

STRADELLA-16-HB-S

~25° spot beam for industrial applications

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

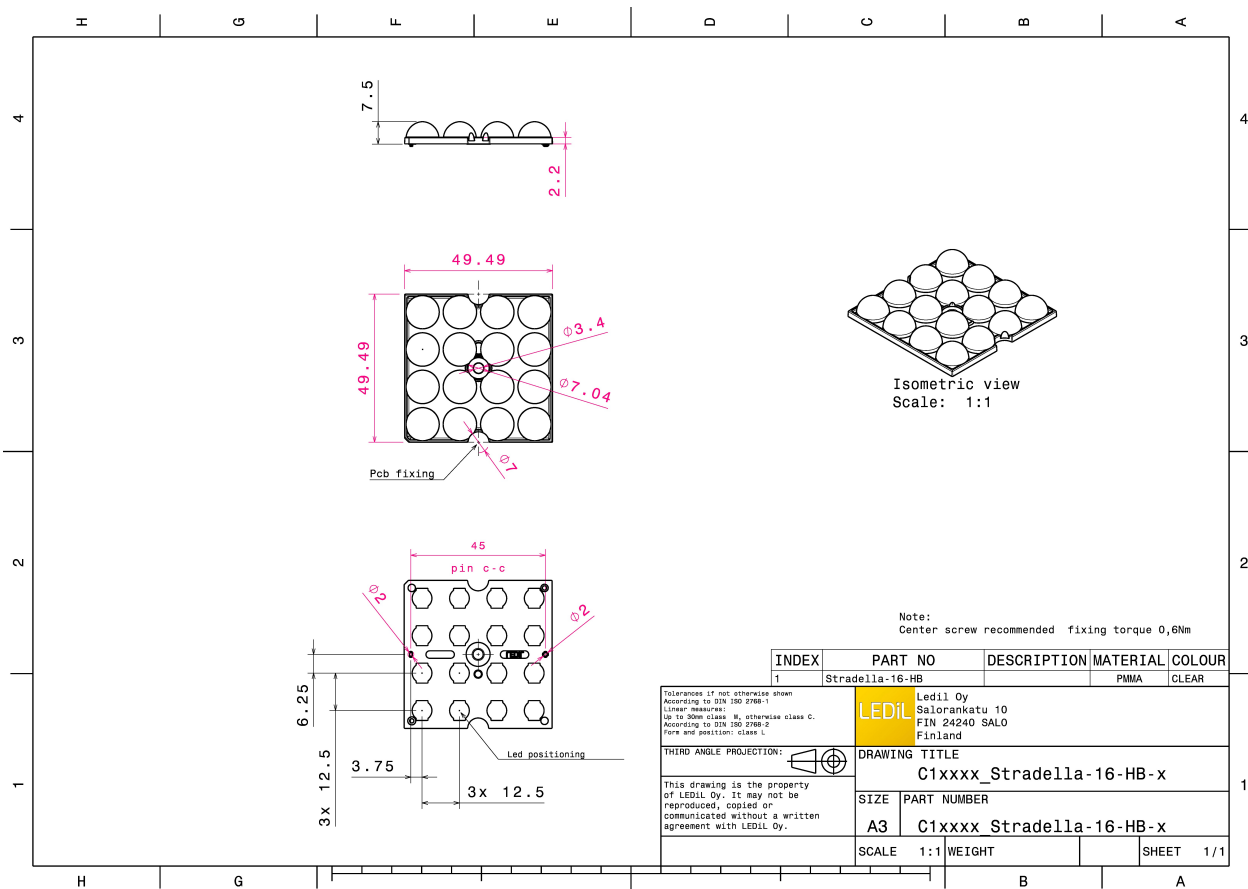
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-S	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15430_STRADELLA-16-HB-S » Box size: 480 x 280 x 300 mm	800	160	160	6.3



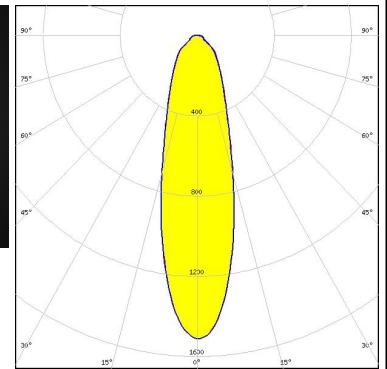


See also our general installation guide: www.ledil.com/installation_guide

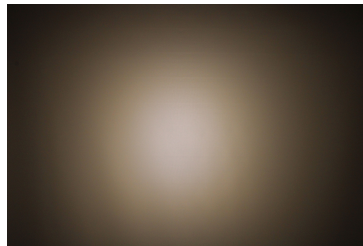
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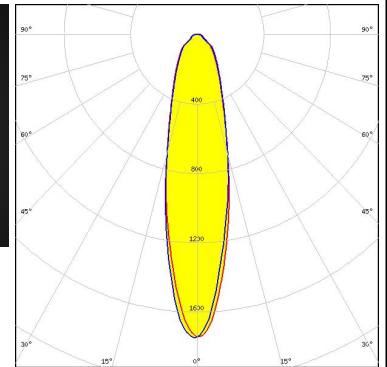
LED J Series 3030
FWHM / FWTM 29.0° / 86.0°
Efficiency 91 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



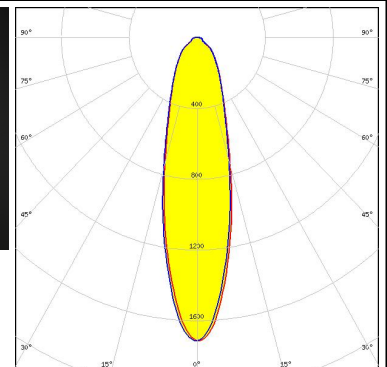
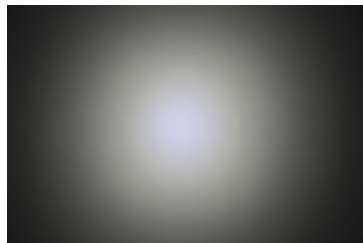
LED EHP-223.5x50-1604-xx-70-LS30-06-NTC
FWHM / FWTM 30.0° / 95.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NFSx757D
FWHM / FWTM 25.0° / 78.0°
Efficiency 90 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



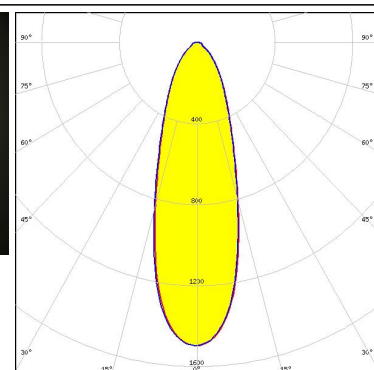
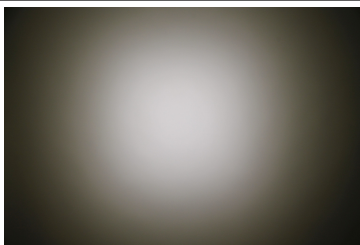
LED NFSx757G
FWHM / FWTM 27.0° / 80.0°
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



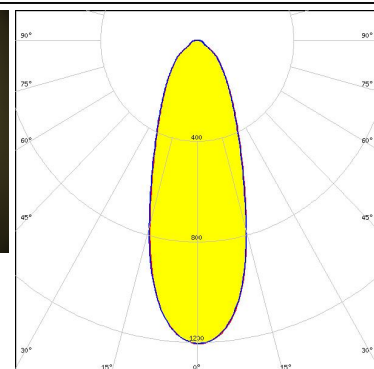
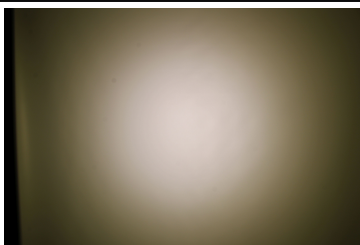
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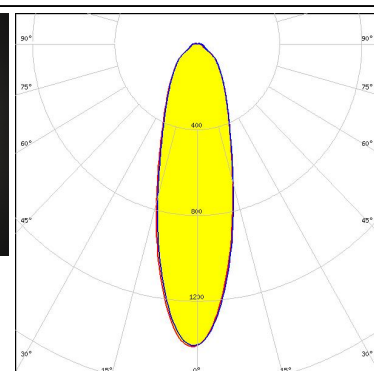
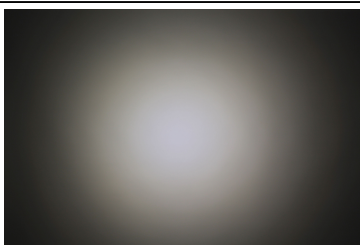
LED NVSW219D
FWHM / FWTM 32.0° / 83.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



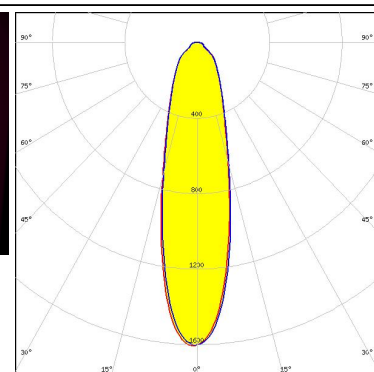
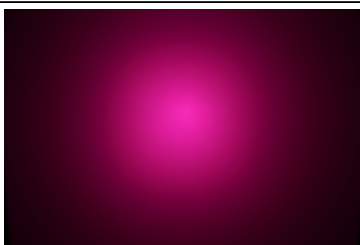
LED NVSW319B
FWHM / FWTM 37.0° / 97.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED PrevaLED Brick MP 4x16
FWHM / FWTM 30.0° / 92.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM / FWTM 27.0° / 83.0°
Efficiency 92 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour Purple
Required components:

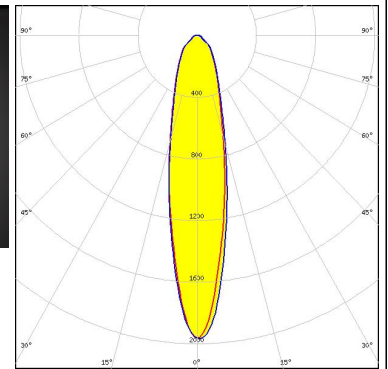


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

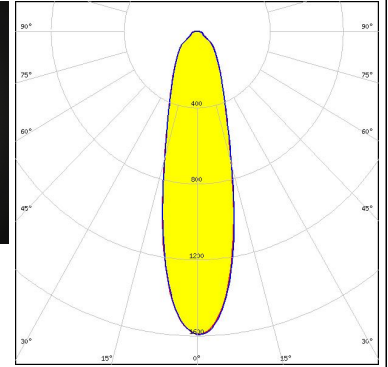
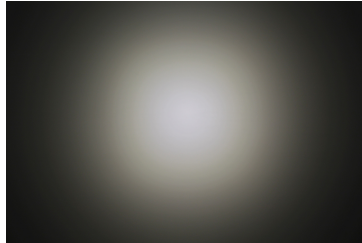
LED Duris S5 (Single chip)
FWHM / FWTM 23.0° / 72.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

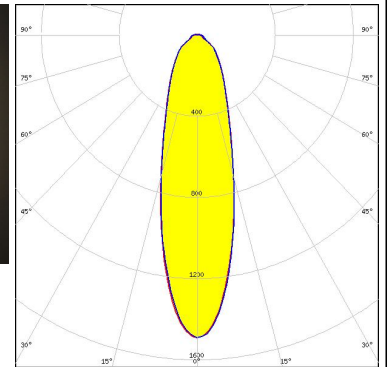
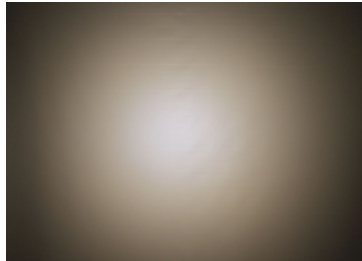
Opto Semiconductors

LED OSCONIQ S 3030
FWHM / FWTM 28.0° / 82.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



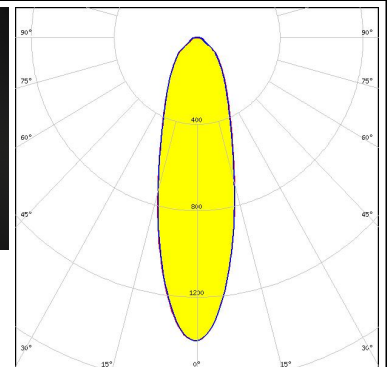
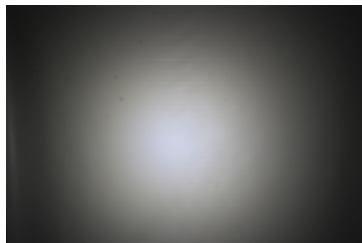
PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4
FWHM / FWTM 29.0° / 88.0°
Efficiency 92 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

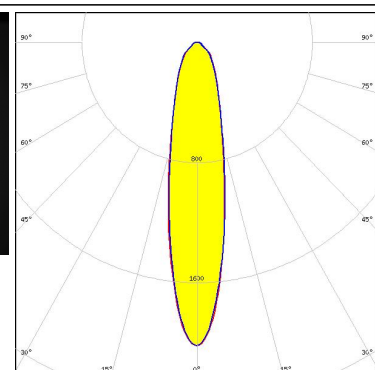
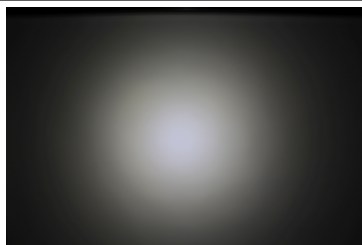
LED HiLOM RM64 (LM301B)
FWHM / FWTM 30.0° / 92.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

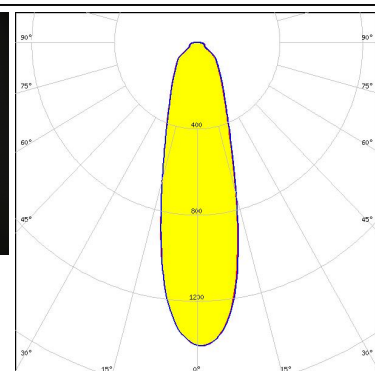
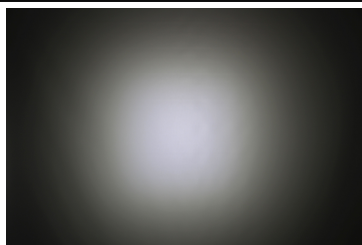
SAMSUNG

LED LM231 A/B
FWHM / FWTM 22.0° / 70.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



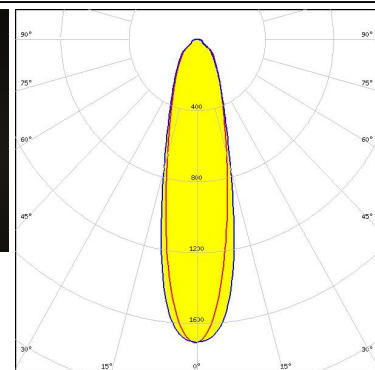
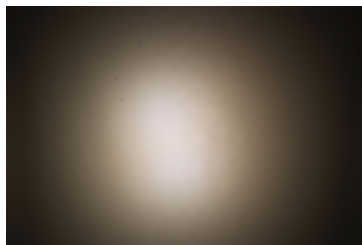
SCIOLUX

LED XLE-S44XTEHE (XT-E HE)
FWHM / FWTM 29.0° / 89.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



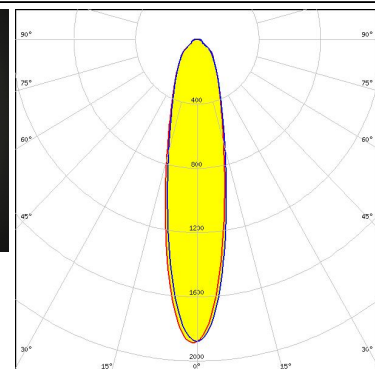
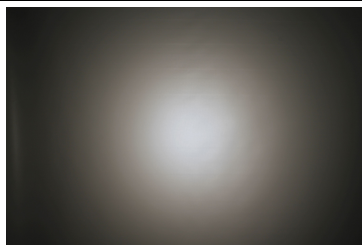
SEOUL SEMICONDUCTOR

LED SEOUL 3030
FWHM / FWTM 26.0° / 78.0°
Efficiency 90 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

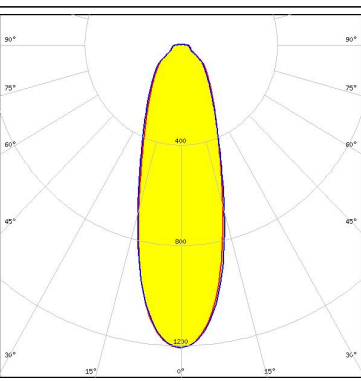
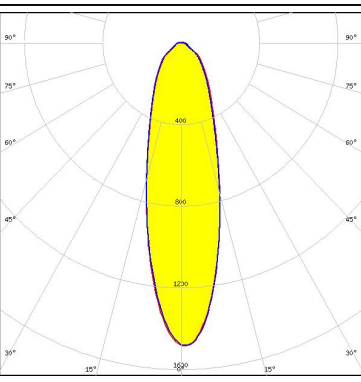


SEOUL SEMICONDUCTOR

LED SEOUL DC 3030
FWHM / FWTM 24.0° / 75.0°
Efficiency 94 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



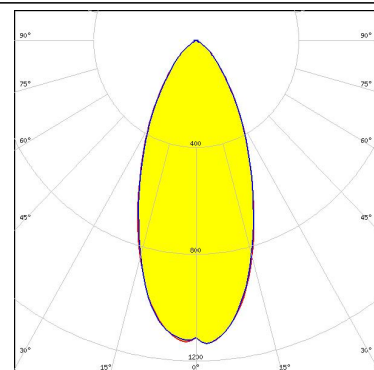
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR LED Z5M3 FWHM / FWTM 33.0° / 100.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:		
TRIDONIC LED RLE 4x16 4000lm MP ADV2 OTD FWHM / FWTM 29.0° / 89.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:		
TRIDONIC LED RLE 4x8 2000lm MP ADV2 OTD FWHM / FWTM 29.0° / 89.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:		

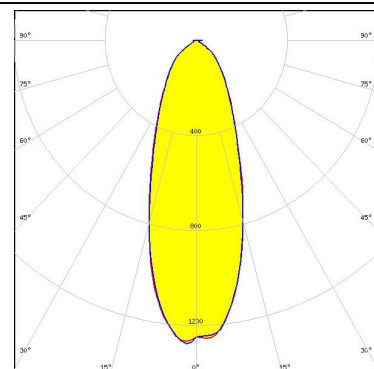
PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE
 FWHM / FWTM 46.0° / 90.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

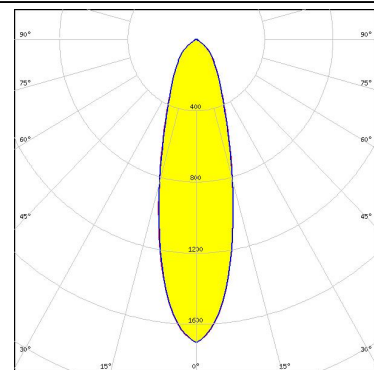


LED XP-G3
 FWHM / FWTM 37.0° / 95.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

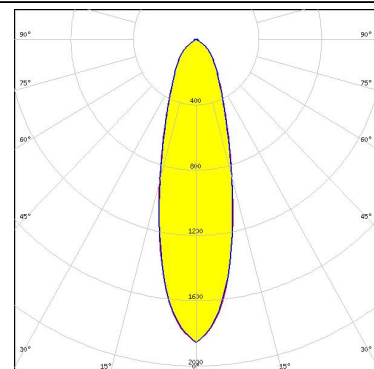


LED LUXEON 2835 Line
 FWHM / FWTM 30.0° / 78.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



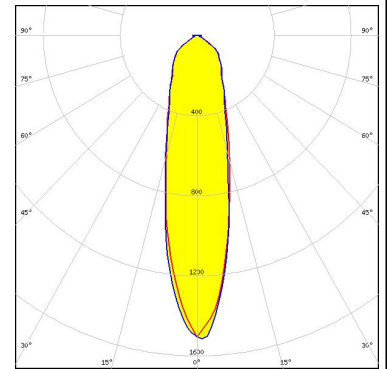
LED LUXEON 2835 Line
 FWHM / FWTM 28.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

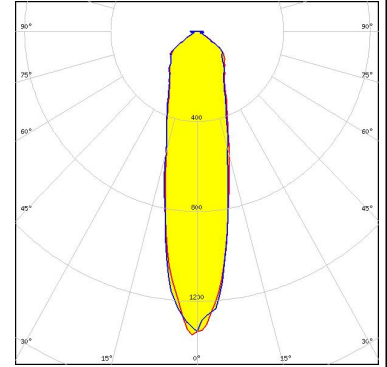
LUMILEDS

LED LUXEON C
FWHM / FWTM 25.0° / 96.0°
Efficiency 91 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



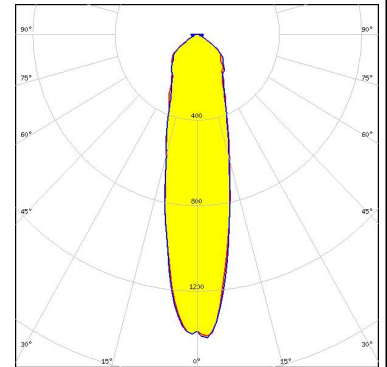
LUMILEDS

LED LUXEON C
FWHM / FWTM 25.0° / 107.0°
Efficiency 90 %
Peak intensity 1.4 cd/Im
LEDs/each optic 1
Light colour Green
Required components:



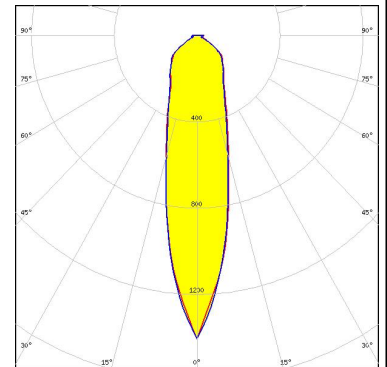
LUMILEDS

LED LUXEON C
FWHM / FWTM 25.0° / 104.0°
Efficiency 91 %
Peak intensity 1.4 cd/Im
LEDs/each optic 1
Light colour Blue
Required components:



LUMILEDS

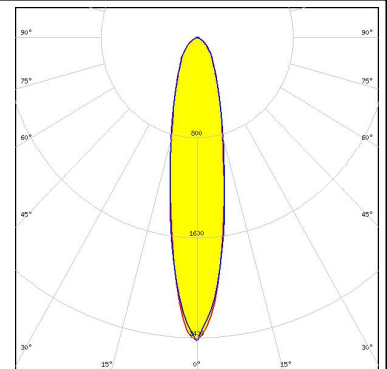
LED LUXEON C
FWHM / FWTM 25.0° / 105.0°
Efficiency 91 %
Peak intensity 1.4 cd/Im
LEDs/each optic 1
Light colour RGBW
Required components:



PHOTOMETRIC DATA (SIMULATED):

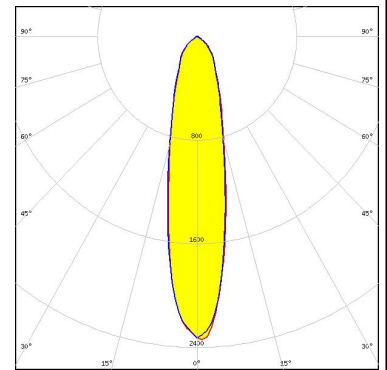
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 22.0° / 67.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



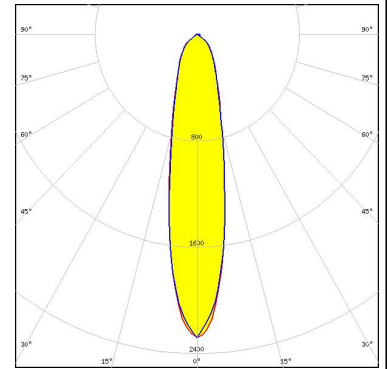
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 23.0° / 70.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour RGBW
Required components:



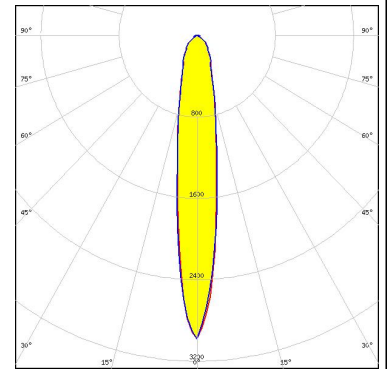
NICHIA

LED NCSxE17A
FWHM / FWTM 22.0° / 69.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

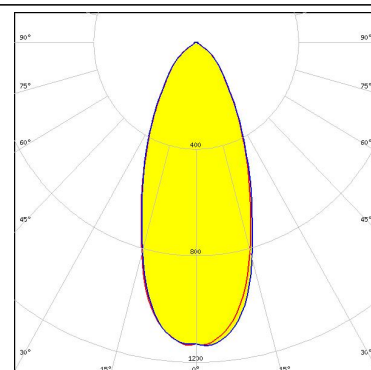
LED NFSWE11A
FWHM / FWTM 16.0° / 56.0°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



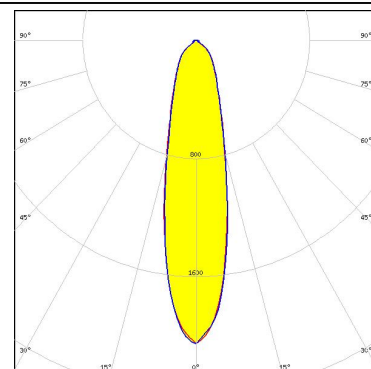
PHOTOMETRIC DATA (SIMULATED):



LED NVSW519A
 FWHM / FWTM 43.0° / 95.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

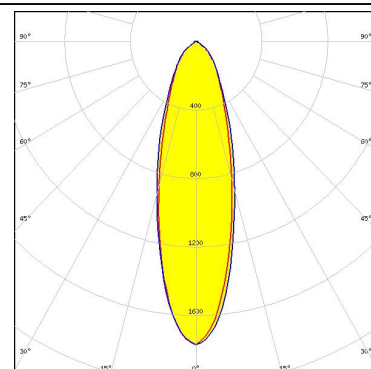


LED NVSxE21A
 FWHM / FWTM 25.0° / 74.0°
 Efficiency 92 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



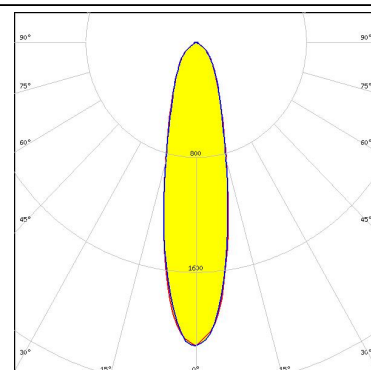
Opto Semiconductors

LED Duris E5
 FWHM / FWTM 30.0° / 80.0°
 Efficiency 93 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Opto Semiconductors

LED OSCONIQ C 2424
 FWHM / FWTM 26.0° / 73.0°
 Efficiency 93 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

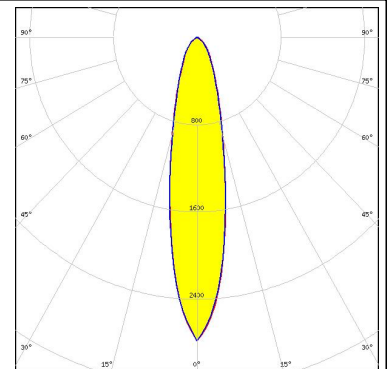


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

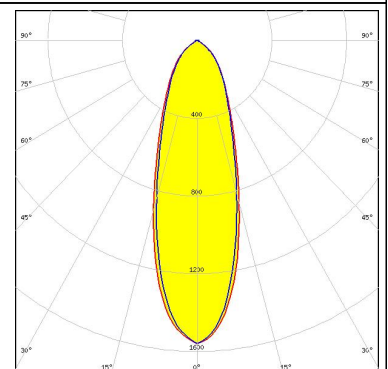
LED OSCONIQ P 3030
FWHM / FWTM 22.0° / 60.0°
Efficiency 94 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

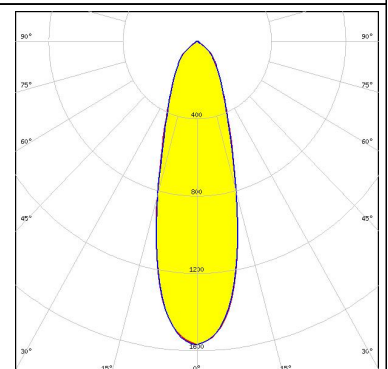
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 32.0° / 87.0°
Efficiency 94 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



SAMSUNG

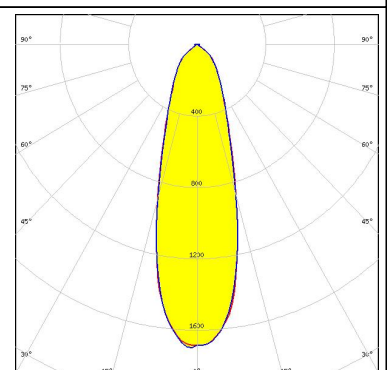
LED LH231B
FWHM / FWTM 31.0° / 80.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



SAMSUNG

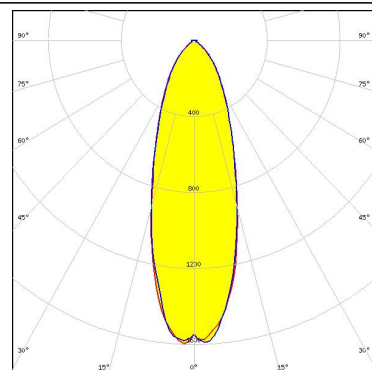
LED LH231B
FWHM / FWTM 31.0° / 82.0°
Efficiency 91 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

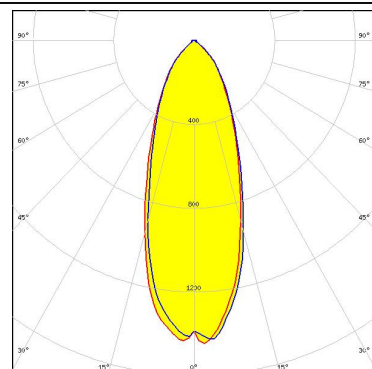
SAMSUNG

LED LH351B
FWHM / FWTM 33.0° / 83.0°
Efficiency 94 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



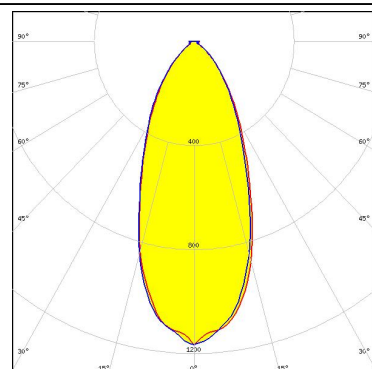
SAMSUNG

LED LH351C
FWHM / FWTM 37.0° / 87.0°
Efficiency 94 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



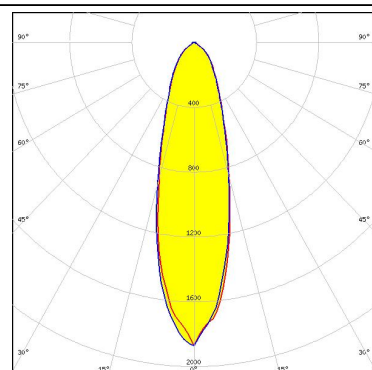
SAMSUNG

LED LH351D
FWHM / FWTM 44.0° / 93.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LM301B
FWHM / FWTM 27.0° / 78.0°
Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

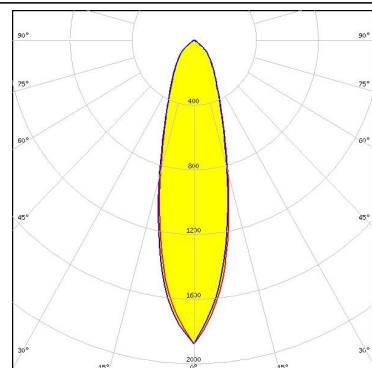


PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

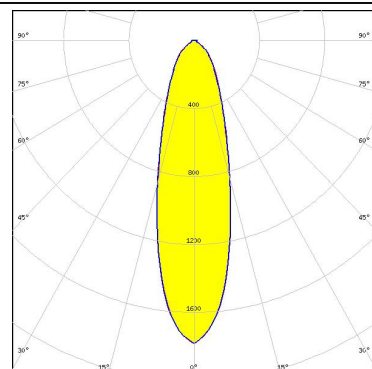
LED LM301B
FWHM / FWTM 28.0° / 76.0°
Efficiency 87 %
Peak intensity 1.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



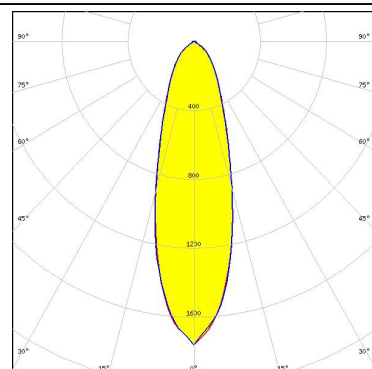
SAMSUNG

LED LM302D
FWHM / FWTM 29.0° / 79.0°
Efficiency 93 %
Peak intensity 1.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



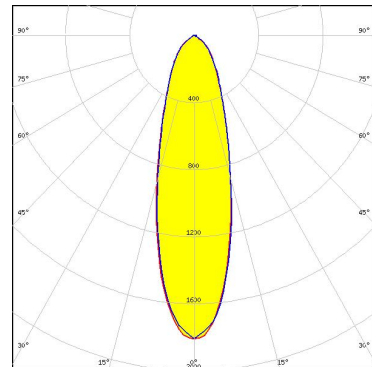
SAMSUNG

LED LM302Z plus
FWHM / FWTM 30.0° / 80.0°
Efficiency 93 %
Peak intensity 1.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:

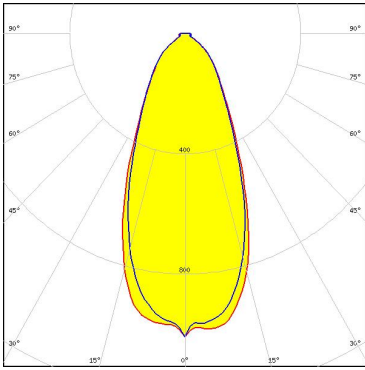
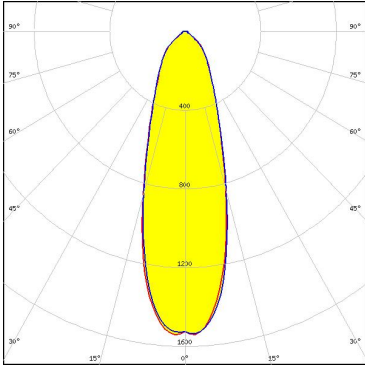


SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C
FWHM / FWTM 30.0° / 80.0°
Efficiency 93 %
Peak intensity 1.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR LED: SEOUL DC 5050 6V FWHM / FWTM: 45.0° / 100.0° Efficiency: 91 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
 SEOUL SEMICONDUCTOR LED: Z8Y22T FWHM / FWTM: 31.0° / 82.0° Efficiency: 93 % Peak intensity: 1.6 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:

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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