

STRADELLA-16-HB-S

~25° spot beam for industrial applications

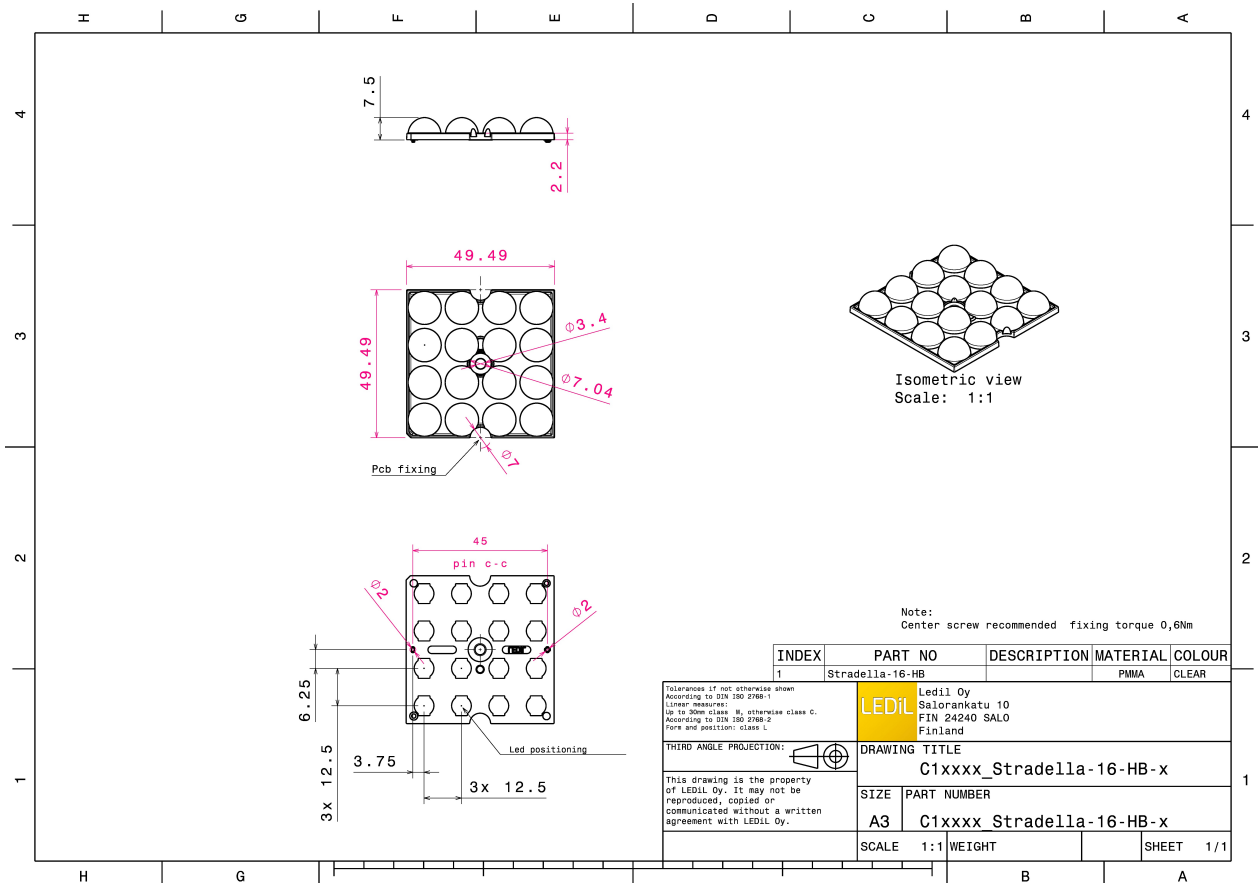
TECHNICAL SPECIFICATIONS:

Dimensions	49.5 mm
Height	7.5 mm
Fastening	pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

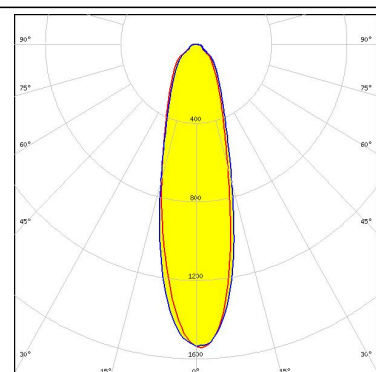
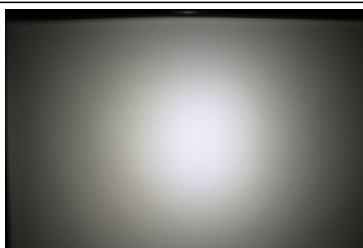
Component	Type	Material	Colour
STRADELLA-16-HB-S	Multi-lens	PMMA	clear



PHOTOMETRIC DATA (MEASURED):

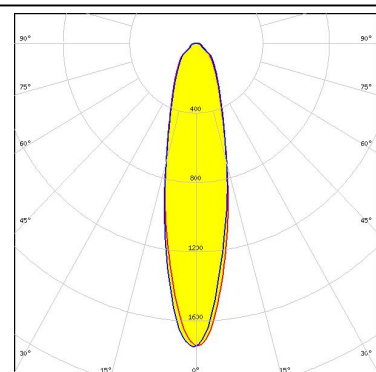
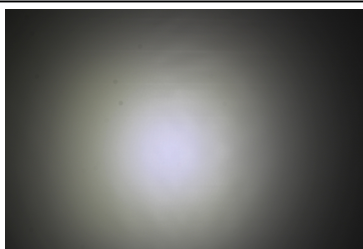
LG Innotech

LED LG 3030
FWHM 28.0°
Efficiency 90 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



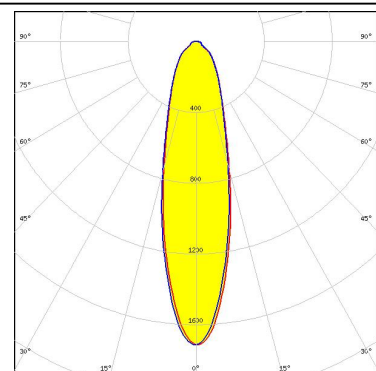
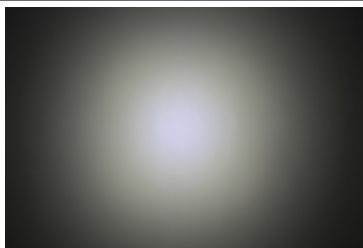
NICHIA

LED NFSx757D
FWHM 25.0°
Efficiency 90 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



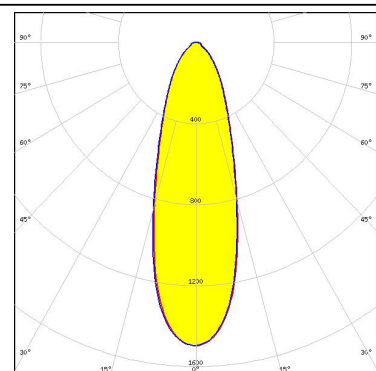
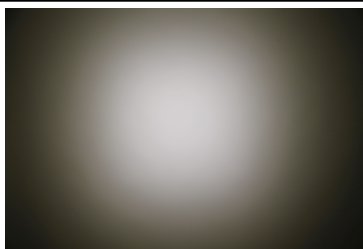
NICHIA

LED NFSx757G
FWHM 27.0°
Efficiency 93 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:

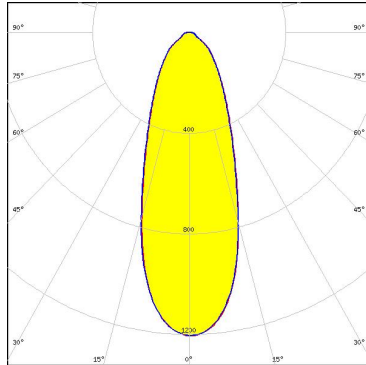
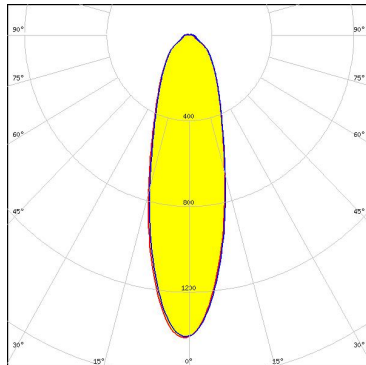
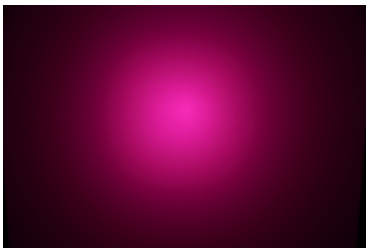
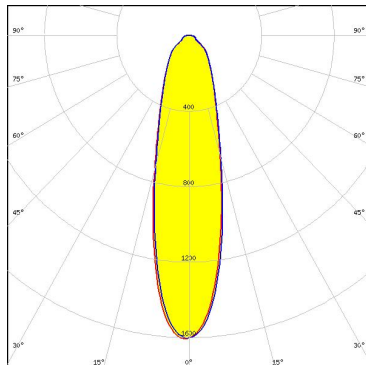
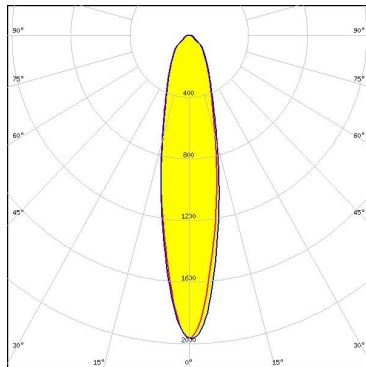


NICHIA

LED NVSW219D
FWHM 32.0°
Efficiency 93 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

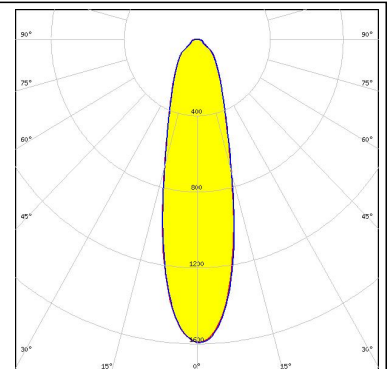
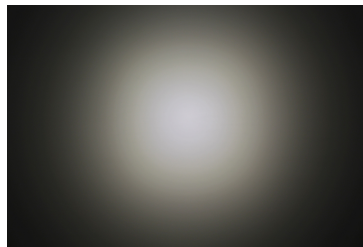
NICHIA LED NVSW319B FWHM 37.0° Efficiency 93 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM LED PrevaLED Brick MP 4x16 FWHM 30.0° Efficiency 92 % Peak intensity 1.400 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM Opto Semiconductors LED Duris S5 (2 chip) FWHM 27.0° Efficiency 92 % Peak intensity 1.607 cd/lm LEDs/each optic 1 Light colour Purple Required components:		
OSRAM Opto Semiconductors LED Duris S5 (Single chip) FWHM 23.0° Efficiency 90 % Peak intensity 2.000 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

OSRAM

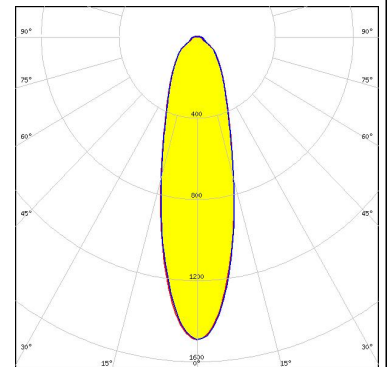
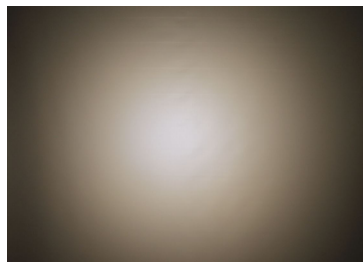
Opto Semiconductors

LED OSCONIQ S 3030
FWHM 28.0°
Efficiency 91 %
Peak intensity 1.596 cd/lm
LEDs/each optic 1
Light colour White
Required components:



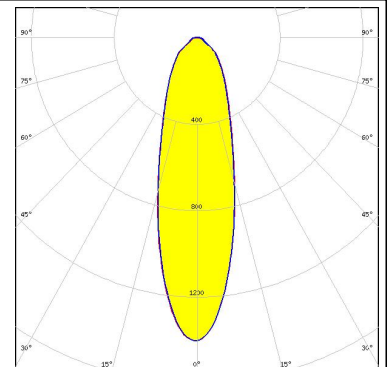
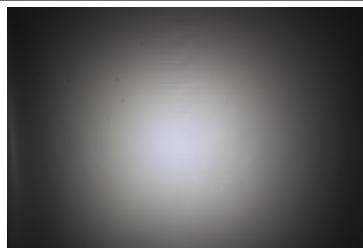
PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4
FWHM 29.0°
Efficiency 92 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



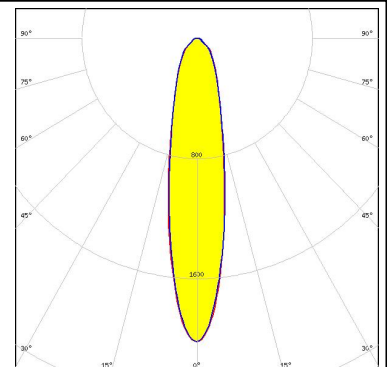
SAMSUNG

LED HiLOM RM64 (LM301B)
FWHM 30.0°
Efficiency 93 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:

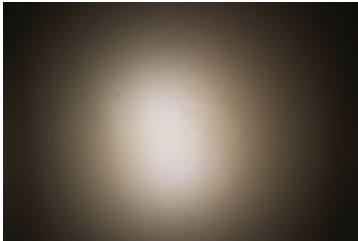
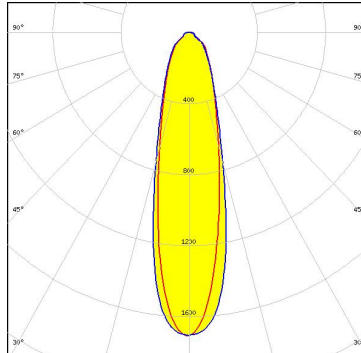
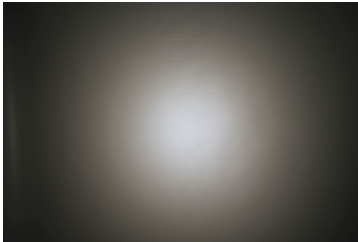
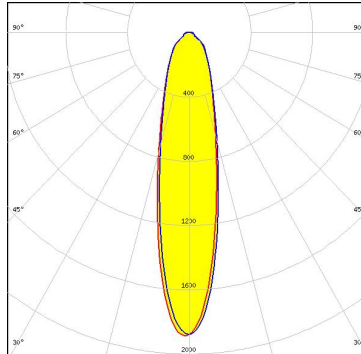
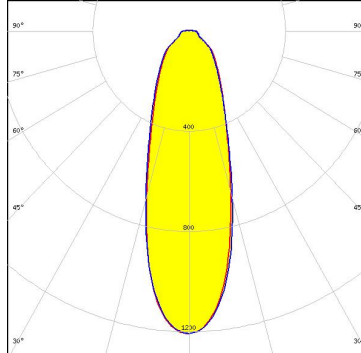
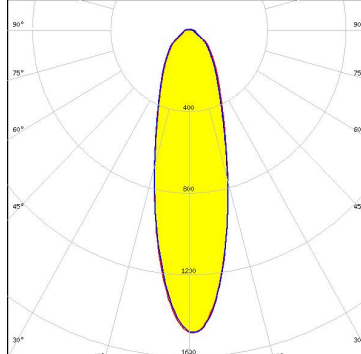


SAMSUNG

LED LM231 A/B
FWHM 22.0°
Efficiency 91 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR LED SEOUL 3030 FWHM 26.0° Efficiency 90 % Peak intensity 1.700 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR LED SEOUL DC 3030 FWHM 24.0° Efficiency 94 % Peak intensity 1.900 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR LED Z5M3 FWHM 33.0° Efficiency 94 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components:		
TRIDONIC LED RLE 4x16 4000lm MP ADV2 OTD FWHM 29.0° Efficiency 93 % Peak intensity 1.500 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

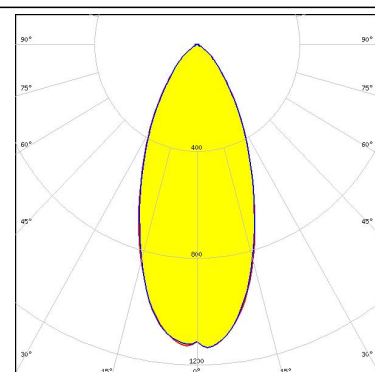
TRIDONIC

LED	RLE 4x8 2000lm MP ADV2 OTD
FWHM	29.0°
Efficiency	93 %
Peak intensity	1.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

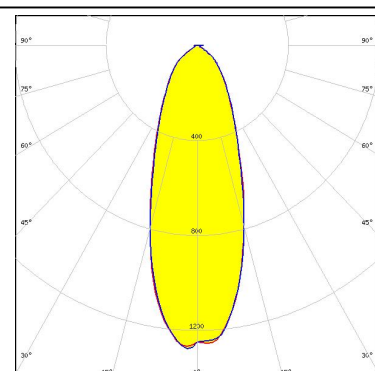
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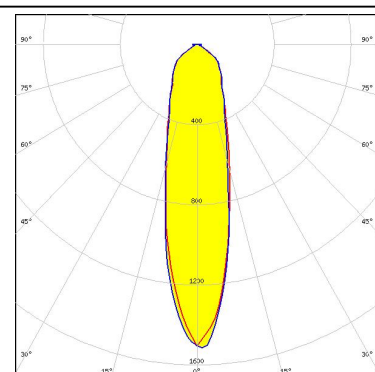
LED XP-G2 HE
FWHM 46.0°
Efficiency 90 %
Peak intensity 1.143 cd/lm
LEDs/each optic 1
Light colour White
Required components:



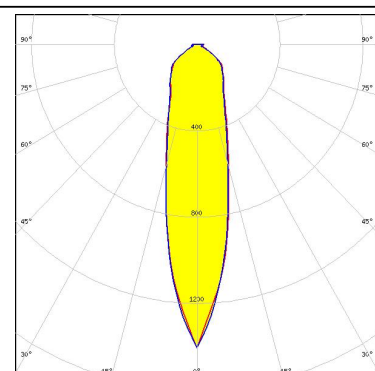
LED XP-G3
FWHM 37.0°
Efficiency 91 %
Peak intensity 1.304 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON C
FWHM 25.0°
Efficiency 91 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



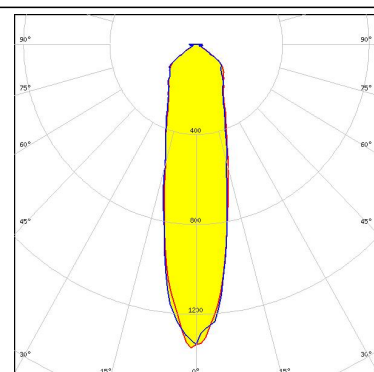
LED LUXEON C
FWHM 25.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour RGBW
Required components:



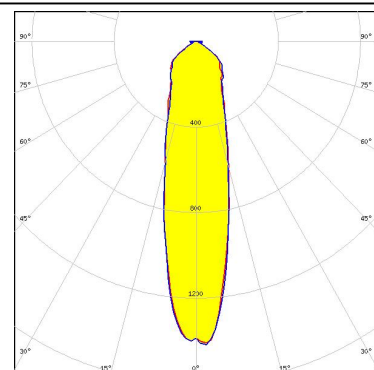
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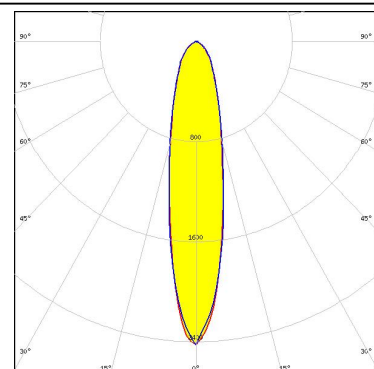
LED LUXEON C
FWHM 25.0°
Efficiency 90 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



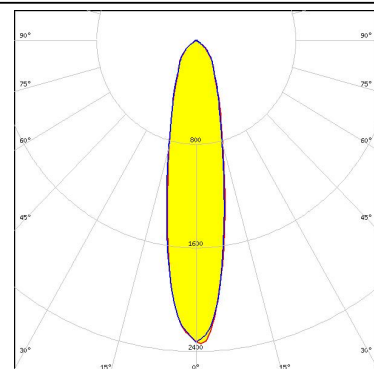
LED LUXEON C
FWHM 25.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



LED LUXEON CZ
FWHM 22.0°
Efficiency 94 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



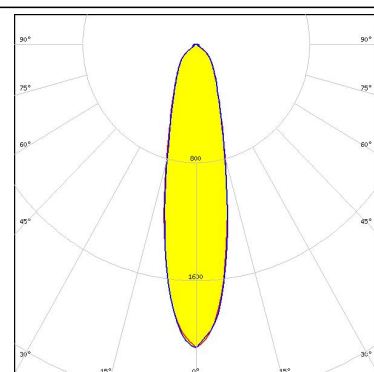
LED LUXEON CZ
FWHM 23.0°
Efficiency 94 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour RGBW
Required components:



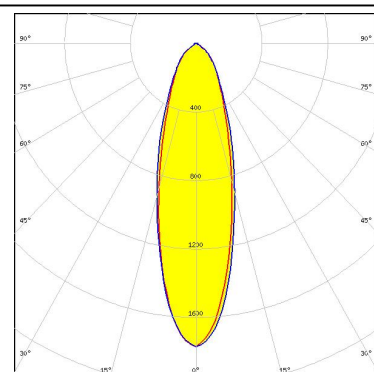
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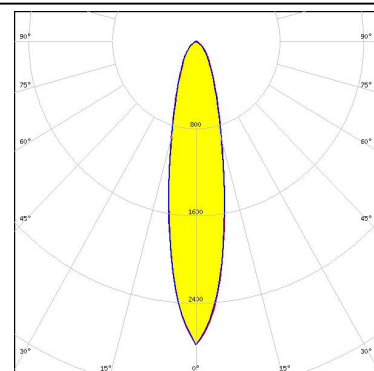
LED NVSxE21A
 FWHM 25.0°
 Efficiency 92 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



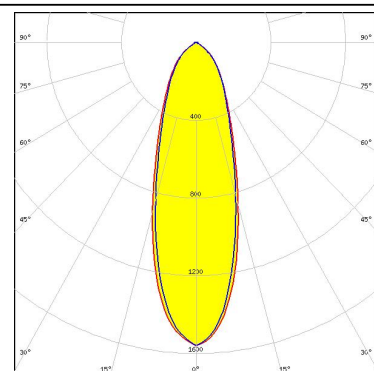
LED Duris E5
 FWHM 30.0°
 Efficiency 93 %
 Peak intensity 1.770 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3030
 FWHM 22.0°
 Efficiency 94 %
 Peak intensity 2.783 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



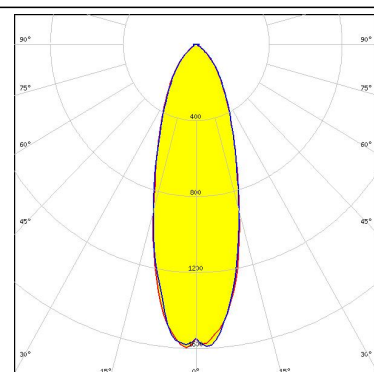
LED OSLON Square CSSRM2/CSSRM3
 FWHM 32.0°
 Efficiency 94 %
 Peak intensity 1.560 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



PHOTOMETRIC DATA (SIMULATED):

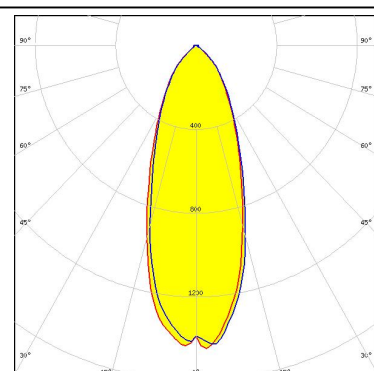
SAMSUNG

LED LH351B
FWHM 33.0°
Efficiency 94 %
Peak intensity 1.627 cd/lm
LEDs/each optic 1
Light colour White
Required components:



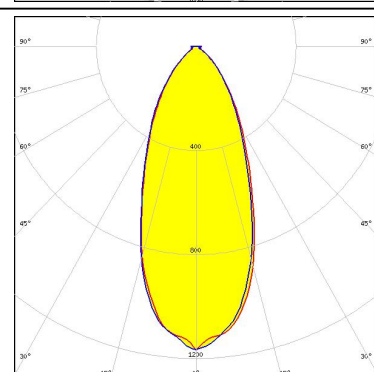
SAMSUNG

LED LH351C
FWHM 37.0°
Efficiency 94 %
Peak intensity 1.471 cd/lm
LEDs/each optic 1
Light colour White
Required components:



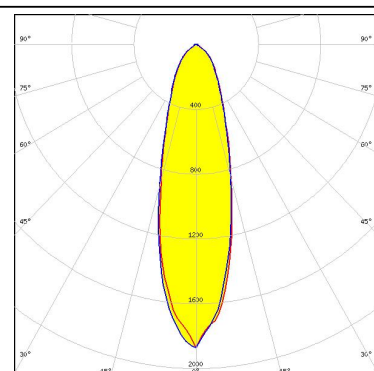
SAMSUNG

LED LH351D
FWHM 44.0°
Efficiency 93 %
Peak intensity 1.170 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

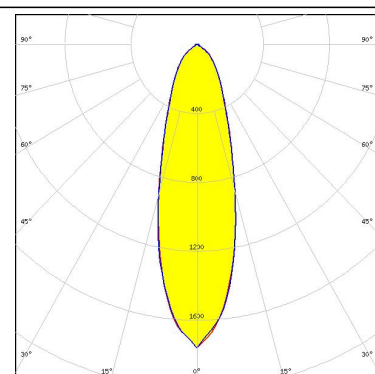
LED LM301B
FWHM 27.0°
Efficiency 93 %
Peak intensity 1.870 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

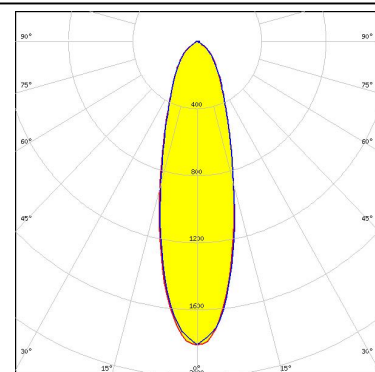
SAMSUNG

LED LM302Z plus
FWHM 30.0°
Efficiency 93 %
Peak intensity 1.761 cd/lm
LEDs/each optic 1
Light colour White
Required components:



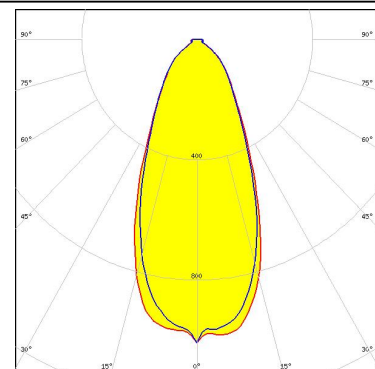
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C
FWHM 30.0°
Efficiency 93 %
Peak intensity 1.813 cd/lm
LEDs/each optic 1
Light colour White
Required components:



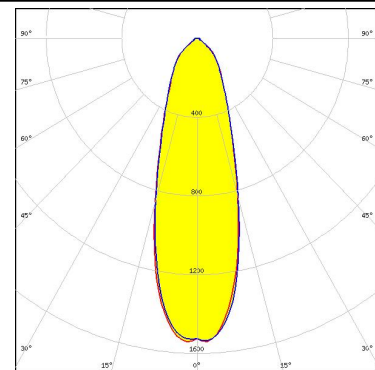
SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V
FWHM 45.0°
Efficiency 91 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM 31.0°
Efficiency 93 %
Peak intensity 1.620 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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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Hong Kong, China

Distribution Partners

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