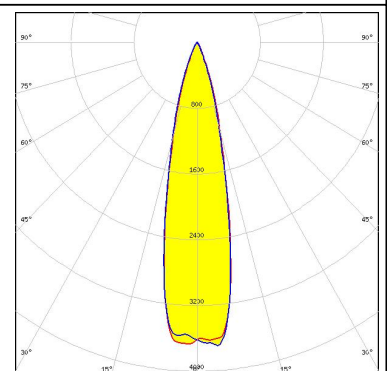
CREE 

LED XHP35 HI
FWHM 15.0°
Efficiency 87 %
Peak intensity 8.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

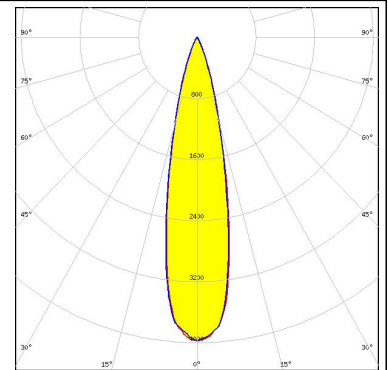
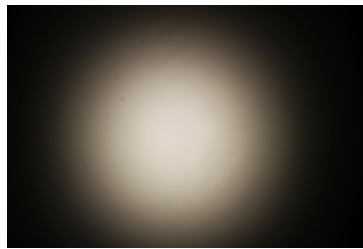
LED XHP50
FWHM 24.0°
Efficiency 83 %
Peak intensity 3.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

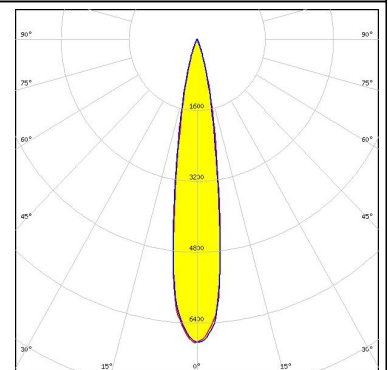
CREE

LED XHP50.2
FWHM 23.0°
Efficiency 82 %
Peak intensity 4.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



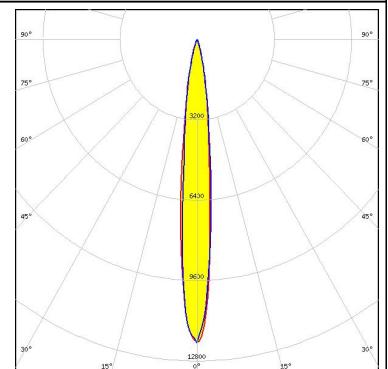
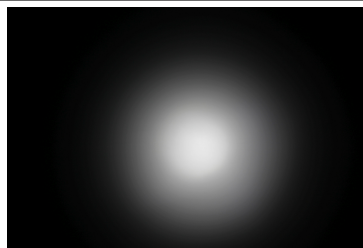
CREE

LED XM-L
FWHM 17.0°
Efficiency 86 %
Peak intensity 6.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



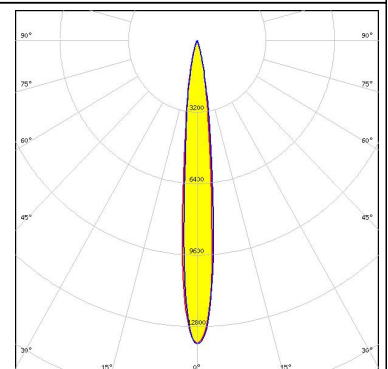
CREE

LED XP-E
FWHM 11.0°
Efficiency 87 %
Peak intensity 12.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

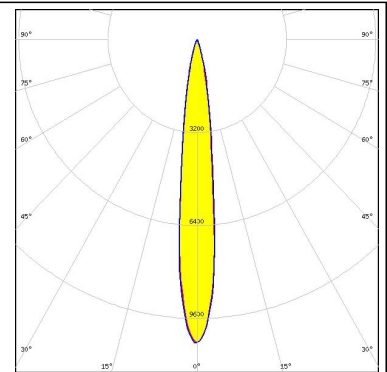
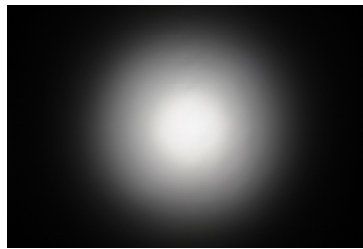
LED XP-E2
FWHM 11.0°
Efficiency 89 %
Peak intensity 13.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



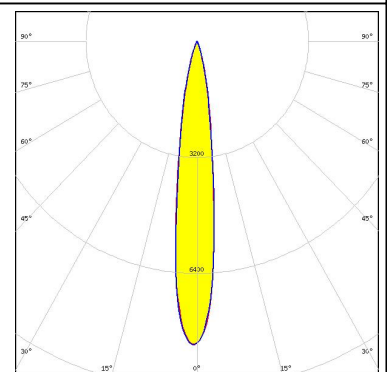
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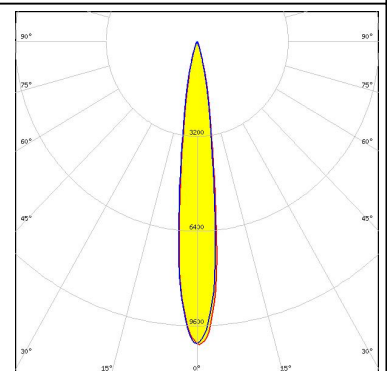
LED XP-G2
 FWHM 13.0°
 Efficiency 87 %
 Peak intensity 10.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



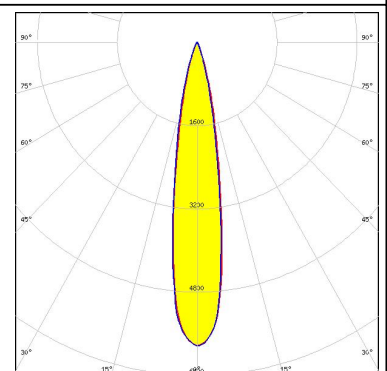
LED XP-G3
 FWHM 14.0°
 Efficiency 86 %
 Peak intensity 8.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-L HI
 FWHM 14.0°
 Efficiency 88 %
 Peak intensity 10.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



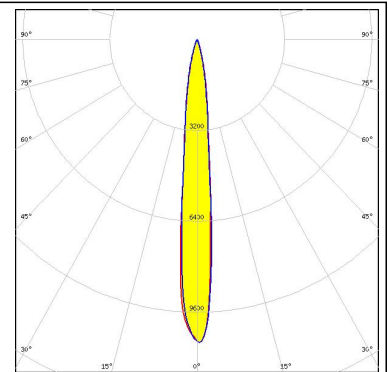
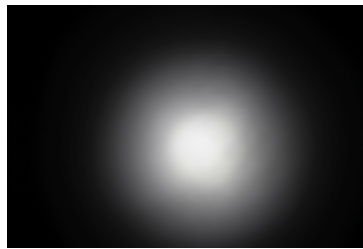
LED XP-L2
 FWHM 18.0°
 Efficiency 82 %
 Peak intensity 5.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



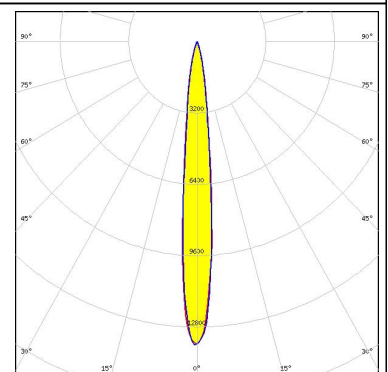
PHOTOMETRIC DATA (MEASURED):



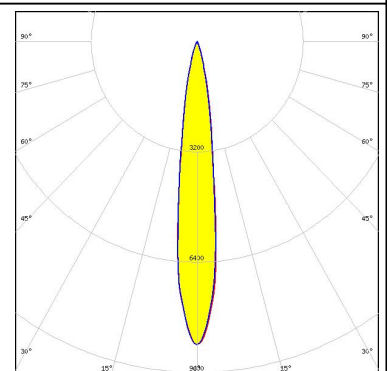
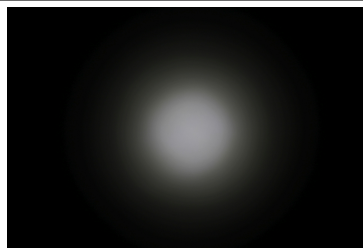
LED XQ-E HD
FWHM 11.0°
Efficiency 81 %
Peak intensity 11.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



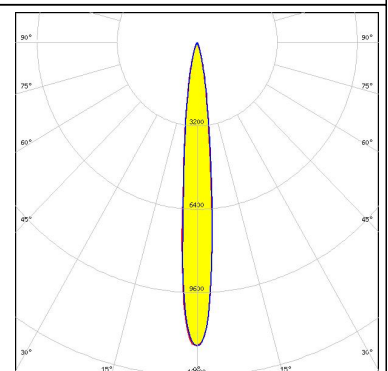
LED XQ-E HI
FWHM 11.0°
Efficiency 86 %
Peak intensity 13.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XT-E
FWHM 14.0°
Efficiency 84 %
Peak intensity 8.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



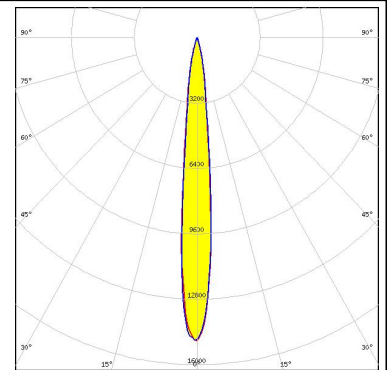
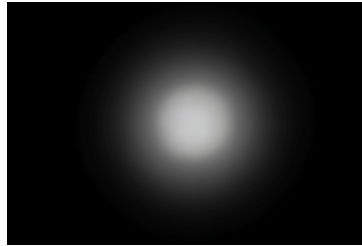
LED LUXEON C
FWHM 11.0°
Efficiency 84 %
Peak intensity 11.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

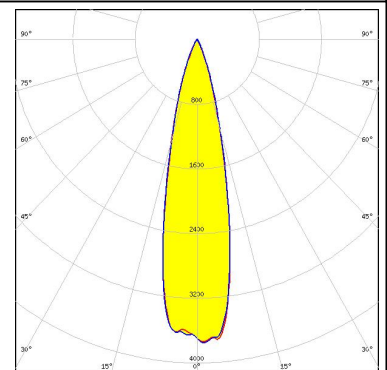
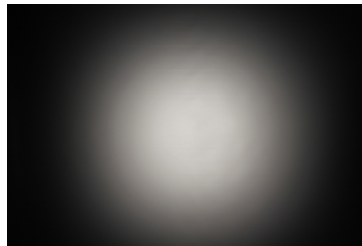
LUMILEDS

LED LUXEON CZ
 FWHM 11.0°
 Efficiency 89 %
 Peak intensity 14.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



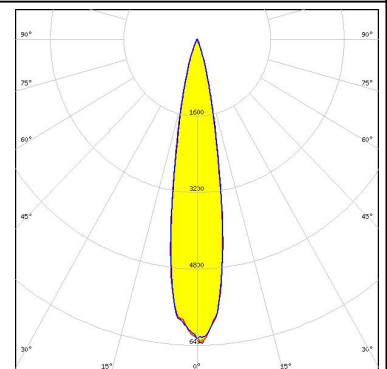
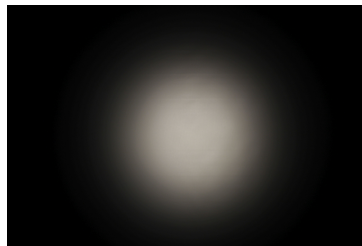
LUMILEDS

LED LUXEON M/MX
 FWHM 24.0°
 Efficiency 84 %
 Peak intensity 3.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



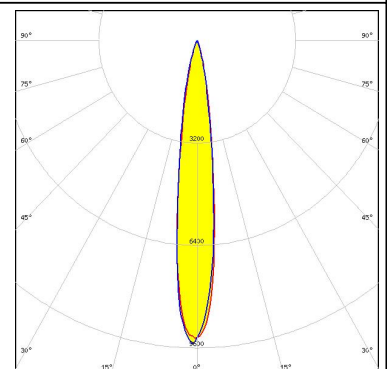
LUMILEDS

LED LUXEON MZ
 FWHM 19.0°
 Efficiency 86 %
 Peak intensity 6.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

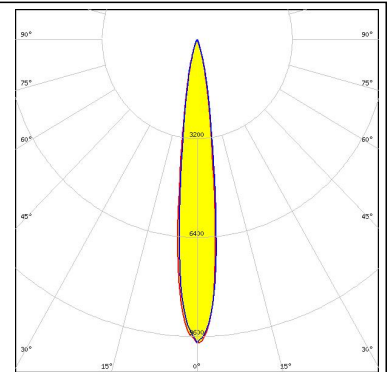
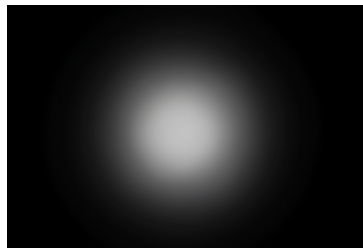
LED LUXEON Rebel ES
 FWHM 14.0°
 Efficiency 86 %
 Peak intensity 9.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

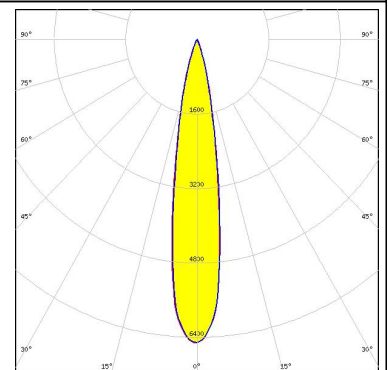
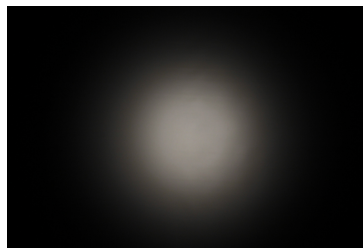
LUMILEDS

LED LUXEON TX
 FWHM 14.0°
 Efficiency 86 %
 Peak intensity 9.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



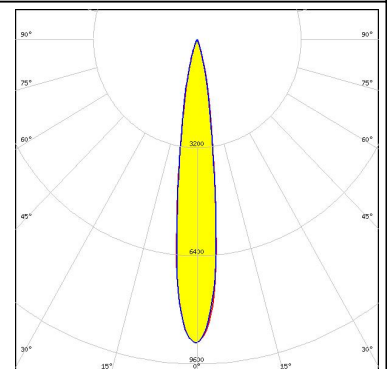
LUMILEDS

LED LUXEON V
 FWHM 18.0°
 Efficiency 84 %
 Peak intensity 6.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



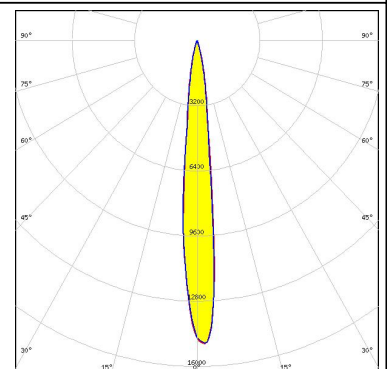
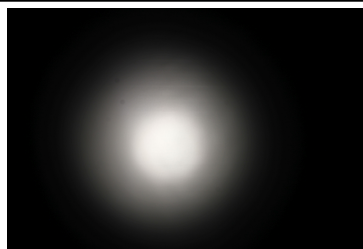
LUMILEDS

LED LUXEON V2
 FWHM 15.0°
 Efficiency 86 %
 Peak intensity 9.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

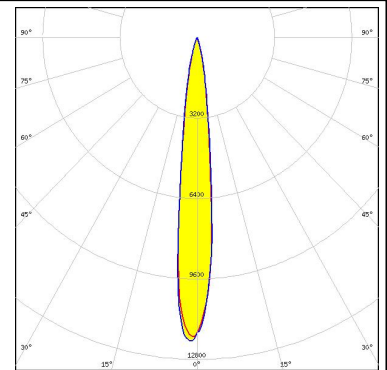
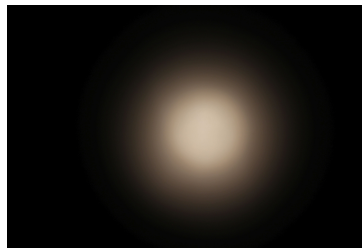
LED LUXEON Z
 FWHM 11.0°
 Efficiency 88 %
 Peak intensity 15.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



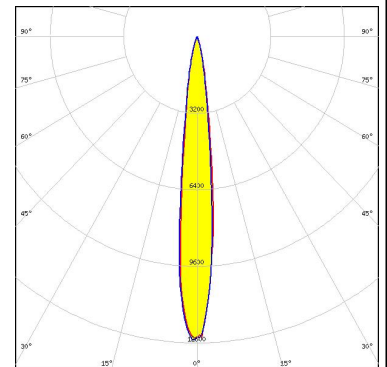
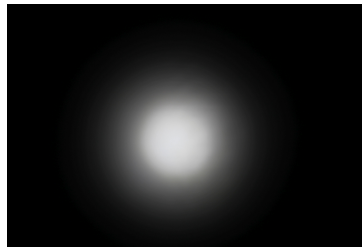
PHOTOMETRIC DATA (MEASURED):



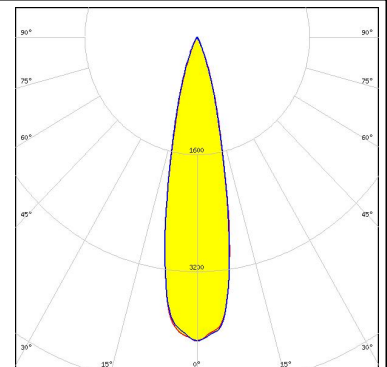
LED LUXEON Z ES
 FWHM 12.0°
 Efficiency 89 %
 Peak intensity 12.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



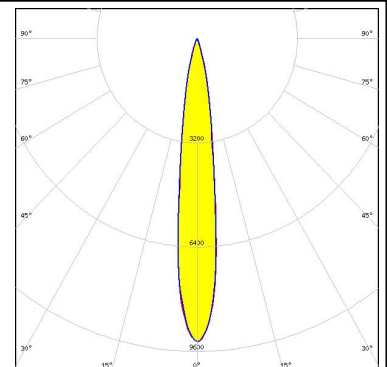
LED NCSxE17A
 FWHM 12.0°
 Efficiency 87 %
 Peak intensity 12.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NV4x144A
 FWHM 23.0°
 Efficiency 84 %
 Peak intensity 4.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



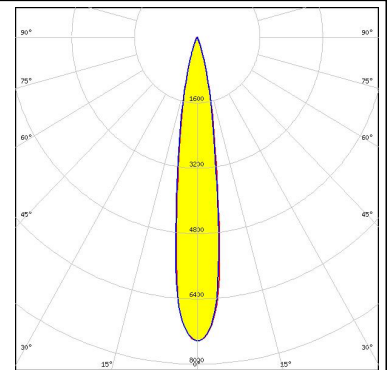
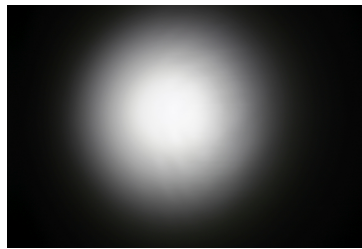
LED NVSW219D
 FWHM 14.0°
 Efficiency 85 %
 Peak intensity 9.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



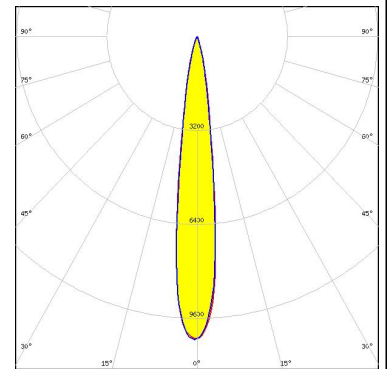
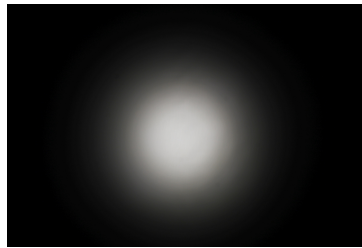
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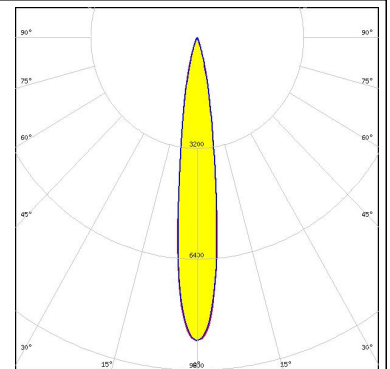
LED NVSW319B
 FWHM 16.0°
 Efficiency 86 %
 Peak intensity 7.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



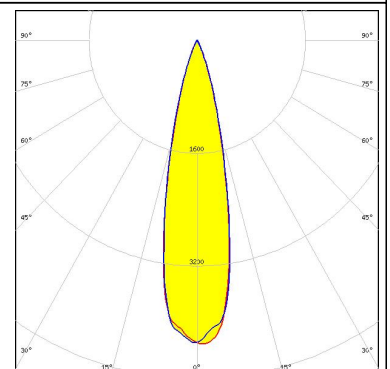
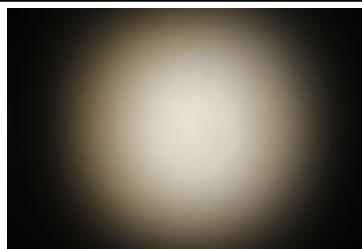
LED NVSxE21A
 FWHM 14.0°
 Efficiency 87 %
 Peak intensity 10.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 8.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



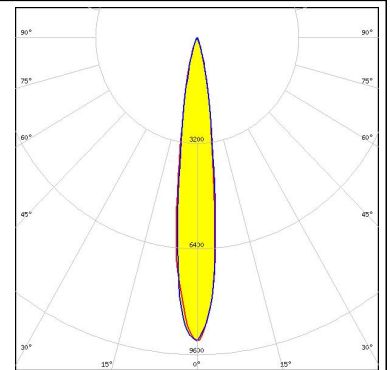
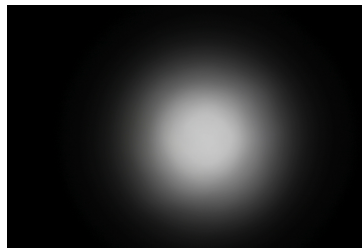
LED Duris S8
 FWHM 24.0°
 Efficiency 86 %
 Peak intensity 4.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

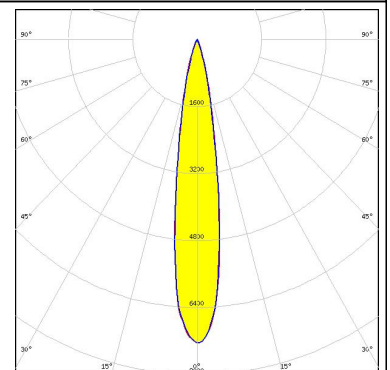
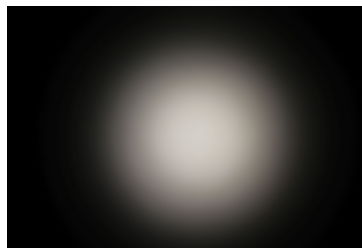
OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM 14.0°
Efficiency 87 %
Peak intensity 9.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



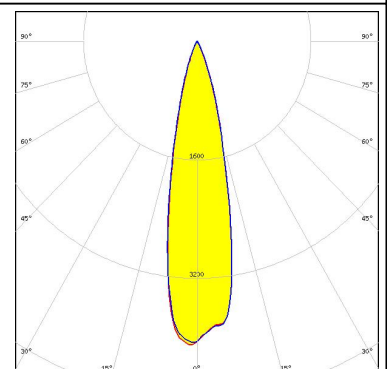
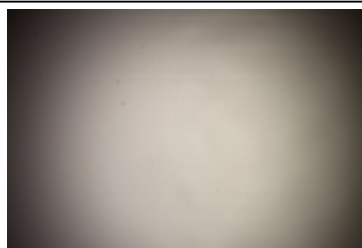
OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM 17.0°
Efficiency 86 %
Peak intensity 7.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



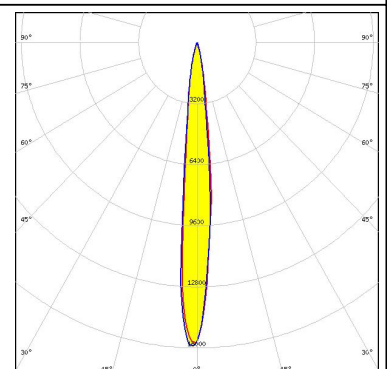
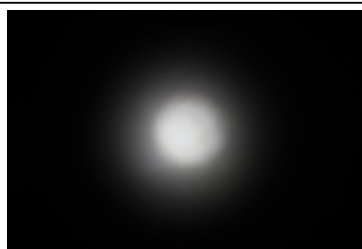
OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 23.0°
Efficiency 84 %
Peak intensity 4.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM
Opto Semiconductors

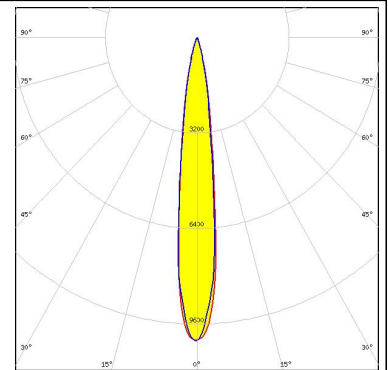
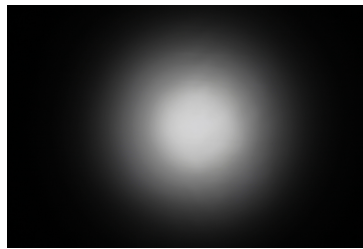
LED OSLOM Black Flat
FWHM 11.0°
Efficiency 88 %
Peak intensity 16.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

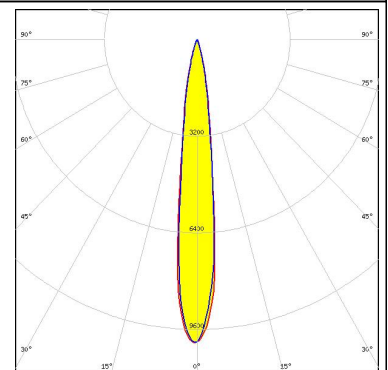
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM 14.0°
 Efficiency 87 %
 Peak intensity 10.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



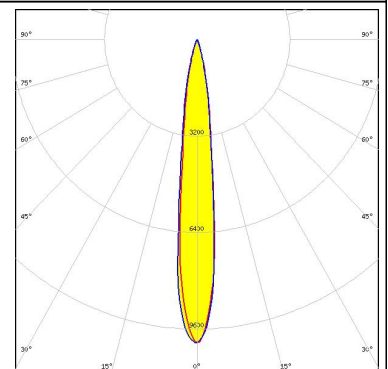
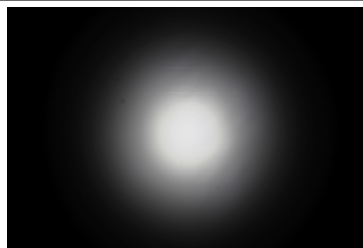
OSRAM Opto Semiconductors

LED OSLON Square EC
 FWHM 13.0°
 Efficiency 85 %
 Peak intensity 10.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



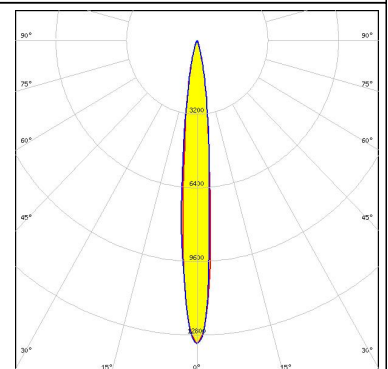
OSRAM Opto Semiconductors

LED OSLON Square PC
 FWHM 13.0°
 Efficiency 85 %
 Peak intensity 10.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

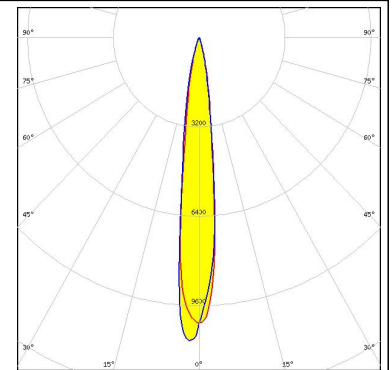
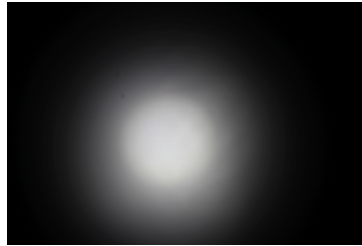
LED OSLON SSL 150
 FWHM 11.0°
 Efficiency 87 %
 Peak intensity 13.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

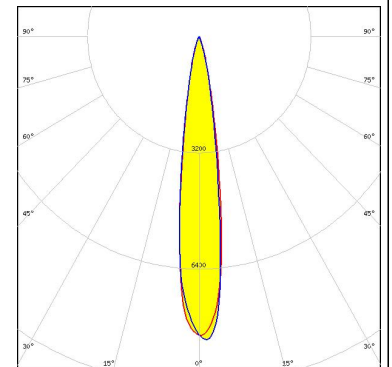
OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM 13.0°
Efficiency 86 %
Peak intensity 11.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



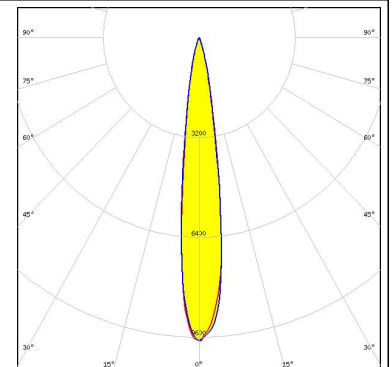
SAMSUNG

LED LH181A
FWHM 15.0°
Efficiency 81 %
Peak intensity 8.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



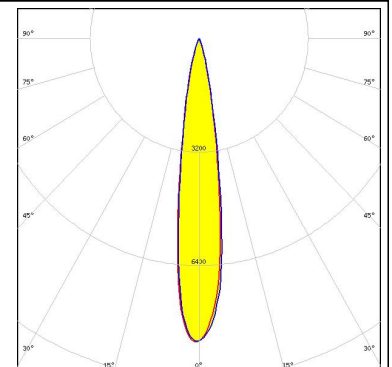
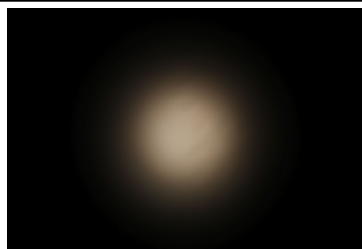
SAMSUNG

LED LH181B
FWHM 15.0°
Efficiency 87 %
Peak intensity 9.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

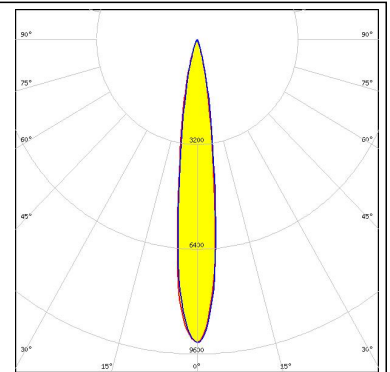
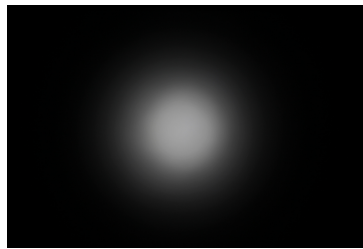
LED LH231B
FWHM 16.0°
Efficiency 88 %
Peak intensity 8.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

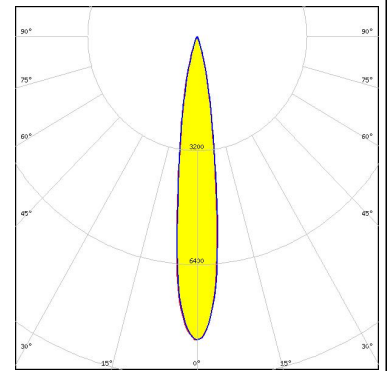
SAMSUNG

LED LH351B
FWHM 14.0°
Efficiency 87 %
Peak intensity 9.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



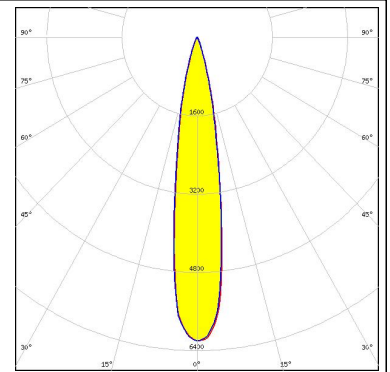
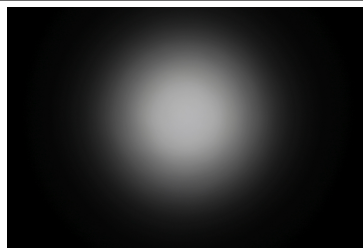
SAMSUNG

LED LH351C
FWHM 15.0°
Efficiency 86 %
Peak intensity 8.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



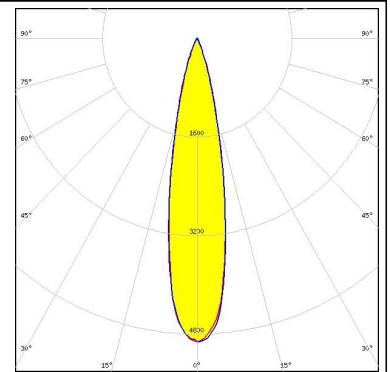
SAMSUNG

LED LH351D
FWHM 18.0°
Efficiency 85 %
Peak intensity 6.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

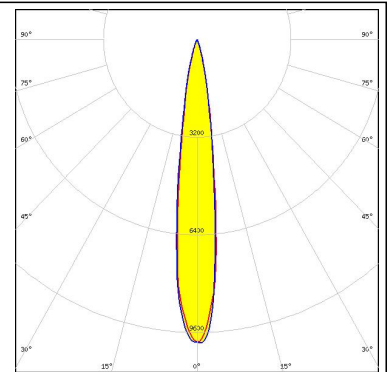
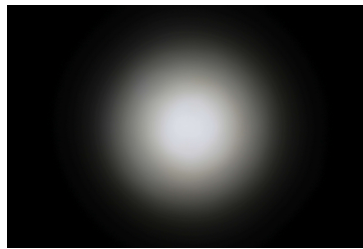
LED LH508A
FWHM 21.0°
Efficiency 86 %
Peak intensity 4.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

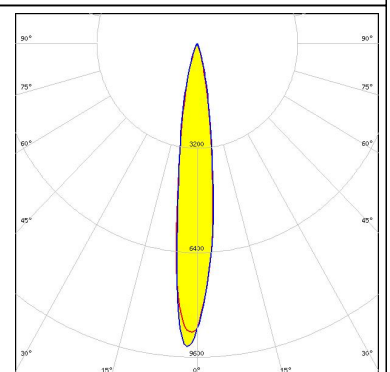
SAMSUNG

LED LM302A
 FWHM 14.0°
 Efficiency 89 %
 Peak intensity 9.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



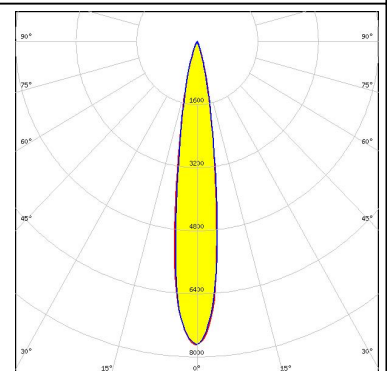
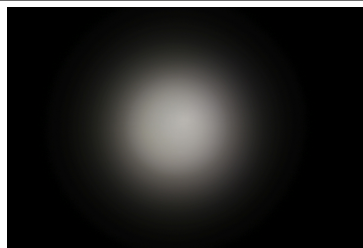
SAMSUNG

LED LM561B
 FWHM 14.0°
 Efficiency 88 %
 Peak intensity 9.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

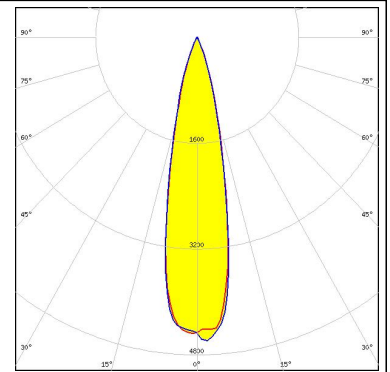
LED Z5M3
 FWHM 16.0°
 Efficiency 84 %
 Peak intensity 7.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



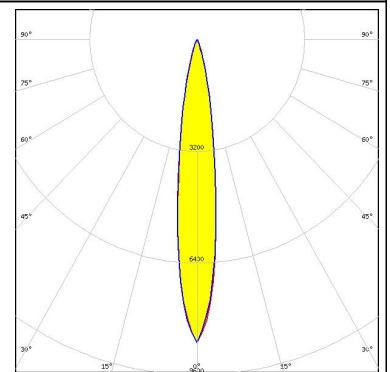
PHOTOMETRIC DATA (SIMULATED):



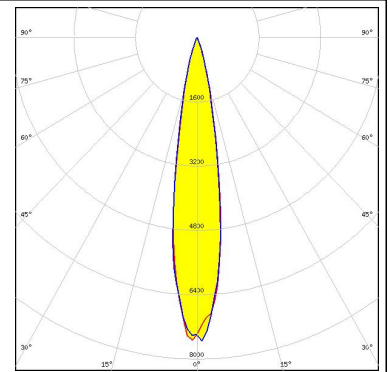
LED XHP50
 FWHM 23.0°
 Efficiency 86 %
 Peak intensity 4.639 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



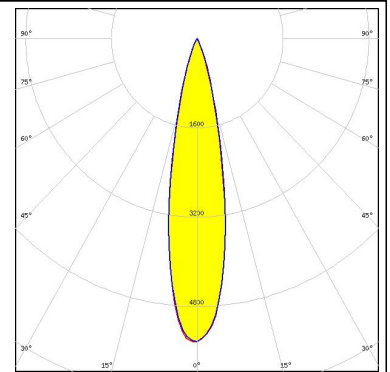
LED XP-G2 HE
 FWHM 15.0°
 Efficiency 88 %
 Peak intensity 8.685 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON MZ
 FWHM 18.0°
 Efficiency 90 %
 Peak intensity 7.594 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NFMW48xA
 FWHM 21.0°
 Efficiency 89 %
 Peak intensity 5.460 cd/lm
 LEDs/each optic 1
 Light colour White
 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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