

FLORENCE-Z60

~60° wide beam. Ideal for retail and industrial lighting. Can be used for general office lighting with shade.

TECHNICAL SPECIFICATIONS:

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

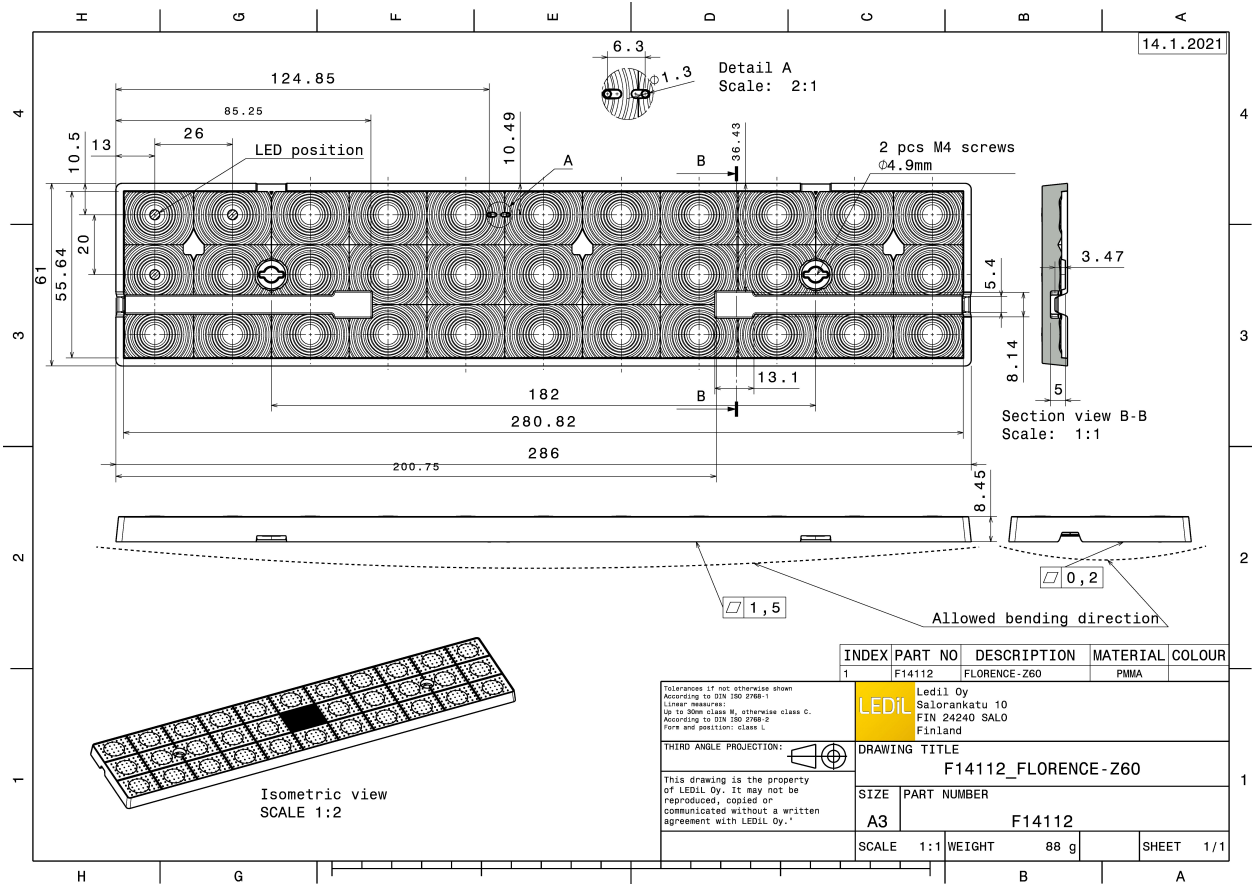
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLORENCE-Z60	Linear lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14112_FLORENCE-Z60	72	18	6	7.3
» Box size: 398 x 298 x 140 mm				



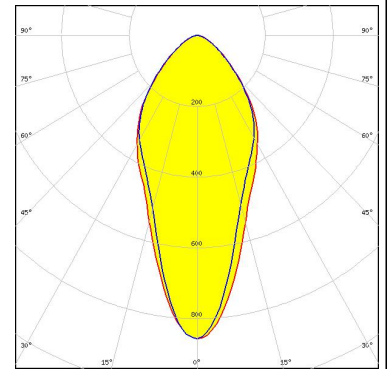


See also our general installation guide: www.ledil.com/installation_guide

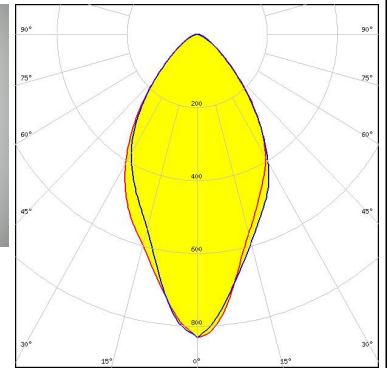
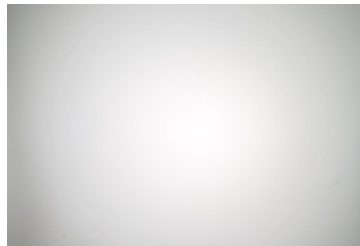
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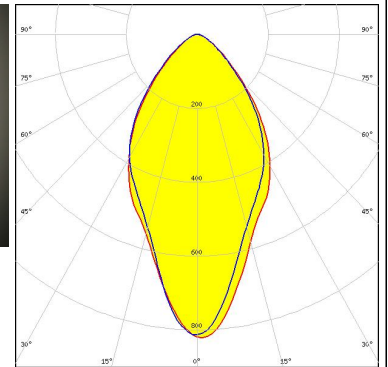
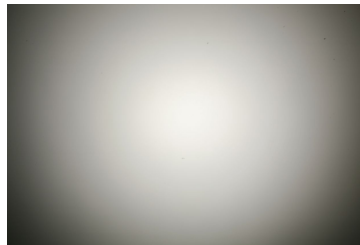
LED XH-B/G
FWHM / FWTM 43.0° / 111.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



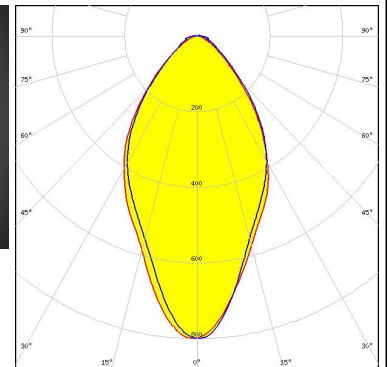
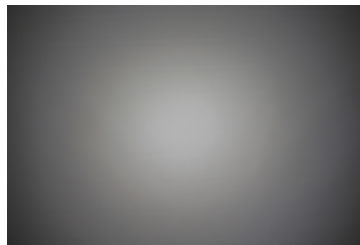
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 57.0° / 107.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3535 2D
FWHM / FWTM 57.0° / 108.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



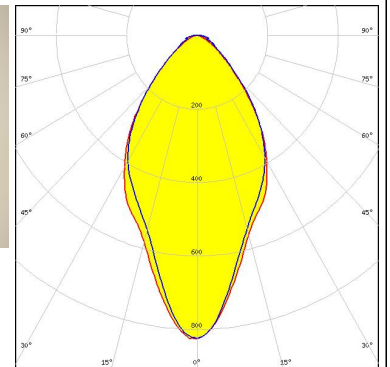
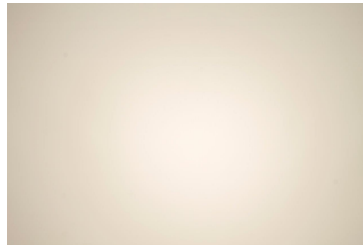
LED LUXEON 3535L HE
FWHM / FWTM 58.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



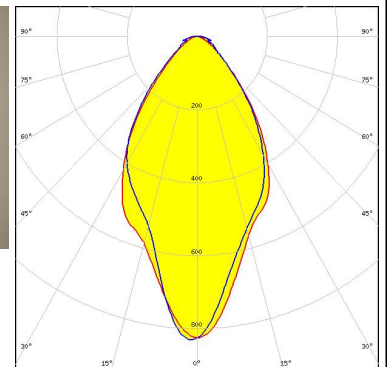
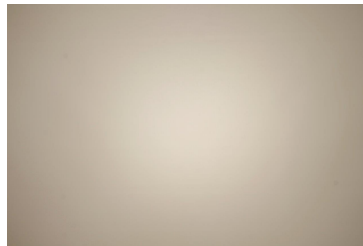
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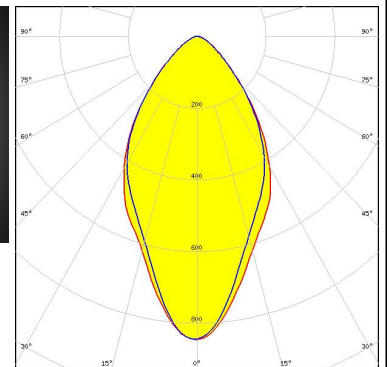
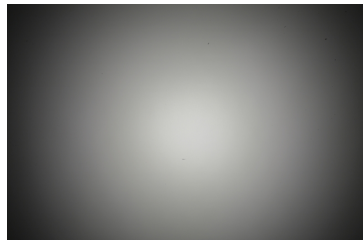
LED LUXEON XR-3535L (L202 - xxxx033C30001)
 FWHM / FWTM 59.0° / 108.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



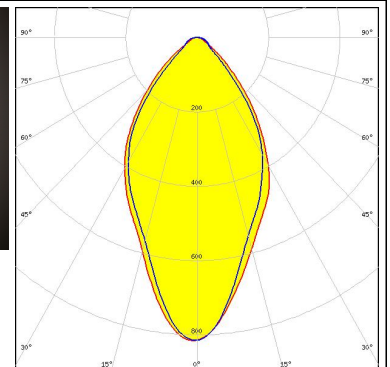
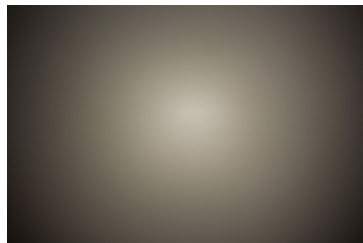
LED MP-2016
 FWHM / FWTM 58.0° / 105.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NF2x757D
 FWHM / FWTM 58.0° / 107.0°
 Efficiency 92 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



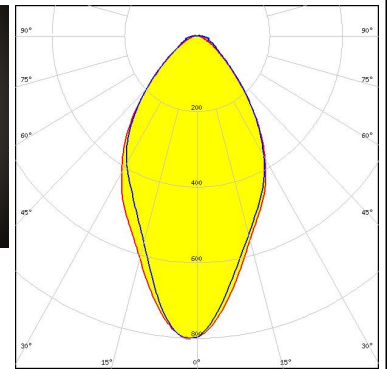
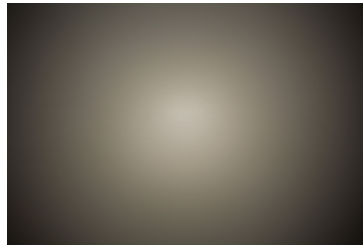
LED NFSW757H
 FWHM / FWTM 59.0 + 55.0° / 107.0 + 98.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14646_FLORENCE-3R-SHD-WHT



PHOTOMETRIC DATA (MEASURED):

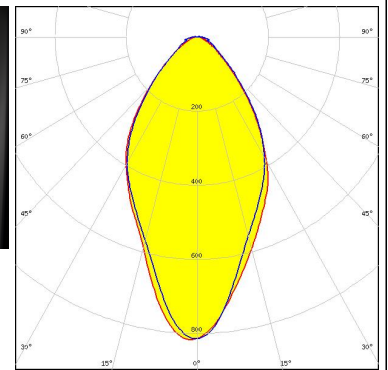
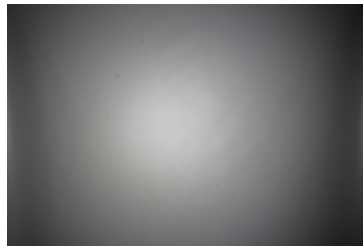


LED NFSW757H
FWHM / FWTM 58.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



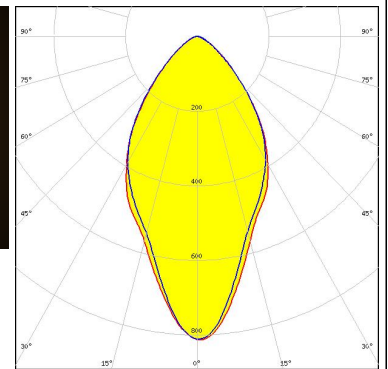
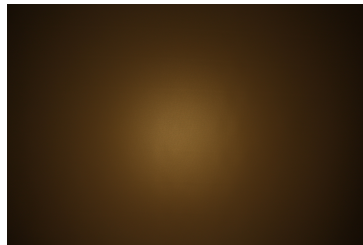
OSRAM

LED PL-BAR-G3 1100 280x55
FWHM / FWTM 57.0° / 109.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

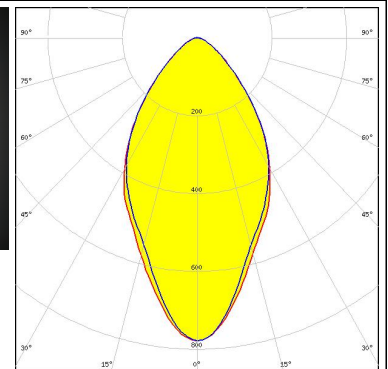
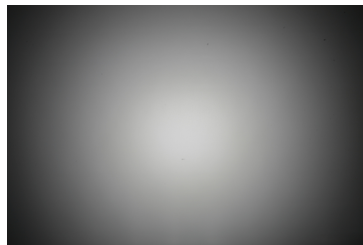
LED PLG2-BAR-1100-xxx-280x55-DC
FWHM / FWTM 57.0° / 108.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED Duris E5
FWHM / FWTM 59.0° / 109.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

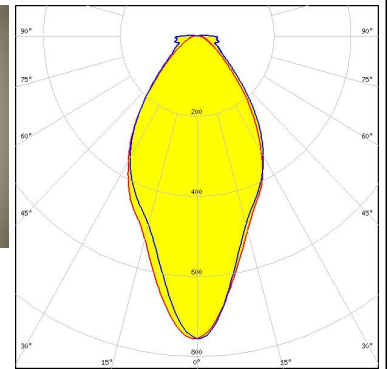


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

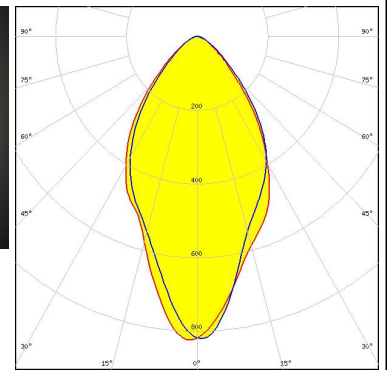
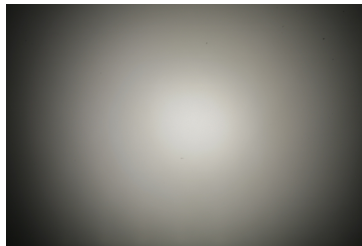
LED Duris S2
FWHM / FWTM 55.0° / 111.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

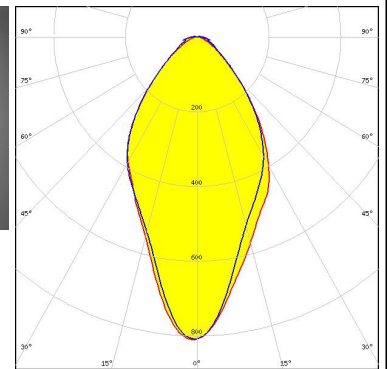
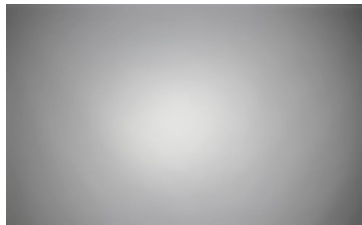
LED Duris S5 (Single chip)
FWHM / FWTM 58.0° / 107.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

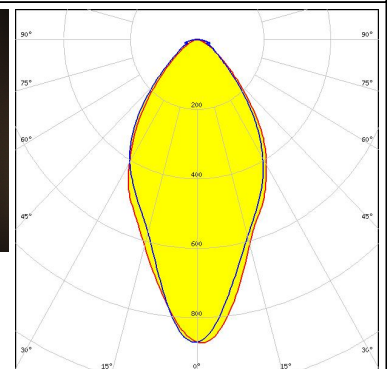
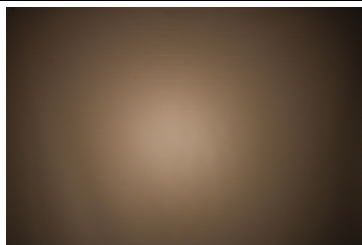
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 56.0° / 111.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

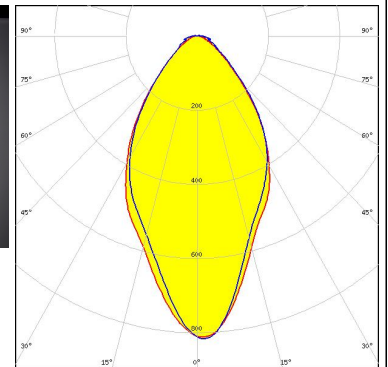
LED Fortimo LED Line VO 1ft MF 3R HV5
FWHM / FWTM 55.0° / 107.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

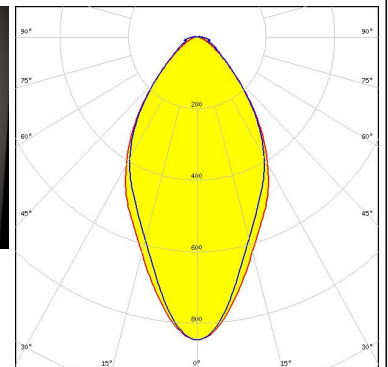
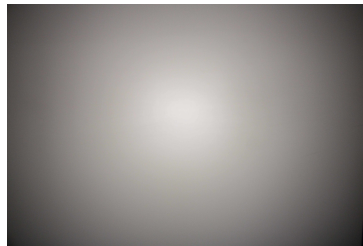
PHILIPS

LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4
 FWHM / FWTM 58.0° / 108.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



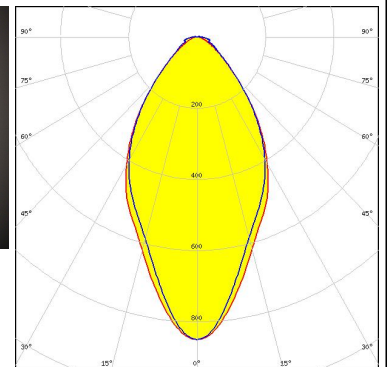
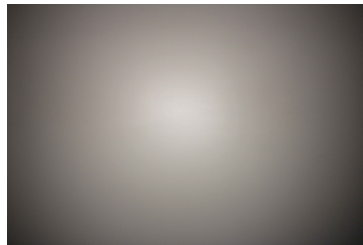
PHILIPS

LED Fortimo LED Line 1ft HF 3R HV5
 FWHM / FWTM 56.0° / 107.0°
 Efficiency 95 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



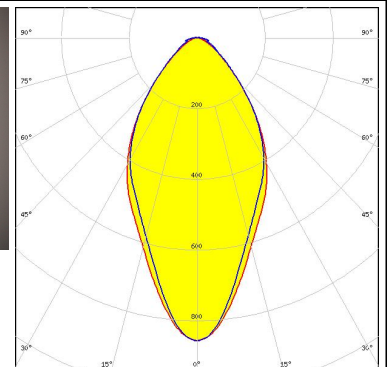
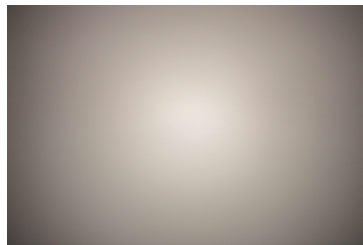
PHILIPS

LED Fortimo LED Line 1ft LF 3R HV5 & LV5
 FWHM / FWTM 57.0° / 107.0°
 Efficiency 95 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

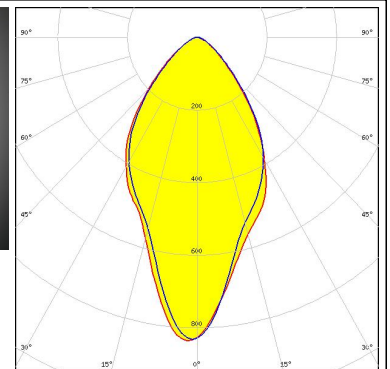
LED Fortimo LED Line 1ft MF 3R HV5 & LV5
 FWHM / FWTM 56.0° / 108.0°
 Efficiency 95 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

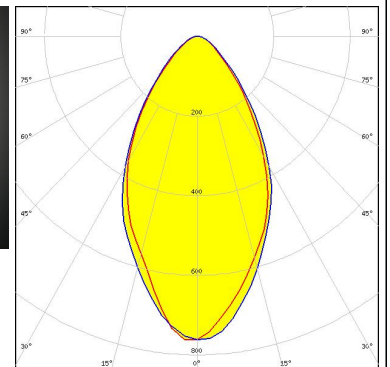
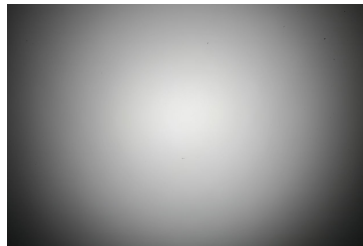
SAMSUNG

LED LM231 A/B
FWHM / FWTM 56.0° / 107.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



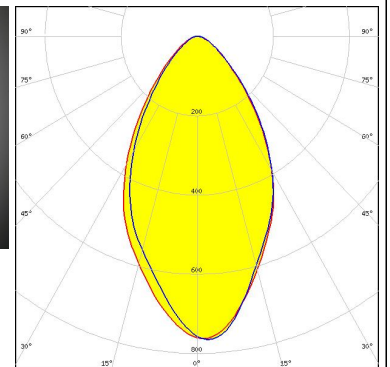
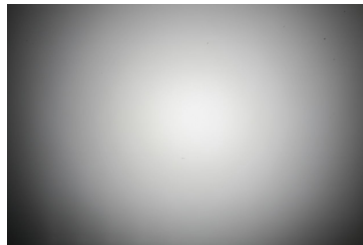
SAMSUNG

LED LM362A
FWHM / FWTM 59.0° / 107.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



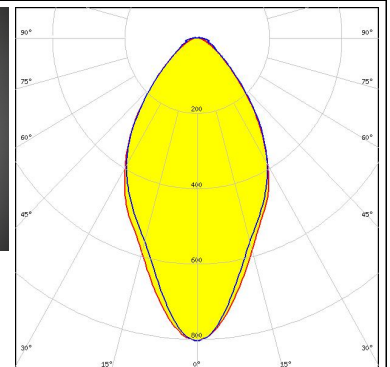
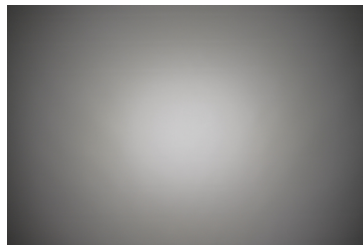
SAMSUNG

LED LM561B
FWHM / FWTM 59.0° / 108.0°
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

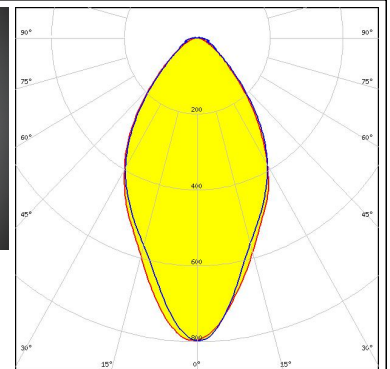
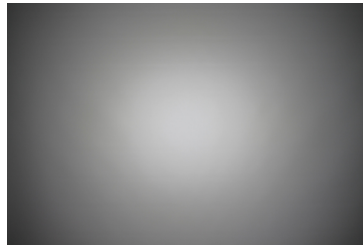
LED LM561B Plus
FWHM / FWTM 59.0° / 109.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

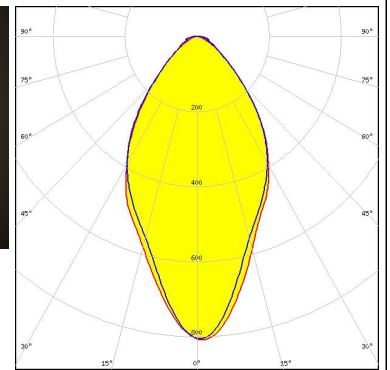
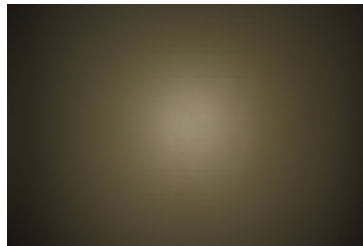
SAMSUNG

LED LM561C
FWHM / FWTM 59.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

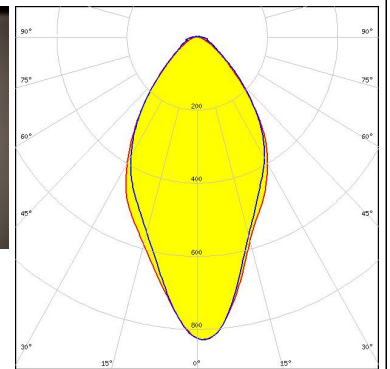
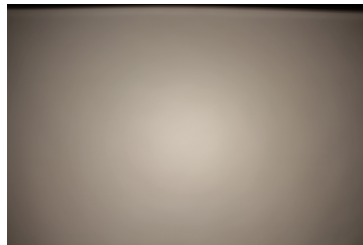


SAMSUNG

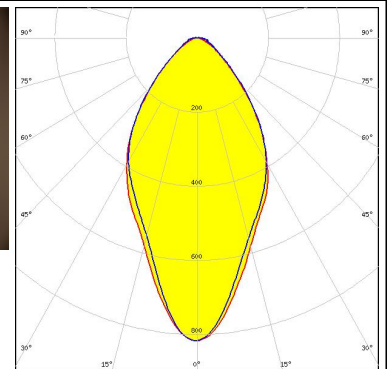
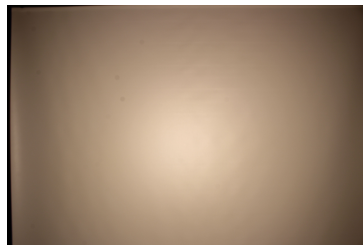
LED LT-R286A
FWHM / FWTM 58.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



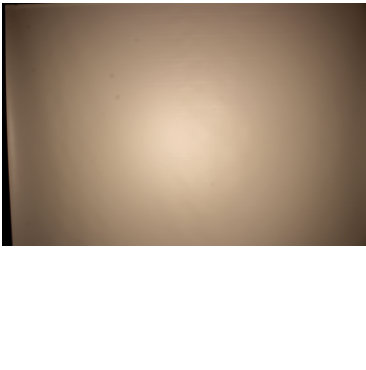
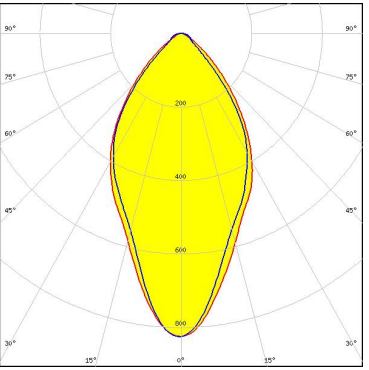
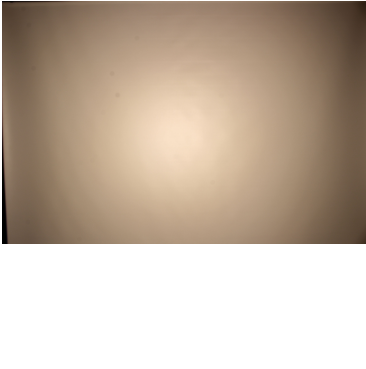
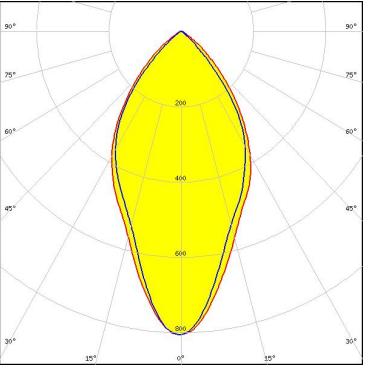
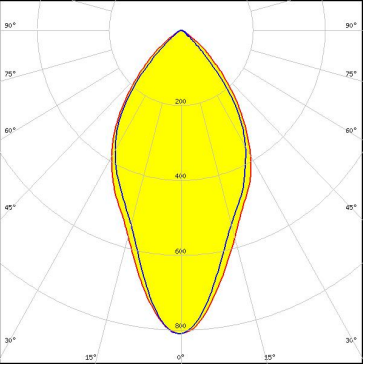
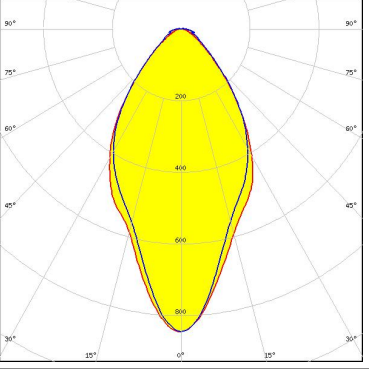
SEOUL SEMICONDUCTOR
LED SEOUL 3030
FWHM / FWTM 56.0° / 108.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR
LED SEOUL 5630C
FWHM / FWTM 57.0° / 109.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



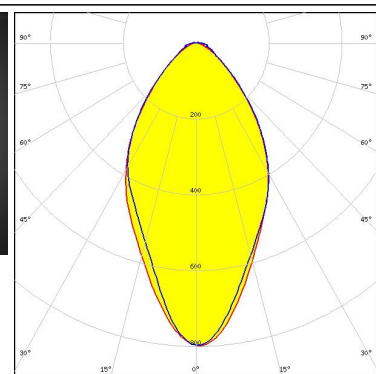
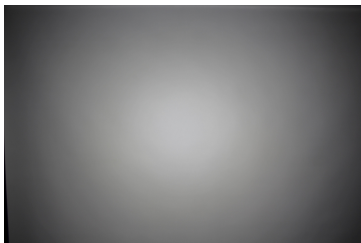
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR LED: SEOUL 5630C FWHM / FWTM: 58.0 + 54.0° / 106.0 + 97.0° Efficiency: 88 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14646_FLORENCE-3R-SHD-WHT		
SEOUL SEMICONDUCTOR LED: SEOUL 5630C FWHM / FWTM: 57.0 + 52.0° / 103.0 + 94.0° Efficiency: 78 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14592_FLORENCE-3R-SHD-BLK		
SEOUL SEMICONDUCTOR LED: SEOUL 5630C FWHM / FWTM: 57.0 + 53.0° / 104.0 + 95.0° Efficiency: 80 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14453_FLORENCE-3R-SHD-GR		
SEOUL SEMICONDUCTOR LED: SEOUL DC 3030 FWHM / FWTM: 59.0 + 55.0° / 106.0 + 108.0° Efficiency: 93 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:		

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

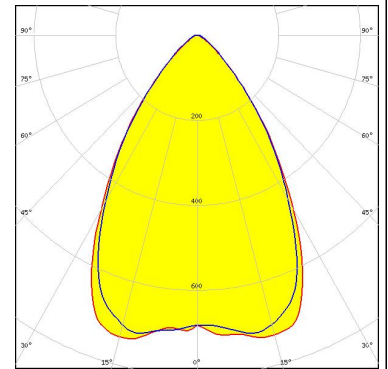
LED LLE G2 55x280mm 2000lm
 FWHM / FWTM 58.0° / 111.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



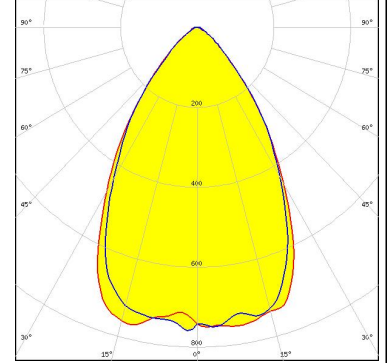
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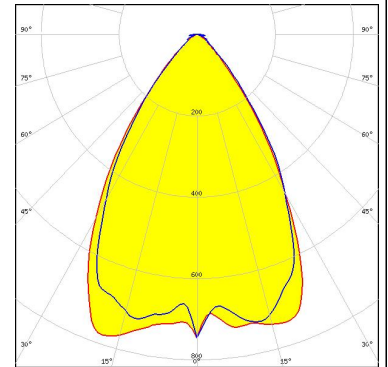
LED J Series 5050 Round LES
 FWHM / FWTM 68.0° / 101.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



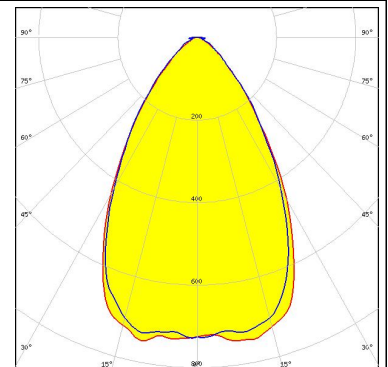
LED LUXEON 5050 Round LES
 FWHM / FWTM 65.0° / 101.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NF2x757G
 FWHM / FWTM 62.0° / 94.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



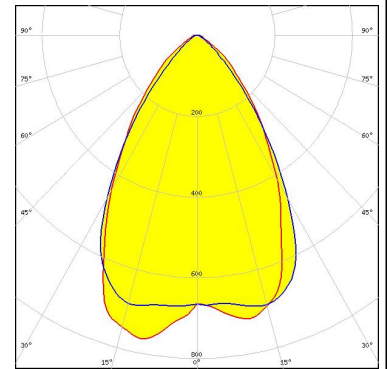
LED NFMW48xA
 FWHM / FWTM 64.0° / 105.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



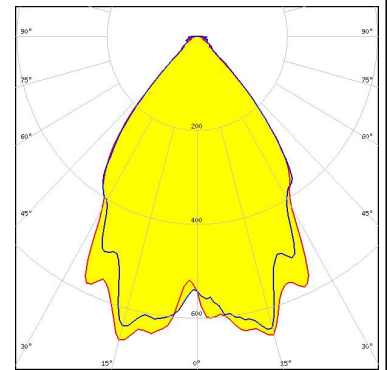
PHOTOMETRIC DATA (SIMULATED):



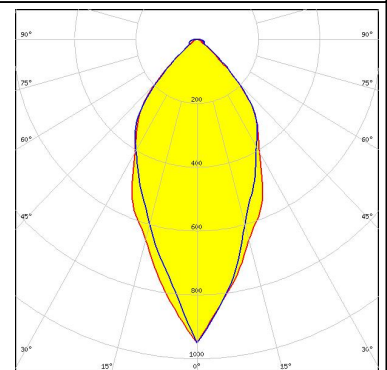
LED NFSx757G
 FWHM / FWTM 63.0 + 68.0° / 110.0 + 100.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 2
 Light colour White
 Required components:



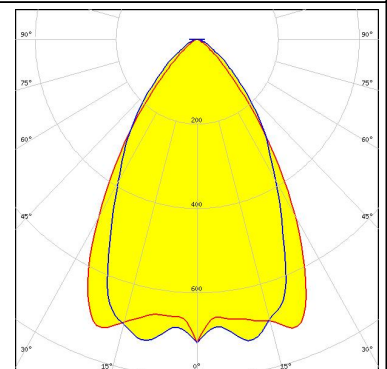
LED NVSxE21A
 FWHM / FWTM 70.0° / 94.0°
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Duris E 2835
 FWHM / FWTM 50.0° / 99.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Duris E 2835
 FWHM / FWTM 68.0 + 57.0° / 100.0 + 97.0°
 Efficiency 92 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 2
 Light colour White
 Required components:

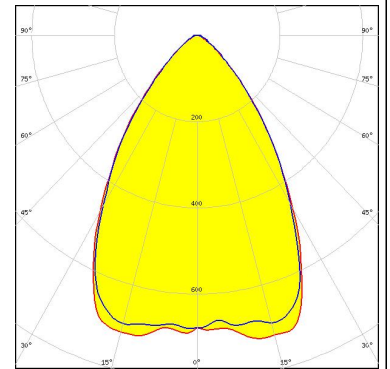


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

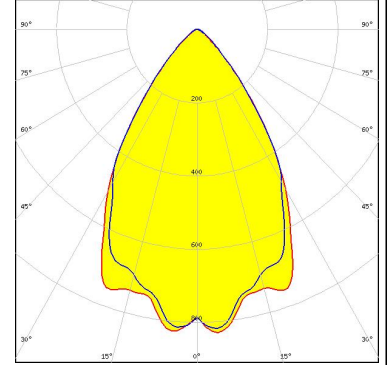
LED Duris S8
FWHM / FWTM 70.0° / 106.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

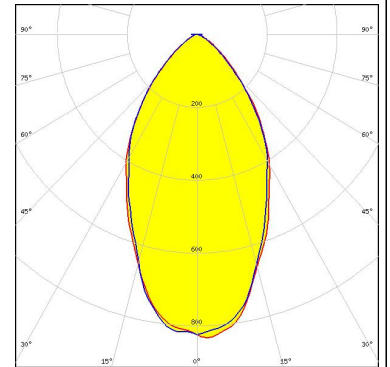
Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM 66.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



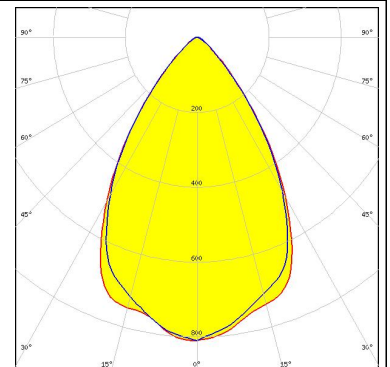
SAMSUNG

LED LH351D
FWHM / FWTM 59.0° / 106.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

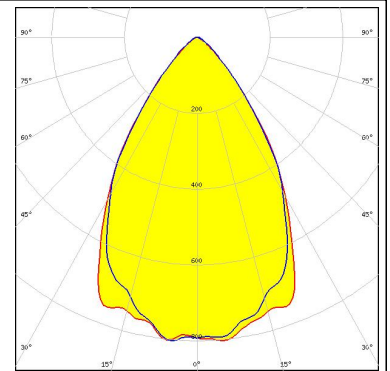
LED LM28xB Series
FWHM / FWTM 66.0° / 97.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

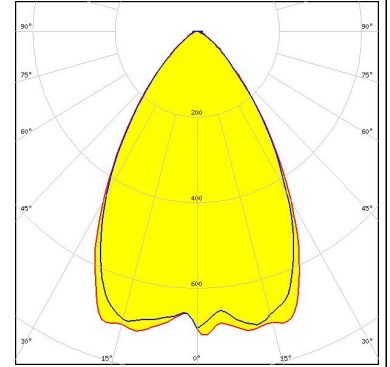
SAMSUNG

LED LM301B
FWHM / FWTM 66.0° / 98.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



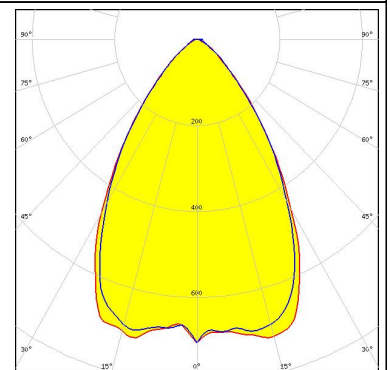
SAMSUNG

LED LM301B
FWHM / FWTM 68.0° / 106.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 2
Light colour White
Required components:



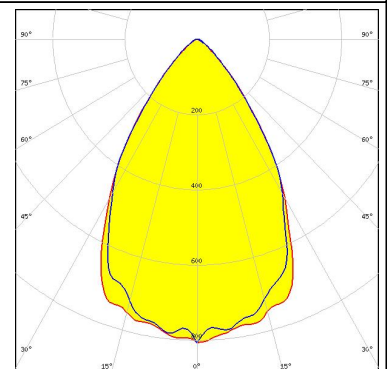
SAMSUNG

LED LM302Z plus
FWHM / FWTM 68.0° / 105.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 2
Light colour White
Required components:

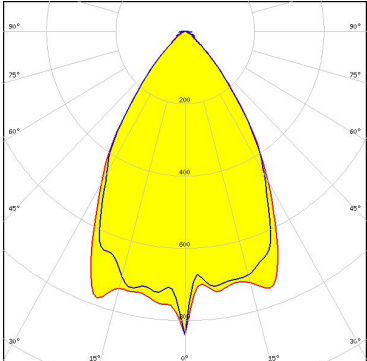
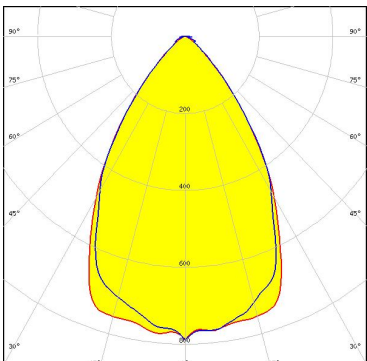
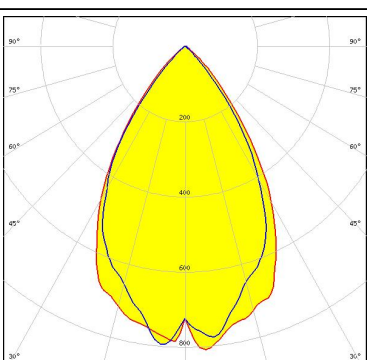


SAMSUNG

LED LM302Z plus
FWHM / FWTM 66.0° / 98.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR LED: SEOUL 5630D FWHM / FWTM: 65.0° / 95.0° Efficiency: 91 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEMICONDUCTOR LED: SEOUL DC 3030C FWHM / FWTM: 66.0° / 98.0° Efficiency: 95 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEMICONDUCTOR LED: Z8Y22 FWHM / FWTM: 62.0° / 100.0° Efficiency: 93 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
TRIDONIC LED: LLE G2 55x280mm 2000lm FWHM / FWTM: 65.0 + 62.0° / 95.0 + 89.0° Efficiency: 84 % Peak intensity: 0.8 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:

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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