

HB-IP-2X6-W

~60° wide beam



TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

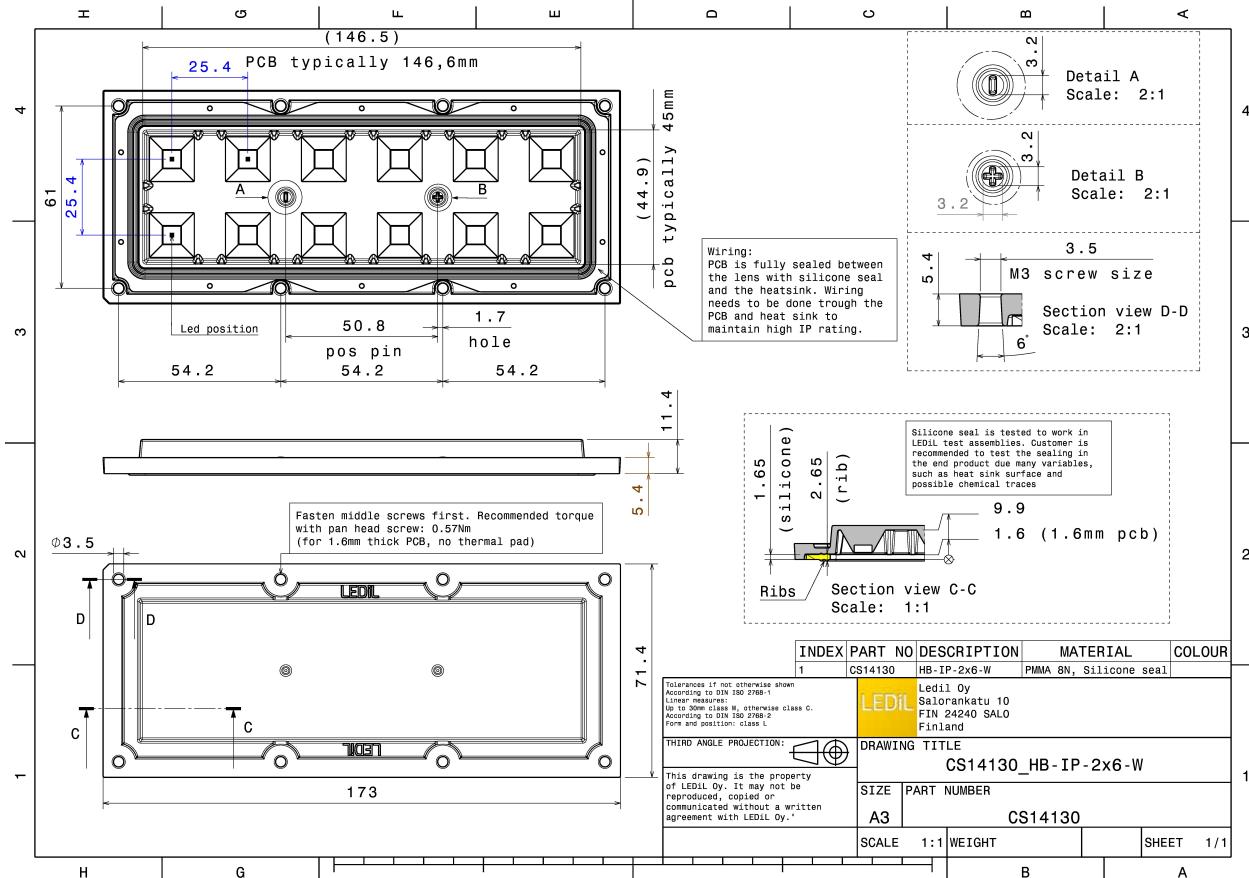
LEDiL®

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HB-IP-2X6-W	Multi-lens	PMMA		
2X6-SEAL25	Seal	Silicone		

ORDERING INFORMATION:

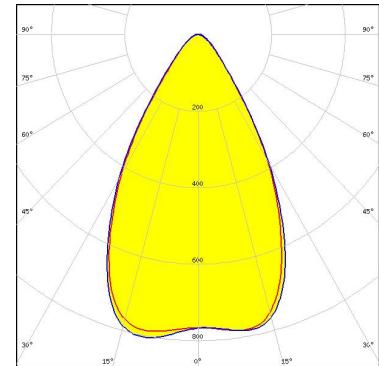
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS14130_HB-IP-2X6-W » Box size: 476 x 273 x 247 mm	120	40	40	8.4



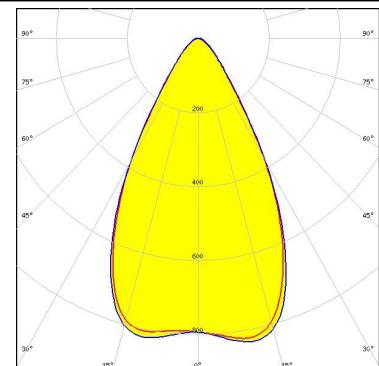
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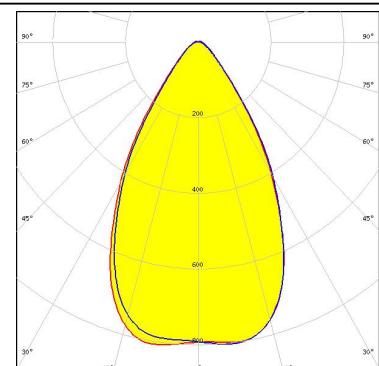
LED QUICK FLUX 2x6 LED XG xxx G7+
 FWHM 60.0°
 Efficiency 94 %
 Peak intensity 0.830 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



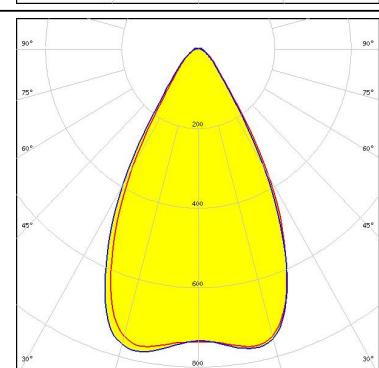
LED QUICK FLUX 2x6 LED XT xxx G5
 FWHM 58.0°
 Efficiency 94 %
 Peak intensity 0.880 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L2
 FWHM 61.0°
 Efficiency 94 %
 Peak intensity 0.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



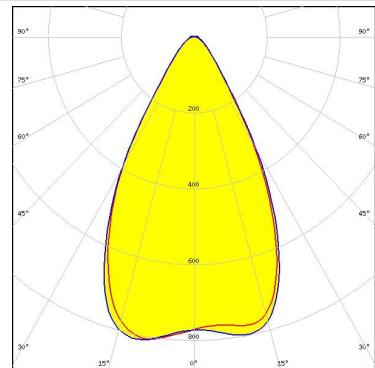
LED XP-G
 FWHM 60.0°
 Efficiency 94 %
 Peak intensity 0.840 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

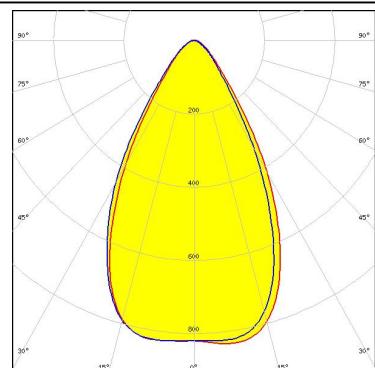
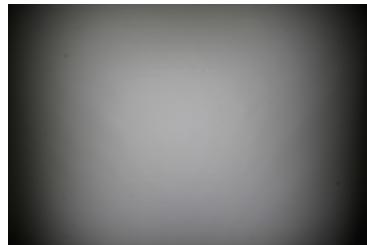
CREE 

LED XP-G2
FWHM 58.0°
Efficiency 93 %
Peak intensity 0.870 cd/lm
LEDs/each optic 1
Light colour White
Required components:



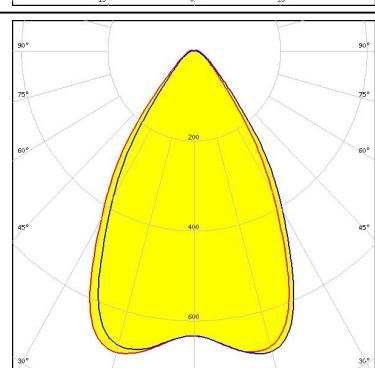
CREE 

LED XP-G3
FWHM 59.0°
Efficiency 94 %
Peak intensity 0.840 cd/lm
LEDs/each optic 1
Light colour White
Required components:



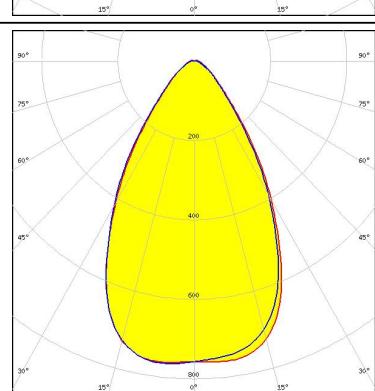
CREE 

LED XP-L HD
FWHM 67.0°
Efficiency 94 %
Peak intensity 0.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

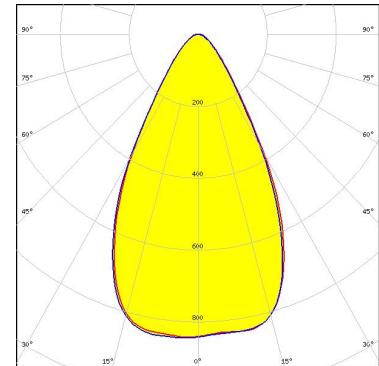
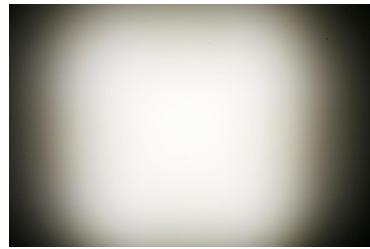
LED XP-L2
FWHM 62.0°
Efficiency 94 %
Peak intensity 0.770 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

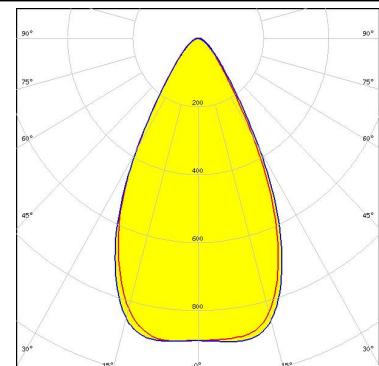
CREE

LED XT-E
FWHM 58.0°
Efficiency 94 %
Peak intensity 0.870 cd/lm
LEDs/each optic 1
Light colour White
Required components:



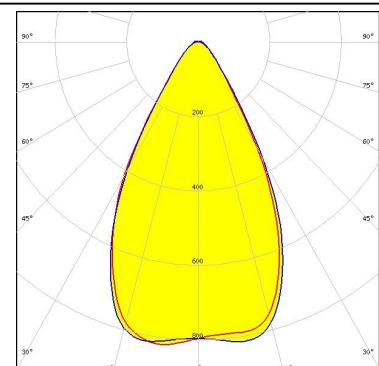
CREE

LED XT-E HE
FWHM 56.0°
Efficiency 94 %
Peak intensity 0.910 cd/lm
LEDs/each optic 1
Light colour White
Required components:



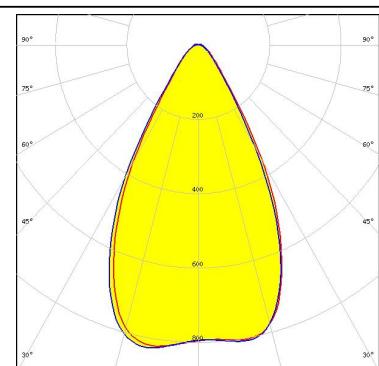
LUMILEDS

LED LUXEON R
FWHM 58.0°
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

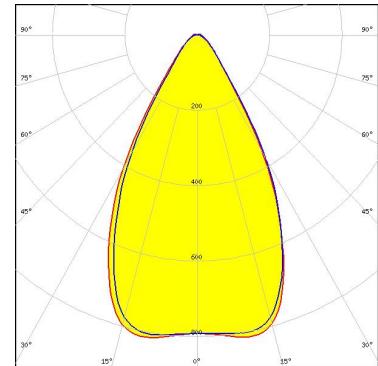
LED LUXEON Rebel ES
FWHM 57.0°
Efficiency 94 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

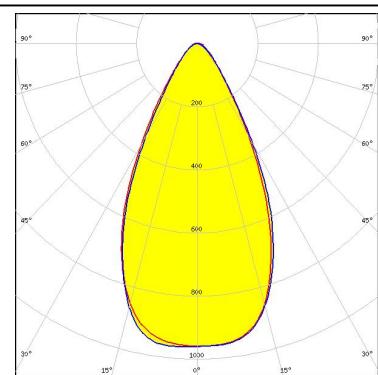
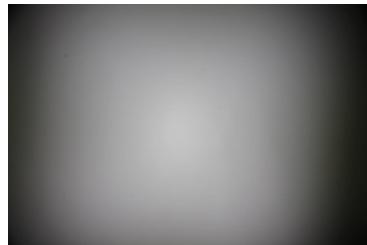
LUMILEDS

LED LUXEON T
FWHM 60.0°
Efficiency 94 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



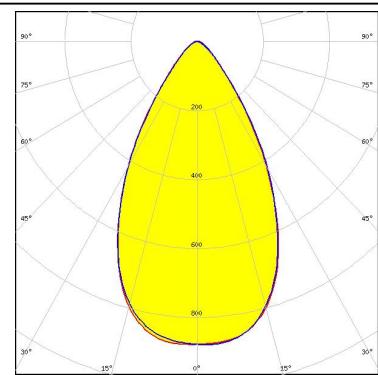
LUMILEDS

LED LUXEON TX
FWHM 54.0°
Efficiency 94 %
Peak intensity 0.960 cd/lm
LEDs/each optic 1
Light colour White
Required components:



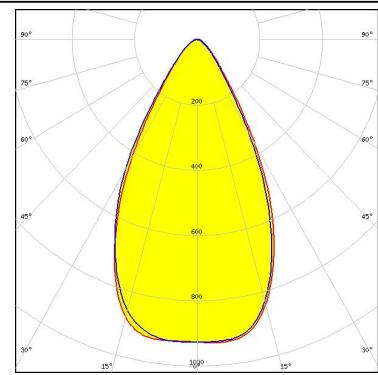
LUMILEDS

LED LUXEON V
FWHM 59.0°
Efficiency 93 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

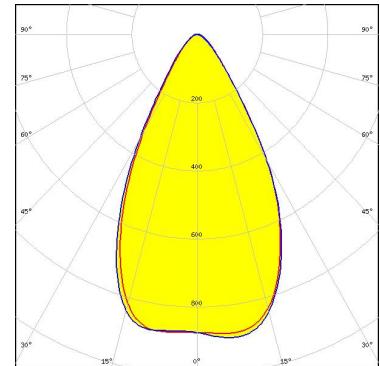
LED LUXEON V2
FWHM 56.0°
Efficiency 94 %
Peak intensity 0.930 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

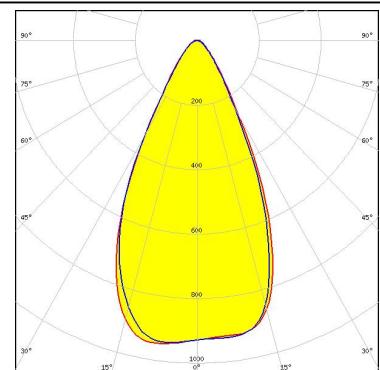
LUMILEDS

LED LUXEON XR-TX (L2T0-xxxy012M)
 FWHM 60.0°
 Efficiency 94 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



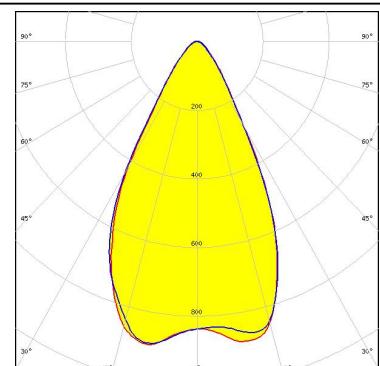
LUMILEDS

LED LUXEON Z ES
 FWHM 52.0°
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



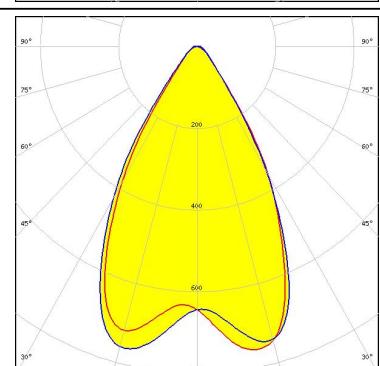
LUMINUS

LED SST-10-B130
 FWHM 56.0°
 Efficiency 96 %
 Peak intensity 0.986 cd/lm
 LEDs/each optic 1
 Light colour Deep Red
 Required components:



NICHIA

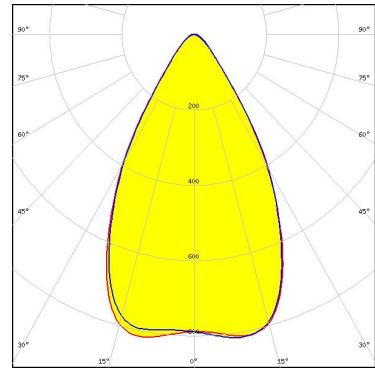
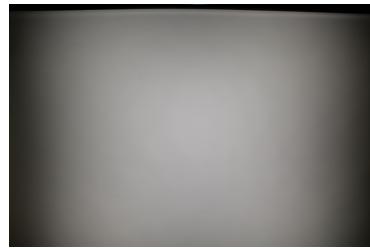
LED NVSW219D
 FWHM 64.0°
 Efficiency 94 %
 Peak intensity 0.880 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



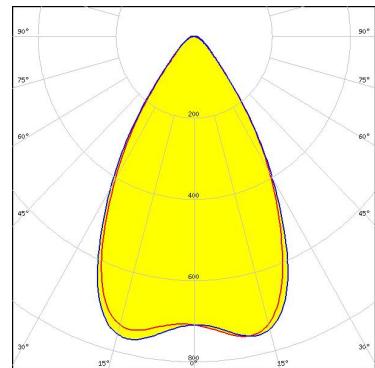
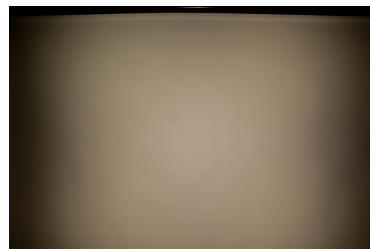
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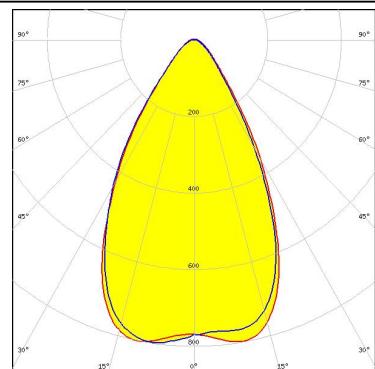
LED NVSW219F
 FWHM 60.0°
 Efficiency 94 %
 Peak intensity 0.860 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



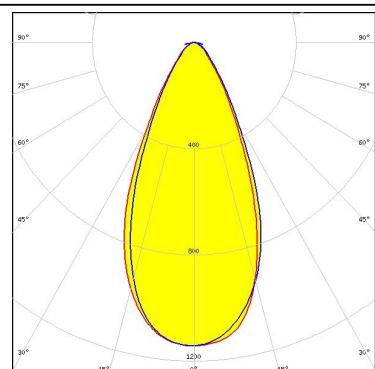
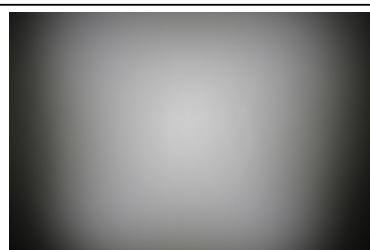
LED NVSW319B
 FWHM 64.0°
 Efficiency 94 %
 Peak intensity 0.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 60.0°
 Efficiency 94 %
 Peak intensity 0.830 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



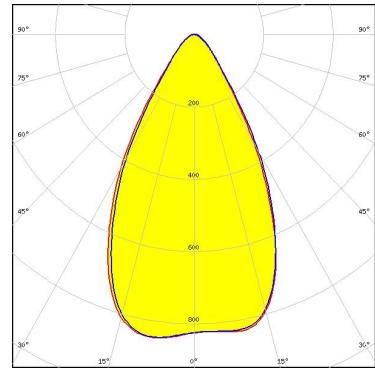
LED NVSxE21A
 FWHM 51.0°
 Efficiency 94 %
 Peak intensity 1.140 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



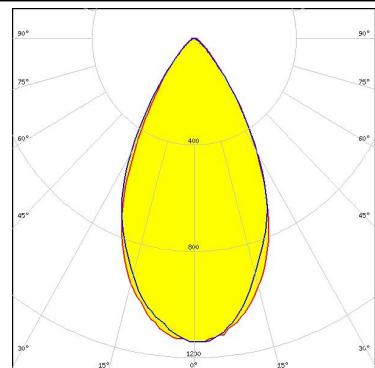
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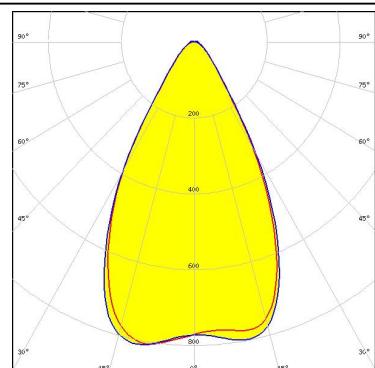
LED NVSxx19B/NVSxx19C
 FWHM 58.0°
 Efficiency 94 %
 Peak intensity 0.870 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



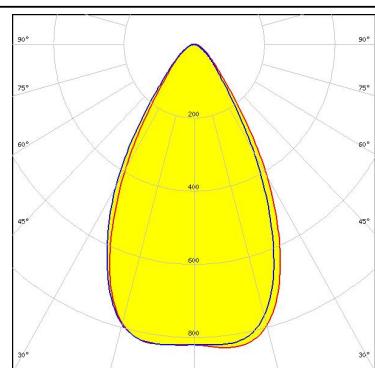
LED Duris S8
 FWHM 54.0°
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Fortimo FastFlex LED 2x6 DP G4
 FWHM 58.0°
 Efficiency 93 %
 Peak intensity 0.870 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



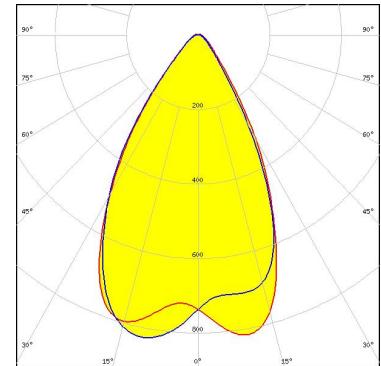
LED Fortimo FastFlex LED 2x6 DPX G4
 FWHM 59.0°
 Efficiency 94 %
 Peak intensity 0.840 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

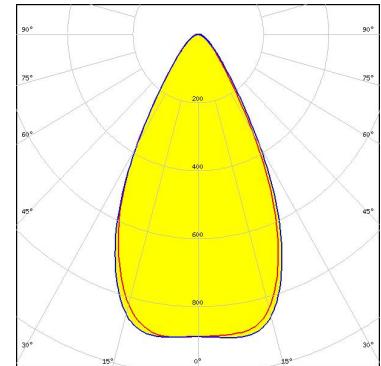
SAMSUNG

LED HiLOM RH12 (LH351C)
FWHM 61.0°
Efficiency 94 %
Peak intensity 0.890 cd/lm
LEDs/each optic 1
Light colour White
Required components:



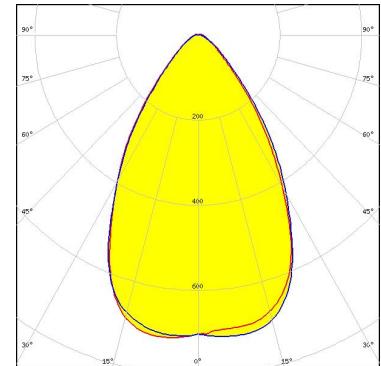
SCIO LUX

LED XLE-S22C4XTEHE (XT-E HE)
FWHM 56.0°
Efficiency 94 %
Peak intensity 0.910 cd/lm
LEDs/each optic 1
Light colour White
Required components:



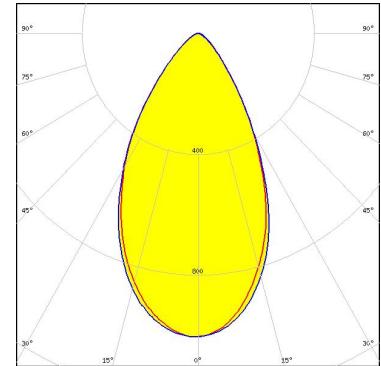
SCIO LUX

LED XLE-S26XHP35 (XHP35 HD)
FWHM 65.0°
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:

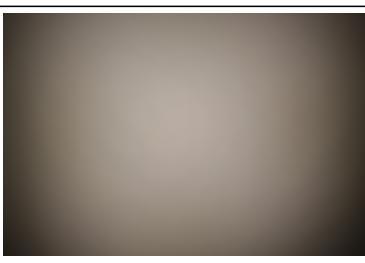
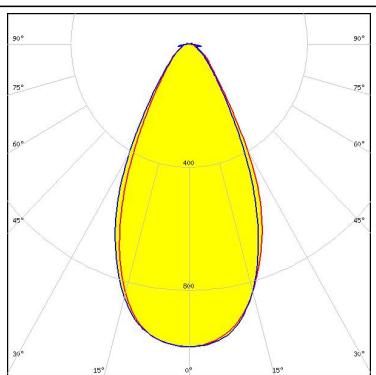
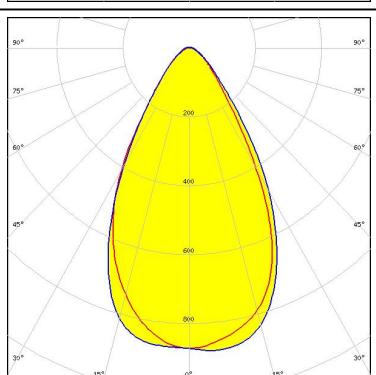
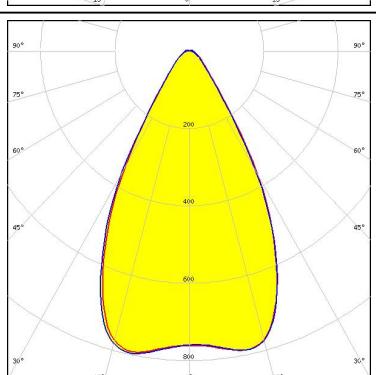
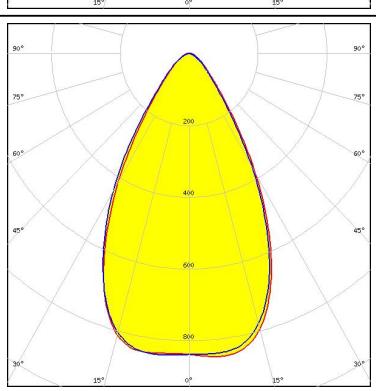


SEOUL SEMICONDUCTOR

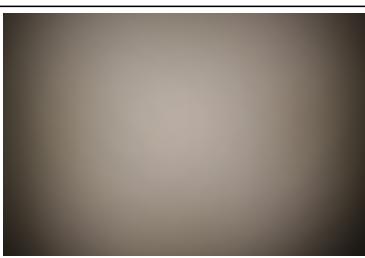
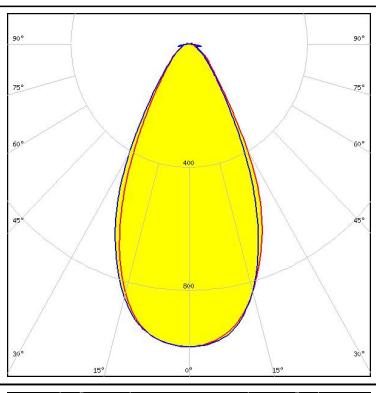
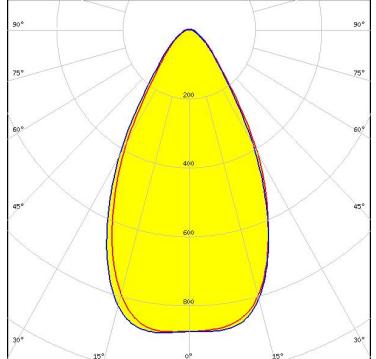
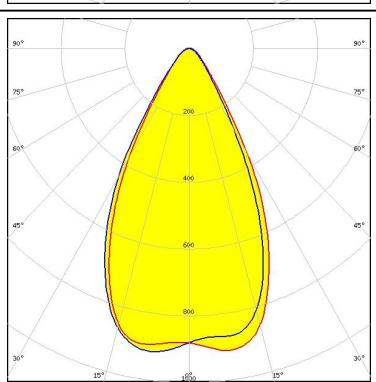
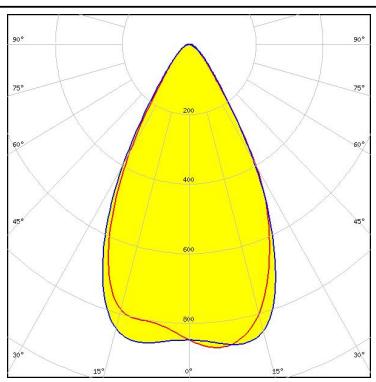
LED 2x6 5050 module - SMJD-3625012F-XX
FWHM 57.0°
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR	LED SMJQ-D36W12Mx FWHM 53.0° Efficiency 93 % Peak intensity 0.980 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED SMJQ-D36W12Px FWHM 58.0° Efficiency 94 % Peak intensity 0.880 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED Z5M1/Z5M2 FWHM 59.0° Efficiency 94 % Peak intensity 0.870 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED Z5M3 FWHM 59.0° Efficiency 94 % Peak intensity 0.855 cd/lm LEDs/each optic 1 Light colour White Required components:		

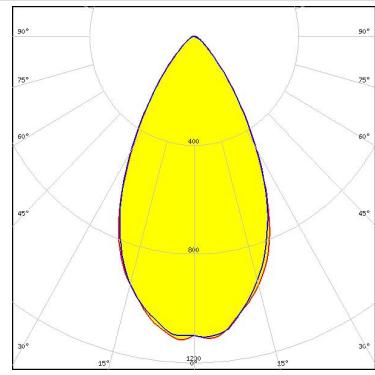
PHOTOMETRIC DATA (MEASURED):

 <p>SEoul SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 53.0° Efficiency 93 % Peak intensity 0.980 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
 <p>SEoul SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 57.0° Efficiency 94 % Peak intensity 0.880 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4 FWHM 56.0° Efficiency 94 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 2x6 3000lm HP EXC2 OTD FWHM 57.0° Efficiency 94 % Peak intensity 0.910 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

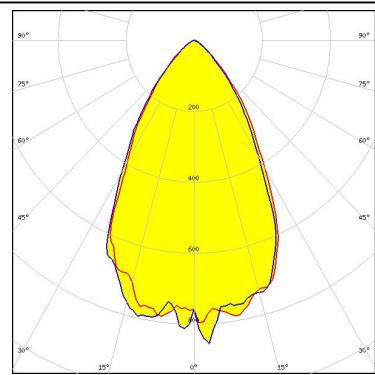
CREE 

LED J Series 5050
FWHM 55.0°
Efficiency 94 %
Peak intensity 1.150 cd/lm
LEDs/each optic 1
Light colour White
Required components:



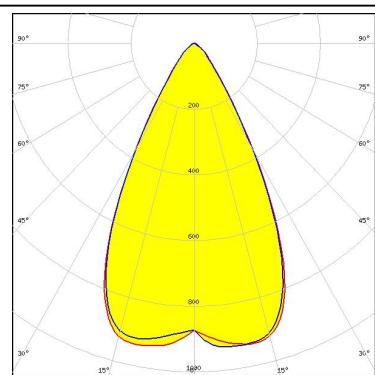
CREE 

LED MHB-A/B
FWHM 60.0°
Efficiency 91 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



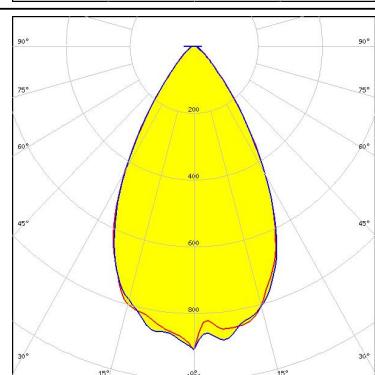
CREE 

LED XB-D
FWHM 52.0°
Efficiency 90 %
Peak intensity 0.980 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

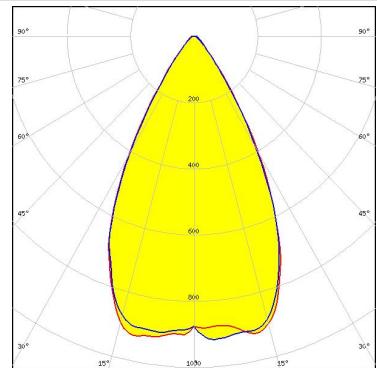
LED XHP35 HD
FWHM 60.0°
Efficiency 94 %
Peak intensity 0.930 cd/lm
LEDs/each optic 1
Light colour White
Required components:



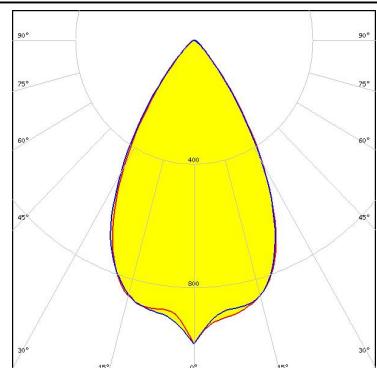
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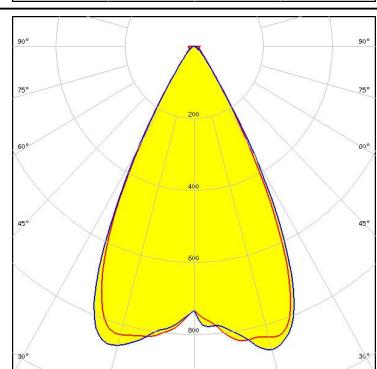
LED XHP35 HI
 FWHM 57.0°
 Efficiency 94 %
 Peak intensity 0.980 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



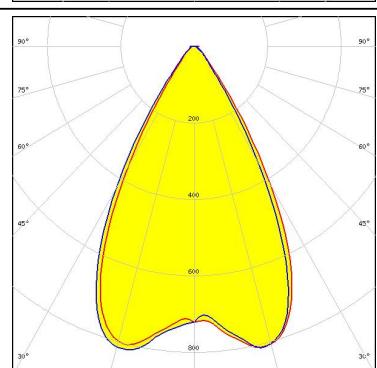
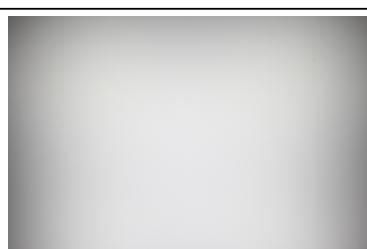
LED XM-L
 FWHM 57.0°
 Efficiency 93 %
 Peak intensity 0.980 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E2
 FWHM 56.0°
 Efficiency 94 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



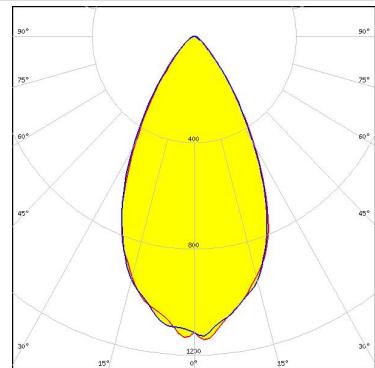
LED H35C1 (LEMWA33)
 FWHM 59.0°
 Efficiency 94 %
 Peak intensity 0.960 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

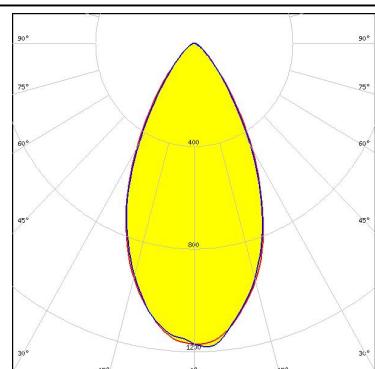
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM 54.0°
 Efficiency 95 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



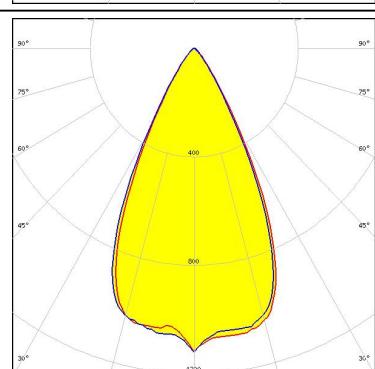
LUMILEDS

LED LUXEON 5050 Square LES
 FWHM 52.0°
 Efficiency 97 %
 Peak intensity 1.190 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



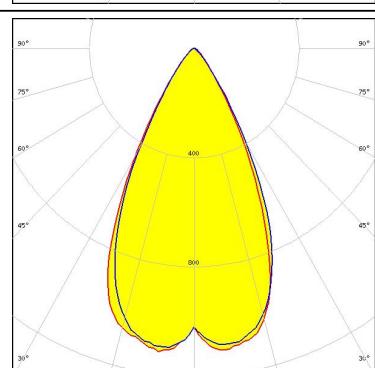
LUMILEDS

LED LUXEON Rebel
 FWHM 50.0°
 Efficiency 93 %
 Peak intensity 1.120 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NF2x757A
 FWHM 50.0°
 Efficiency 93 %
 Peak intensity 1.120 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):



LED NFMW48xA

FWHM 55.0°

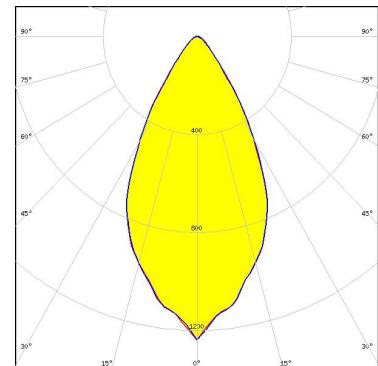
Efficiency 97 %

Peak intensity 1.127 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED NV4WB35AM

FWHM 54.0°

Efficiency 97 %

Peak intensity 1.239 cd/lm

LEDs/each optic 1

Light colour White

Required components:



Opto Semiconductors

LED OSCONIQ P 3030

FWHM 50.0°

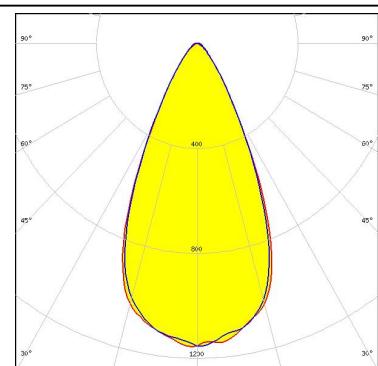
Efficiency 94 %

Peak intensity 1.165 cd/lm

LEDs/each optic 1

Light colour White

Required components:



Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM 57.0°

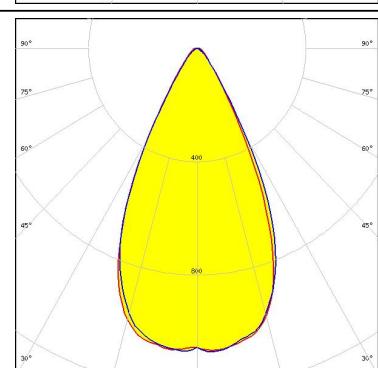
Efficiency 94 %

Peak intensity 1.100 cd/lm

LEDs/each optic 1

Light colour White

Required components:

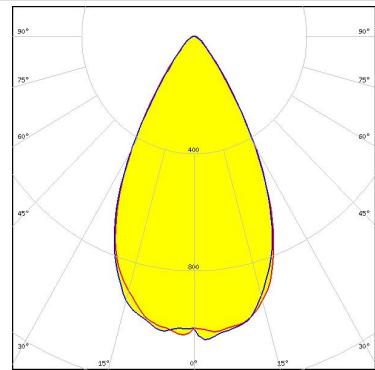


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

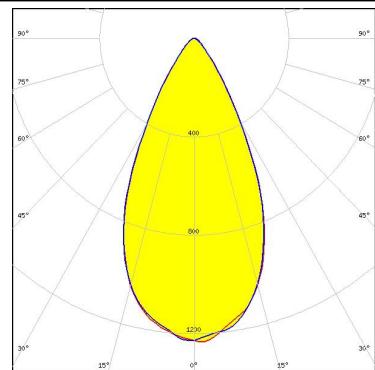
LED OSONIQ P 3737 (3W version)
FWHM 56.0°
Efficiency 94 %
Peak intensity 1.060 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

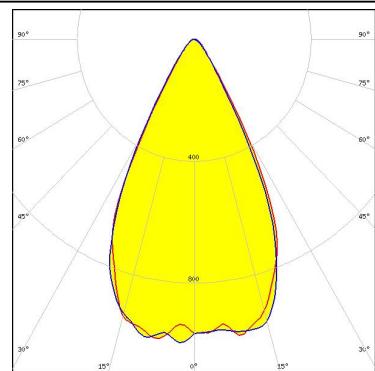
LED OSONIQ P 3737 Flat
FWHM 52.0°
Efficiency 97 %
Peak intensity 1.234 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM 56.0°
Efficiency 94 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

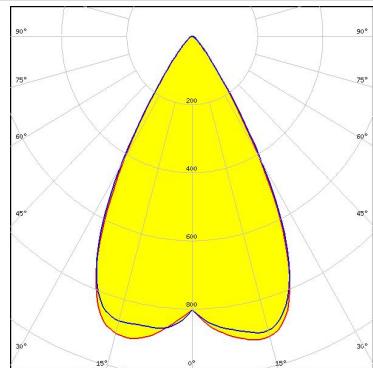
LED OSLON Square EC
FWHM 56.0°
Efficiency 93 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

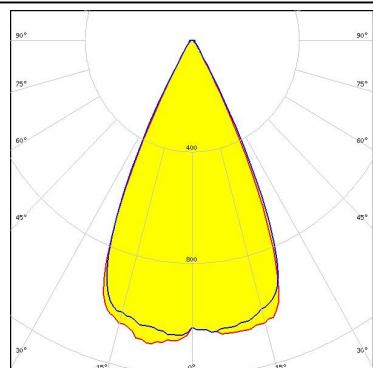
LED OSLON Square PC
FWHM 56.0°
Efficiency 93 %
Peak intensity 0.980 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

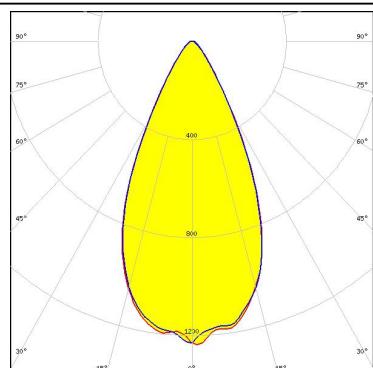
Opto Semiconductors

LED OSLON SSL 80
FWHM 52.0°
Efficiency 94 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



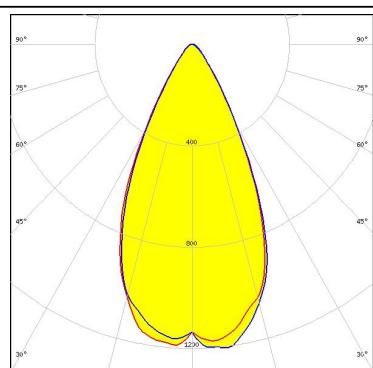
SAMSUNG

LED LH181B
FWHM 50.0°
Efficiency 96 %
Peak intensity 1.238 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

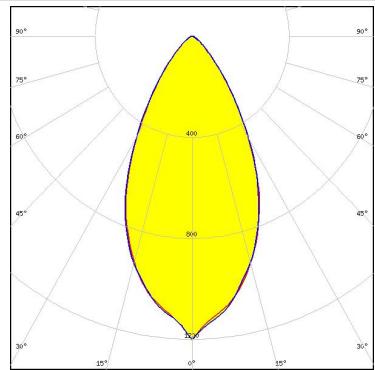
LED LH181B
FWHM 54.0°
Efficiency 94 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

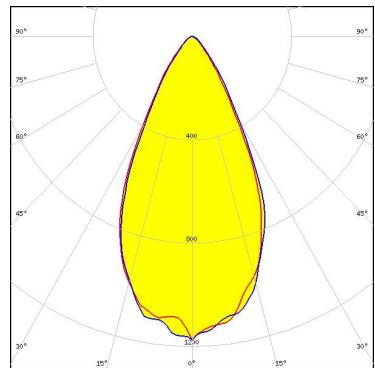
SAMSUNG

LED LH508B
 FWHM 52.0°
 Efficiency 94 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



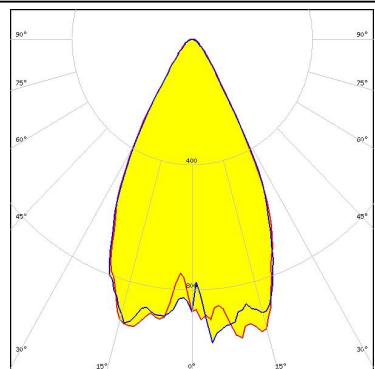
SEOUL SEMICONDUCTOR

LED Acrich MJT 4040
 FWHM 52.0°
 Efficiency 93 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



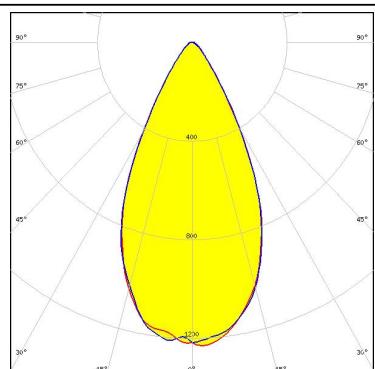
SEOUL SEMICONDUCTOR

LED Z5M
 FWHM 50.0°
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
 FWHM 53.0°
 Efficiency 94 %
 Peak intensity 1.240 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

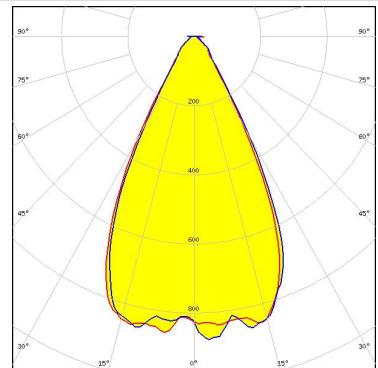


PHOTOMETRIC DATA (SIMULATED):

TOSHIBA

Leading Innovation >>>

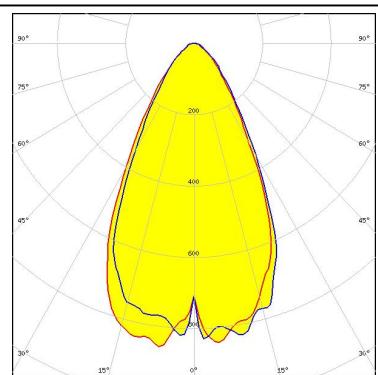
LED TL1L2
FWHM 55.0°
Efficiency 94 %
Peak intensity 0.980 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TOSHIBA

Leading Innovation >>>

LED TL1L3
FWHM 54.0°
Efficiency 89 %
Peak intensity 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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