

FLORENCE-Z90

~90° wide beam. Ideal for retail and industrial lighting. Can be used for general office lighting with shade.

TECHNICAL SPECIFICATIONS:

Dimensions	61.0 x 286.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

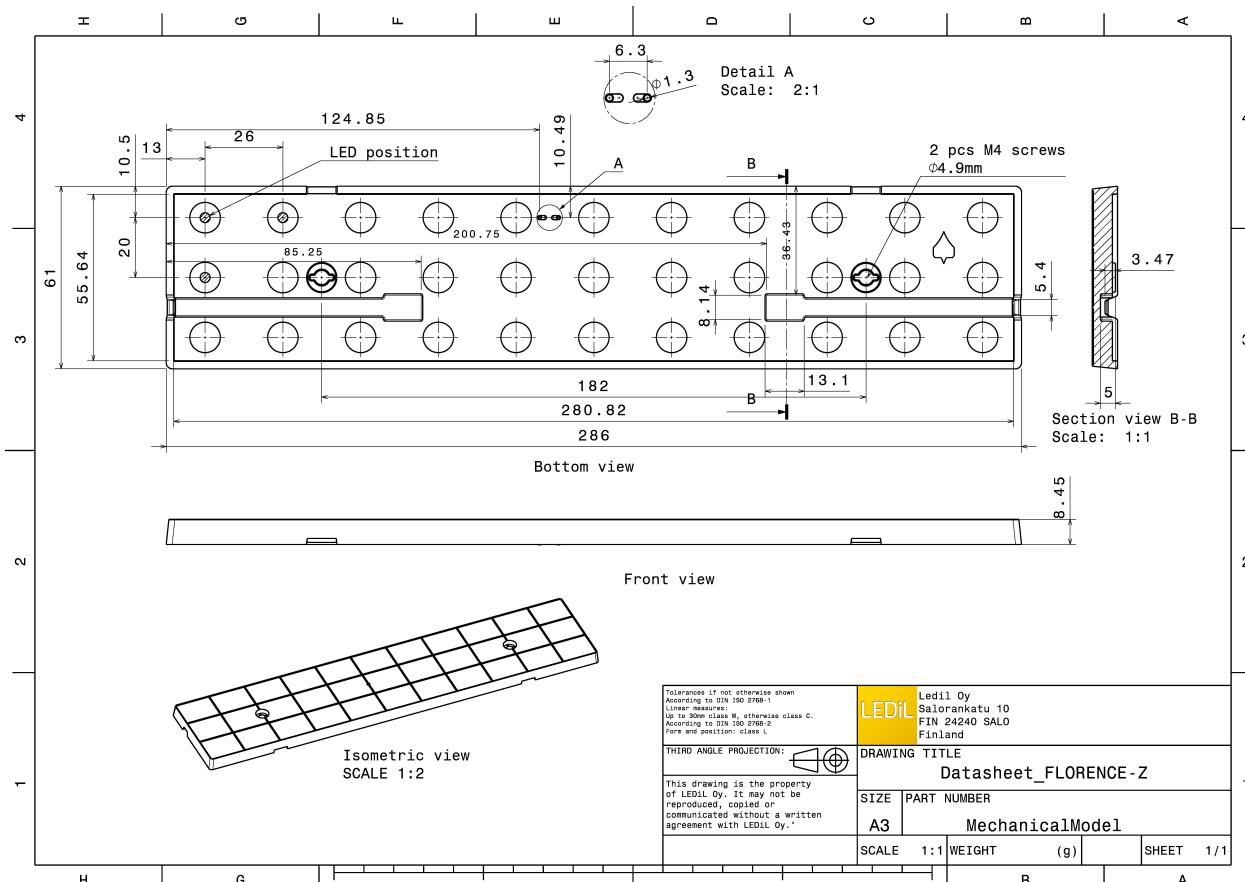


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLORENCE-Z90	Linear lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F13853_FLORENCE-Z90	72	18	6	7.8
» Box size: 398 x 298 x 140 mm				

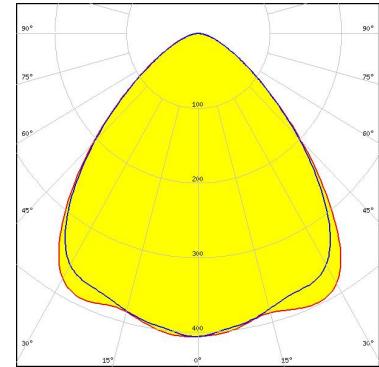
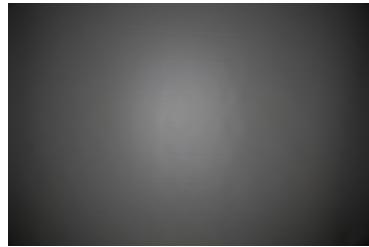


See also our general installation guide: www.ledil.com/installation_guide

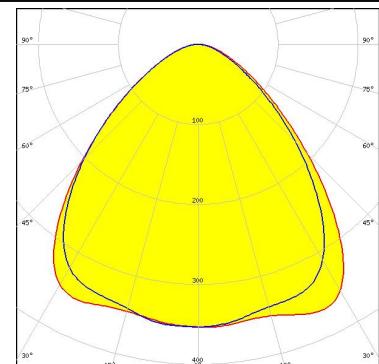
PHOTOMETRIC DATA (MEASURED):



LED TRIDINO R3 8x0 1100 1ft HV
 FWHM 92.0°
 Efficiency 87 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

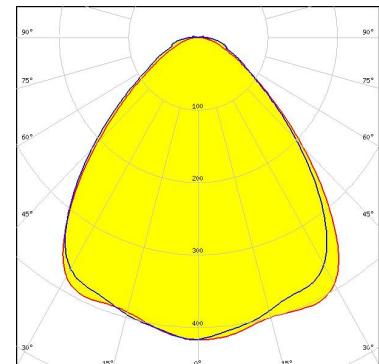


LED XH-B/G
 FWHM 95.0°
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



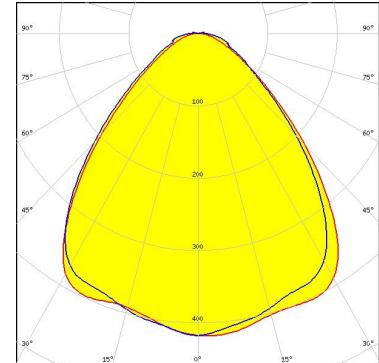
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LED LED-Modul 280 x 55 mm 1B
 FWHM 90.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

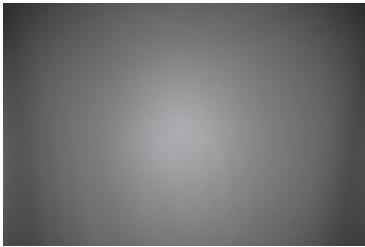
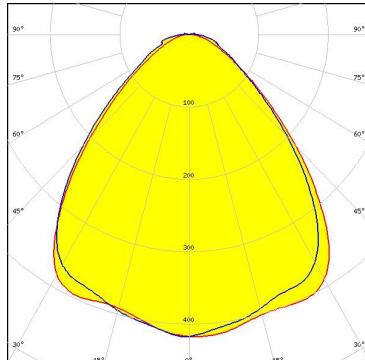
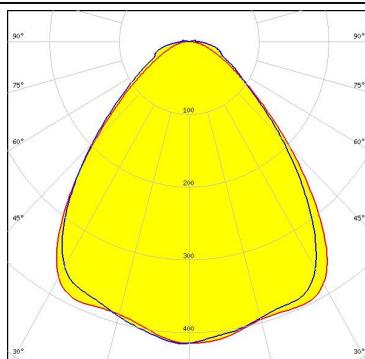
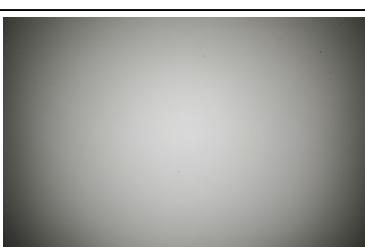
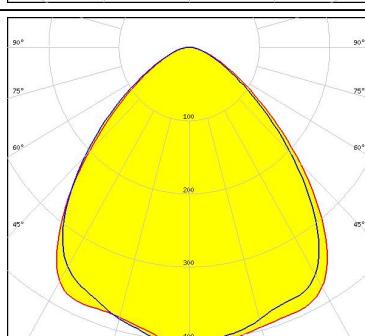
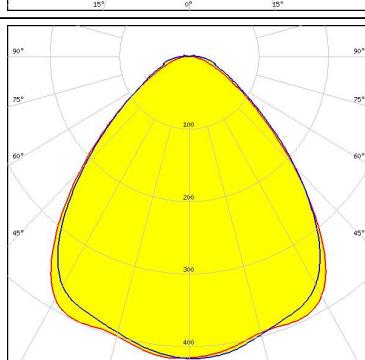


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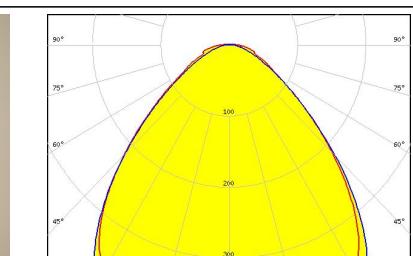
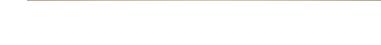
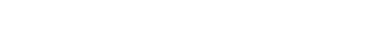
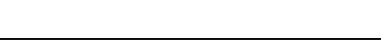
LED LED-Modul 280 x 55 mm 1F
 FWHM 90.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

 <p>LED LED-Modul 280 x 55 mm 2F FWHM 90.0° Efficiency 92 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED LUXEON 3030 2D (Square LES) FWHM 88.0 + 87.0° Efficiency 91 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED LUXEON 3535 2D FWHM 92.0° Efficiency 87 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED LUXEON 3535L HE FWHM 92.0° Efficiency 93 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

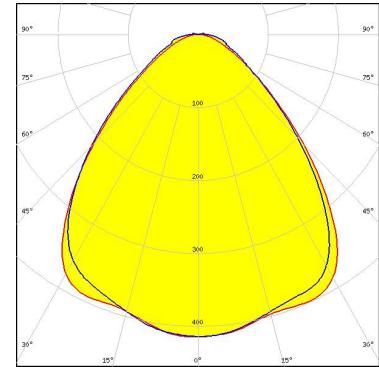
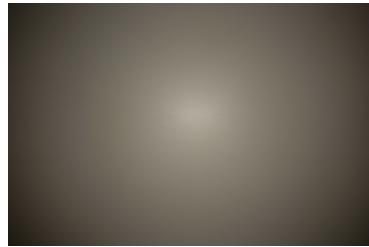
PHOTOMETRIC DATA (MEASURED):

 LUMILEDS	LED LUXEON XR-3535L (L202 - xxxx033C30001) FWHM 91.0° Efficiency 93 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
 LUMINUS	LED MP-2016 FWHM 90.0° Efficiency 91 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
 NICHIA	LED NF2x757D FWHM 92.0° Efficiency 90 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
 NICHIA	LED NFSW757H FWHM 90.0 + 83.0° Efficiency 87 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14646_FLORENCE-3R-SHD-WHT		

PHOTOMETRIC DATA (MEASURED):

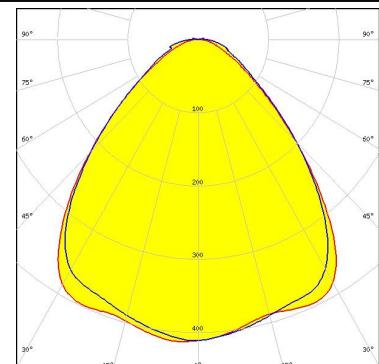
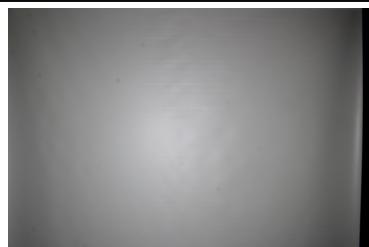


LED NFSW757H
 FWHM 91.0 + 90.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



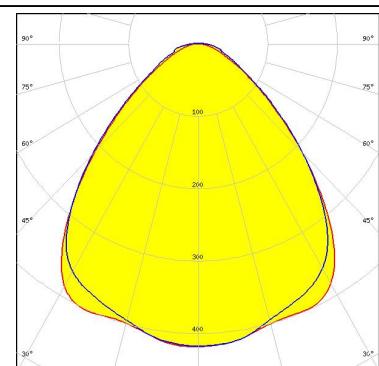
OSRAM

LED PL-BAR-G3 1100 280x55
 FWHM 90.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



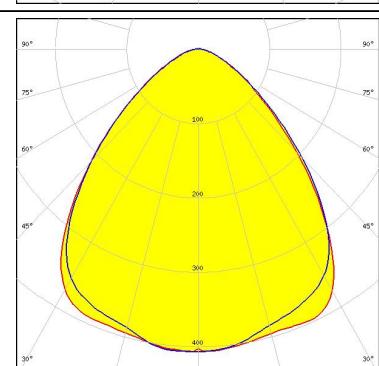
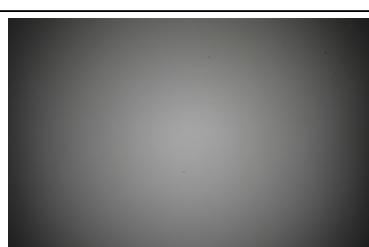
OSRAM

LED PLG2-BAR-1100-xxx-280x55-DC
 FWHM 92.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors
 LED Duris E5
 FWHM 92.0°
 Efficiency 88 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



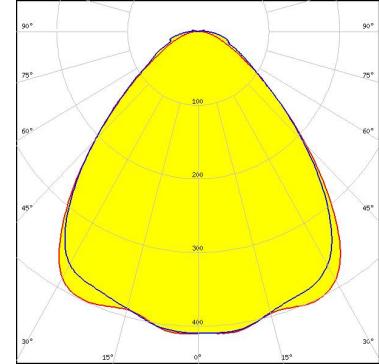
PHOTOMETRIC DATA (MEASURED):

OSRAM <small>Opto Semiconductors</small>	LED Duris S2 FWHM 95.0° Efficiency 90 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM <small>Opto Semiconductors</small>	LED Duris S5 (Single chip) FWHM 91.0° Efficiency 88 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM <small>Opto Semiconductors</small>	LED OSCONIQ P 2226 FWHM 94.0° Efficiency 83 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM <small>Opto Semiconductors</small>	LED OSLON Square CSSRM2/CSSRM3 FWHM 91.0° Efficiency 93 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

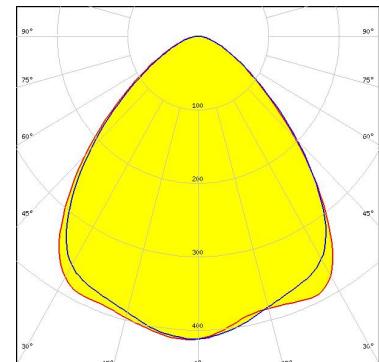
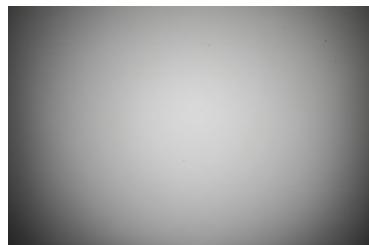
PHILIPS

LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4
 FWHM 90.0°
 Efficiency 93 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



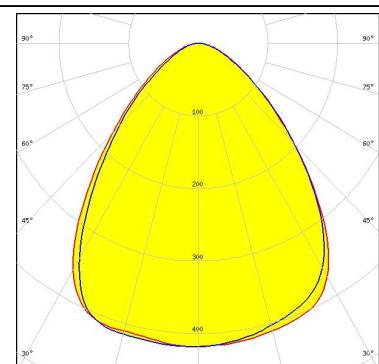
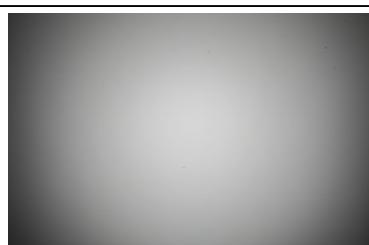
SAMSUNG

LED LM231 A/B
 FWHM 91.0°
 Efficiency 88 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



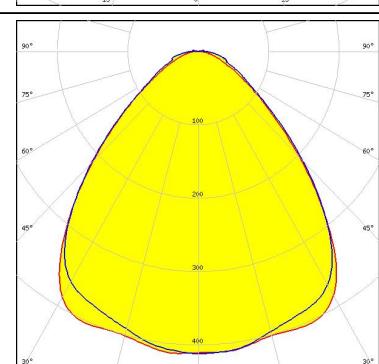
SAMSUNG

LED LM561B
 FWHM 86.0°
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

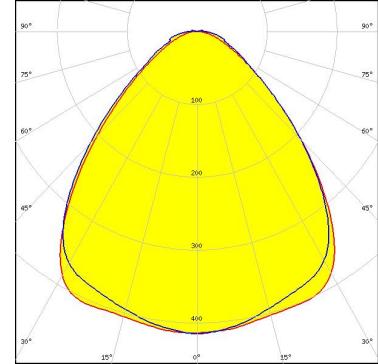
LED LM561B Plus
 FWHM 92.0°
 Efficiency 93 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

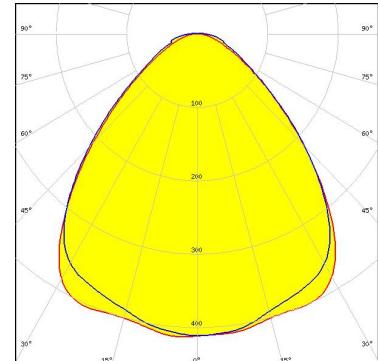
SAMSUNG

LED LM561C
 FWHM 92.0°
 Efficiency 93 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



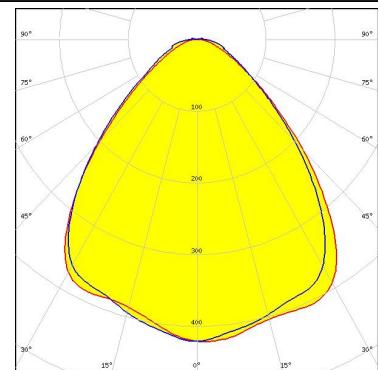
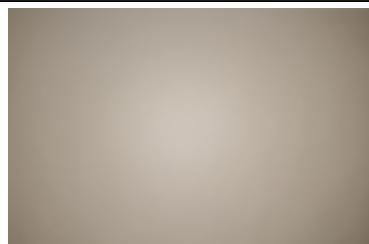
SAMSUNG

LED LT-R286A
 FWHM 93.0°
 Efficiency 93 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



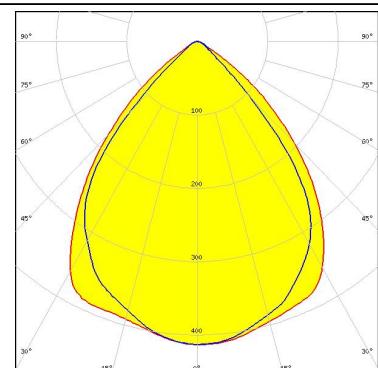
SEOUL SEMICONDUCTOR

LED SEOUL 3030
 FWHM 91.0°
 Efficiency 91 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

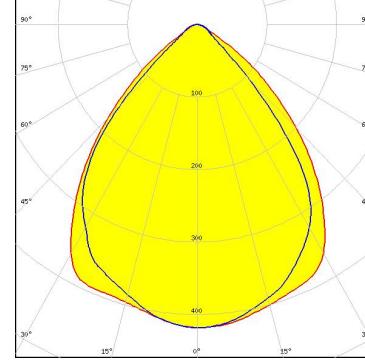
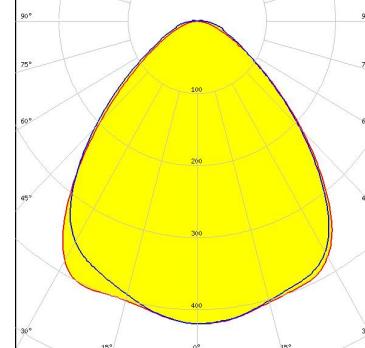
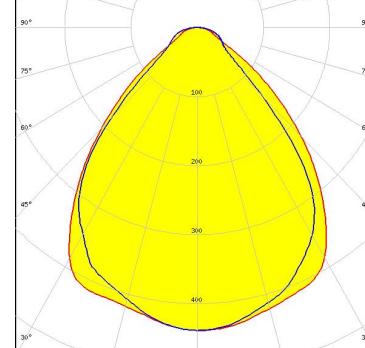
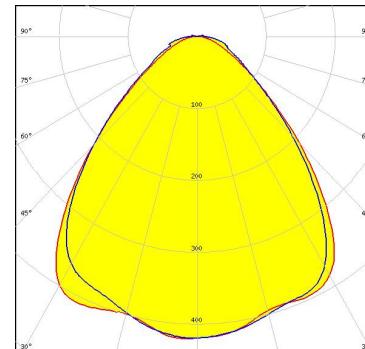


SEOUL SEMICONDUCTOR

LED SEOUL 5630C
 FWHM 87.0 + 81.0°
 Efficiency 71 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14592_FLORENCE-3R-SHD-BLK



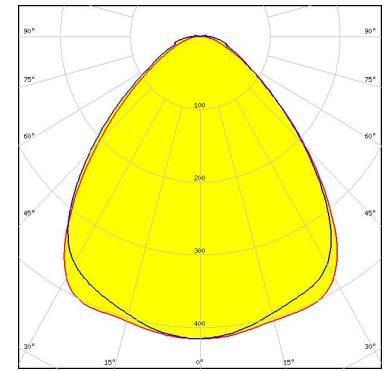
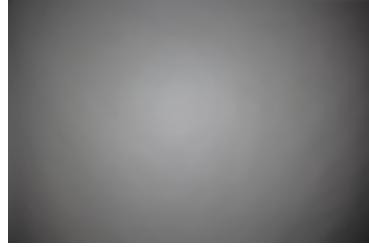
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR	LED SEOUL 5630C FWHM 87.0 + 81.0° Efficiency 74 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14453_FLORENCE-3R-SHD-GR		
 SEOUL SEMICONDUCTOR	LED SEOUL 5630C FWHM 90.0° Efficiency 91 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED SEOUL 5630C FWHM 89.0 + 83.0° Efficiency 86 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14646_FLORENCE-3R-SHD-WHT		
 SEOUL SEMICONDUCTOR	LED SEOUL DC 3030 FWHM 90.0° Efficiency 93 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED LLE G2 55x280mm 2000lm
FWHM 91.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 5050 Round LES

FWHM 90.0°

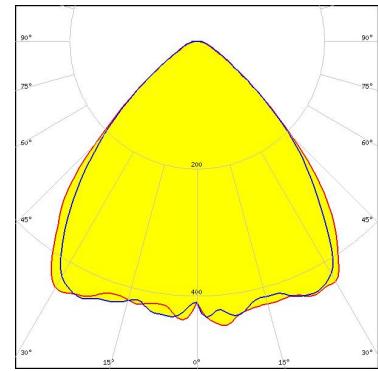
Efficiency 91 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED NF2x757G

FWHM 90.0°

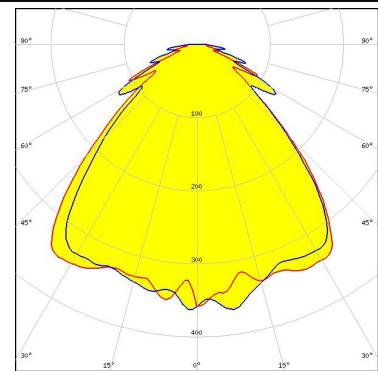
Efficiency 80 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED NFMW48xA

FWHM 89.0°

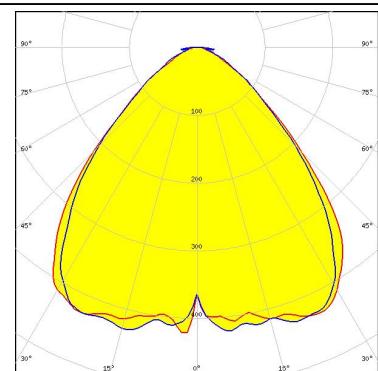
Efficiency 92 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED NFSx757G

FWHM 86.0 + 90.0°

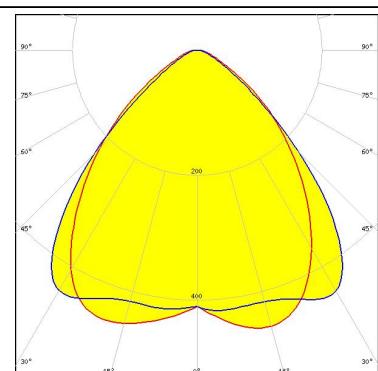
Efficiency 92 %

Peak intensity 0.5 cd/lm

LEDs/each optic 2

Light colour White

Required components:

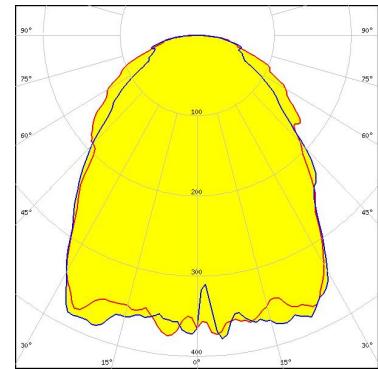


PHOTOMETRIC DATA (SIMULATED):



LED	NVSxE21A
FWHM	90.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

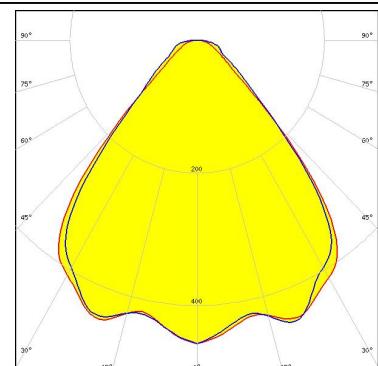


OSRAM

Opto Semiconductors

LED	Duris E 2835
FWHM	85.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

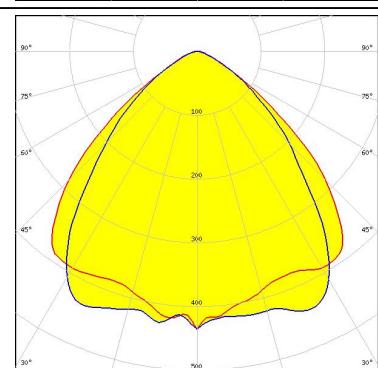


OSRAM

Opto Semiconductors

LED	Duris E 2835
FWHM	86.0 + 87.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	2
Light colour	White

Required components:

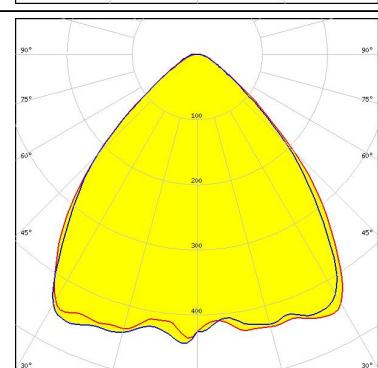


OSRAM

Opto Semiconductors

LED	Duris S8
FWHM	83.0°
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



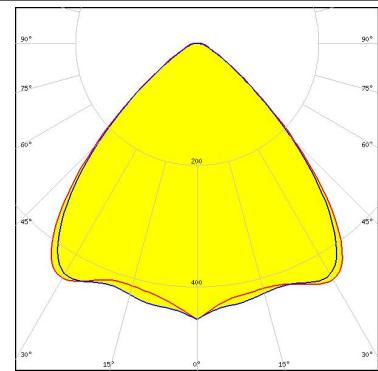
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LM28xB Series
FWHM 90.0°

Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

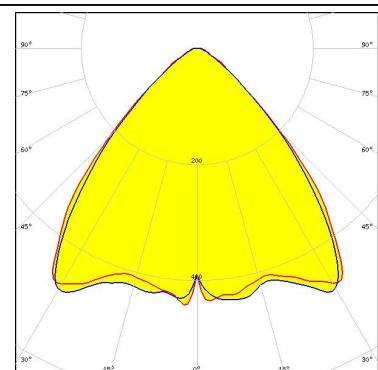
Required components:



SAMSUNG

LED LM301B
FWHM 88.0°
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

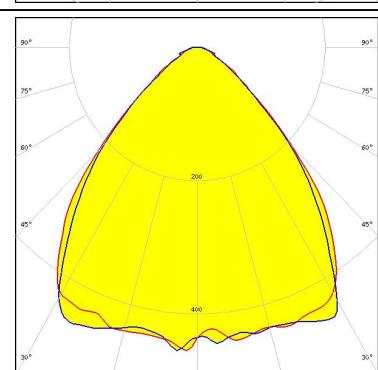
Required components:



SAMSUNG

LED LM301B
FWHM 88.0°
Efficiency 91 %
Peak intensity 0.5 cd/lm
LEDs/each optic 2
Light colour White

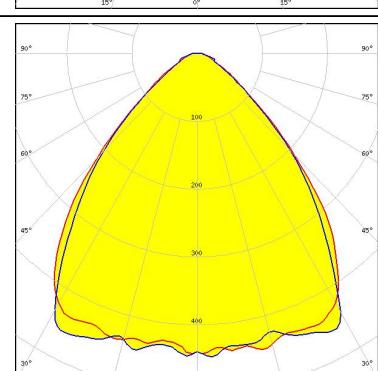
Required components:



SAMSUNG

LED LM302Z plus
FWHM 87.0°
Efficiency 91 %
Peak intensity 0.5 cd/lm
LEDs/each optic 2
Light colour White

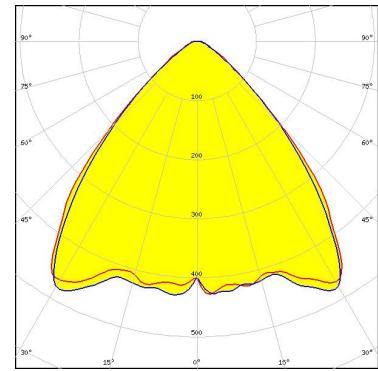
Required components:



PHOTOMETRIC DATA (SIMULATED):

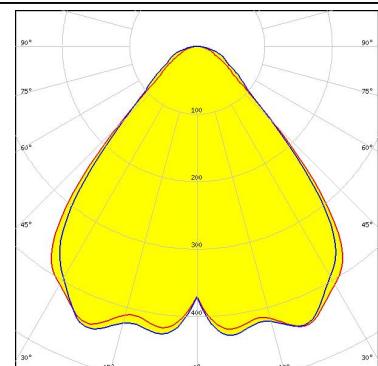
SAMSUNG

LED LM302Z plus
 FWHM 87.0°
 Efficiency 92 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



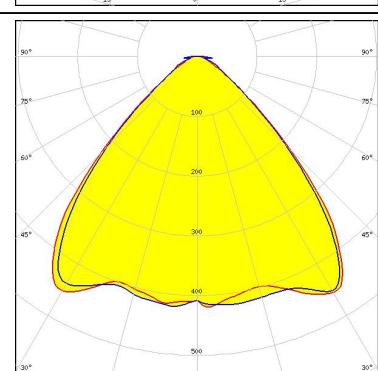
SEOUL SEMICONDUCTOR

LED SEOUL 5630D
 FWHM 83.0°
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



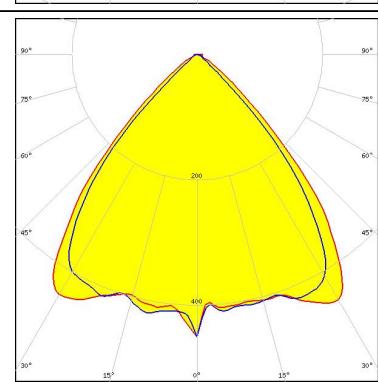
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C
 FWHM 89.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

LED LLE G2 55x280mm 2000lm
 FWHM 85.0 + 81.0°
 Efficiency 77 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14592_FLORENCE-3R-SHD-BLK



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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