FLORENCE-Z90

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

TECHNICAL SPECIFICATIONS:

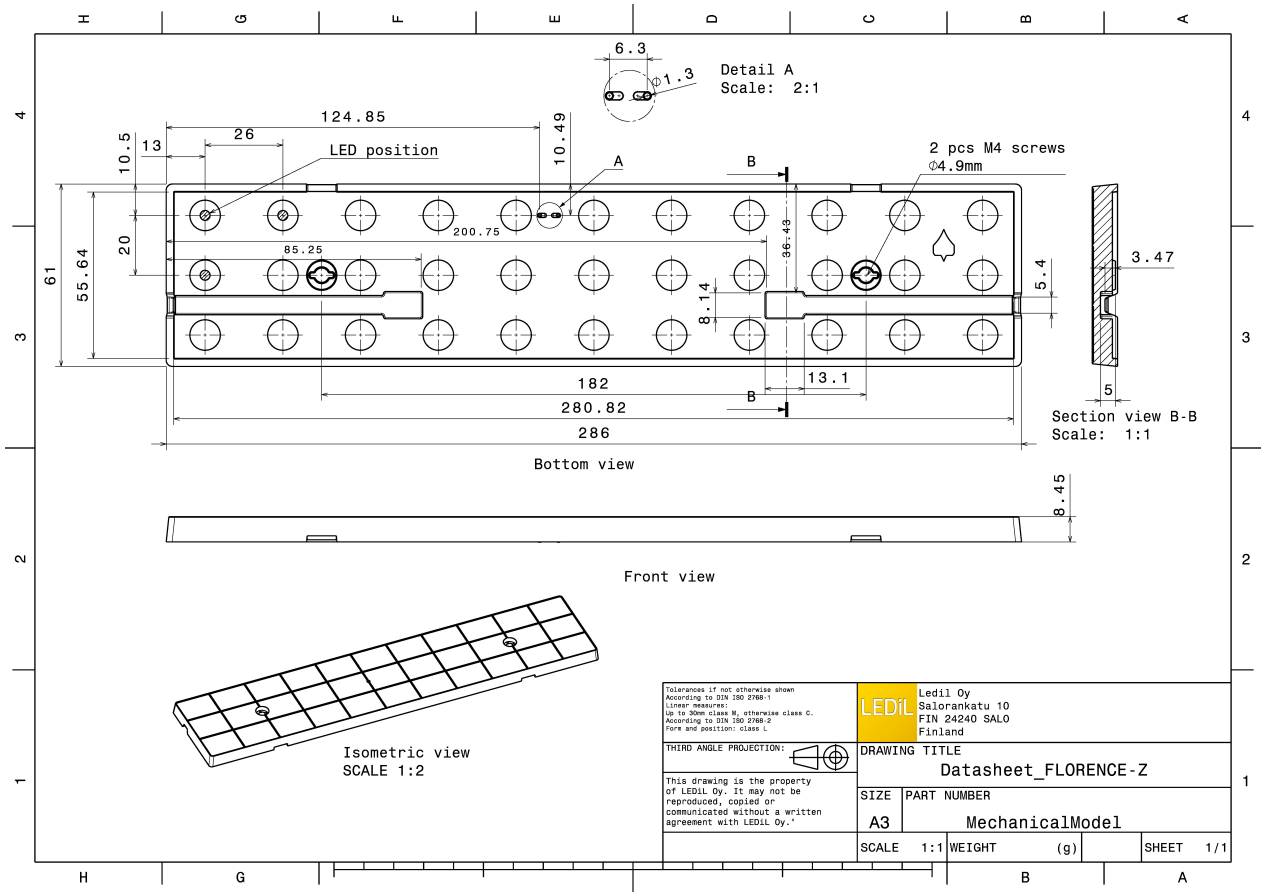
Dimensions	61.0 x 286.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes

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 » Box size: 398 x 298 x 140 mm	72	18	6	7.8

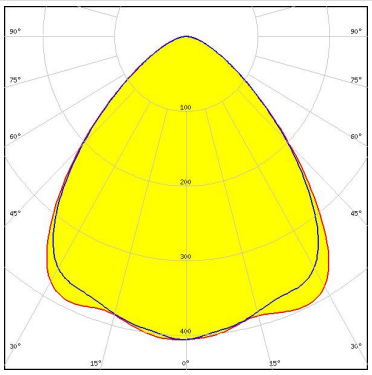


PHOTOMETRIC DATA (MEASURED):

COMET ELECTRONICS

LED	TRIDINO R3 8x0 1100 1ft HV
FWHM	92.0°
Efficiency	87 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

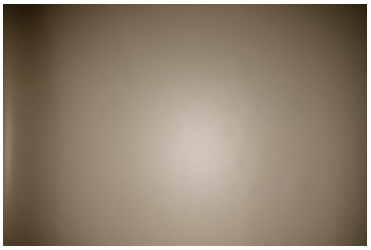
Required components:

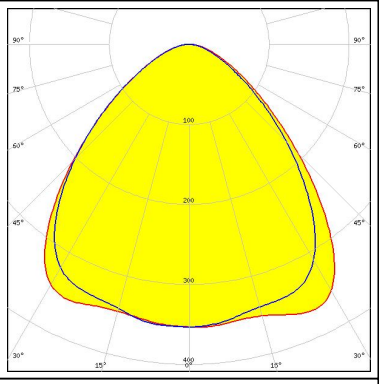


CREE

LED	XH-B/G
FWHM	95.0°
Efficiency	82 %
Peak intensity	0.370 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

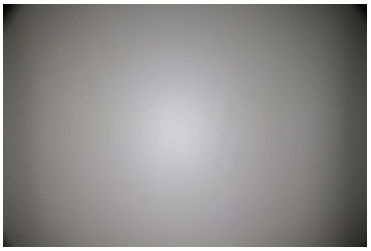


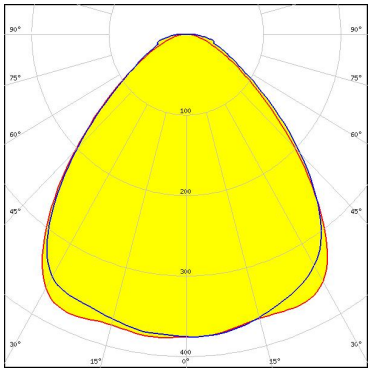


LG Innotek

LED	LG 5630
FWHM	93.0°
Efficiency	87 %
Peak intensity	0.390 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



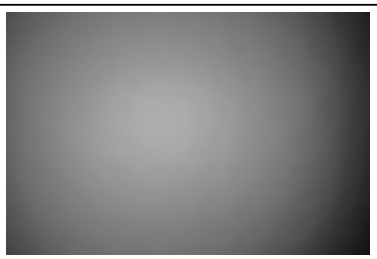


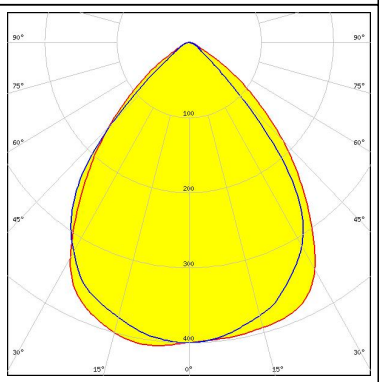
LG Innotek

LED	LG 6030
FWHM	83.0°
Efficiency	70 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14592_FLORENCE-3R-SHD-BLK



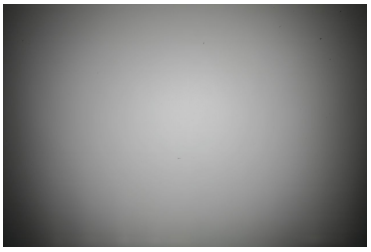


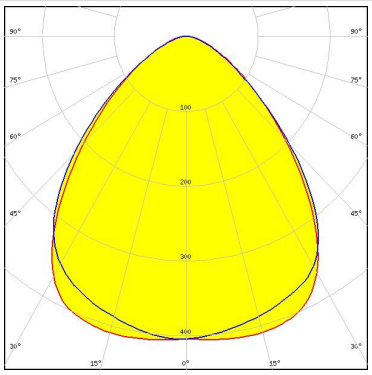
PHOTOMETRIC DATA (MEASURED):

LG Innotek

LED	LG 6030
FWHM	92.0°
Efficiency	88 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



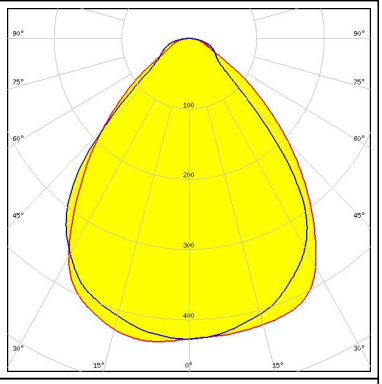


LG Innotek

LED	LG 6030
FWHM	85.0°
Efficiency	84 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14646_FLORENCE-3R-SHD-WHT

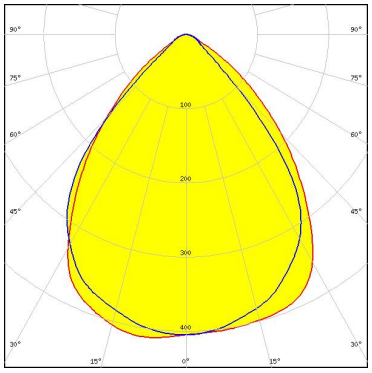


LG Innotek

LED	LG 6030
FWHM	83.0°
Efficiency	72 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

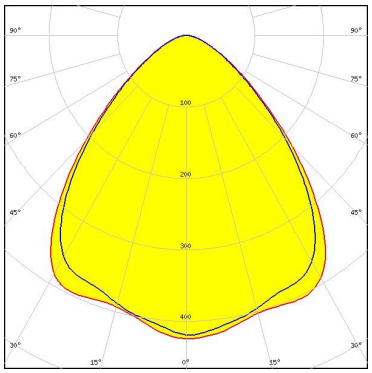
C14453_FLORENCE-3R-SHD-GR



LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM	91.0°
Efficiency	87 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

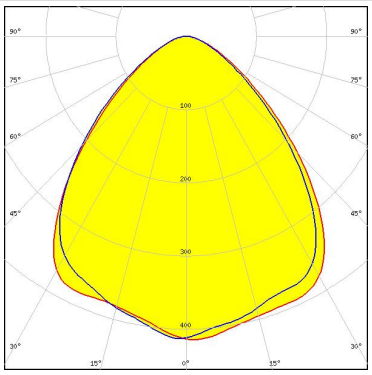
Required components:



PHOTOMETRIC DATA (MEASURED):

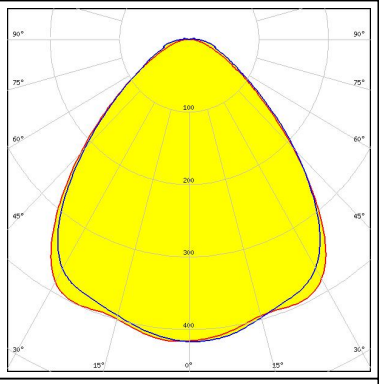
LUMILEDS

LED	LUXEON 3535 2D
FWHM	92.0°
Efficiency	87 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



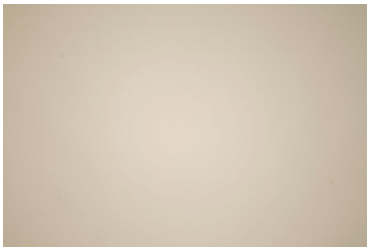
LUMILEDS

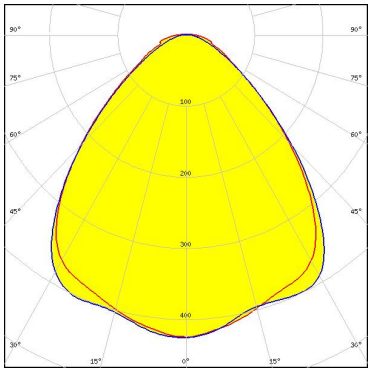
LED	LUXEON 3535L HE
FWHM	92.0°
Efficiency	93 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

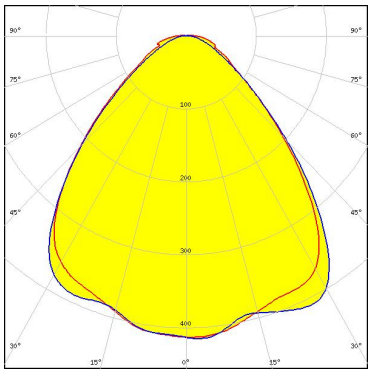
LED	LUXEON XR-3535L (L202 - xxxx033C30001)
FWHM	91.0°
Efficiency	93 %
Peak intensity	0.430 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





LUMINUS

LED	MP-2016
FWHM	90.0°
Efficiency	91 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

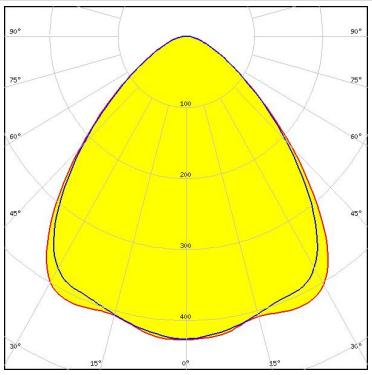


PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757D
FWHM	92.0°
Efficiency	90 %
Peak intensity	0.430 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

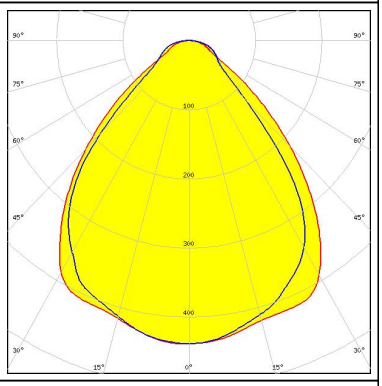


NICHIA

LED	NFSW757H
FWHM	90.0 + 83.0°
Efficiency	87 %
Peak intensity	0.439 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

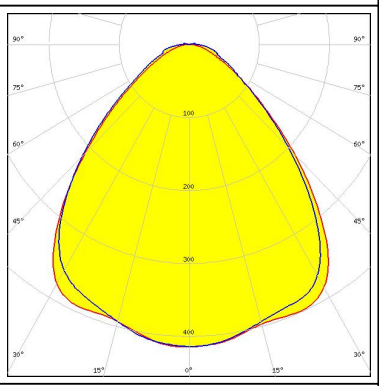
C14646_FLORENCE-3R-SHD-WHT



NICHIA

LED	NFSW757H
FWHM	91.0 + 90.0°
Efficiency	92 %
Peak intensity	0.415 cd/lm
LEDs/each optic	1
Light colour	White

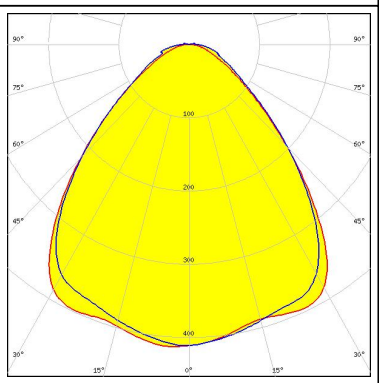
Required components:



OSRAM

LED	PL-BAR-G3 1100 280x55
FWHM	90.0°
Efficiency	92 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

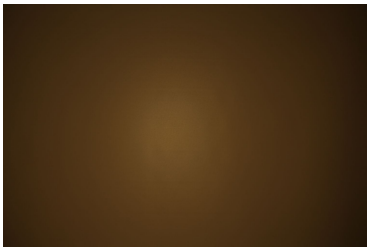
Required components:

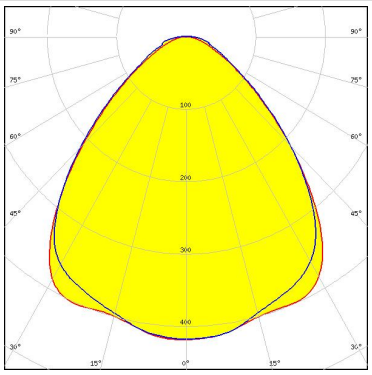


PHOTOMETRIC DATA (MEASURED):

OSRAM

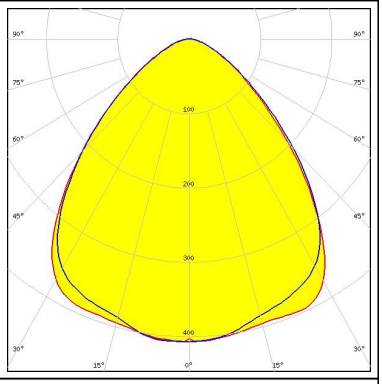
LED	PLG2-BAR-1100-xxx-280x55-DC
FWHM	92.0°
Efficiency	92 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





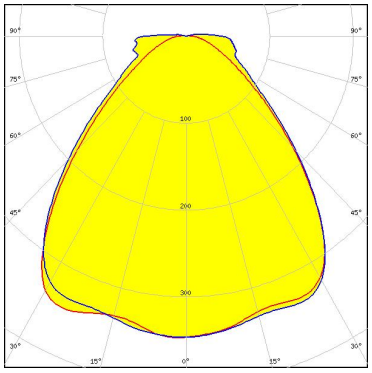
OSRAM Opto Semiconductors

LED	Duris E5
FWHM	92.0°
Efficiency	88 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



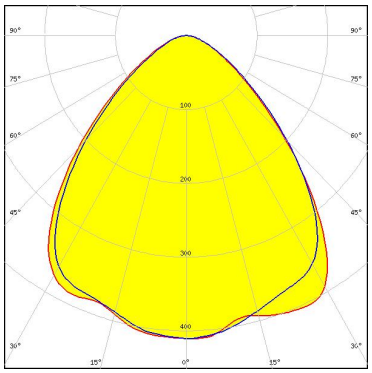
OSRAM Opto Semiconductors

LED	Duris S2
FWHM	95.0°
Efficiency	90 %
Peak intensity	0.350 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

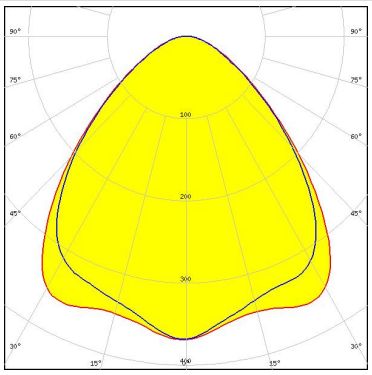
LED	Duris S5 (Single chip)
FWHM	91.0°
Efficiency	88 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

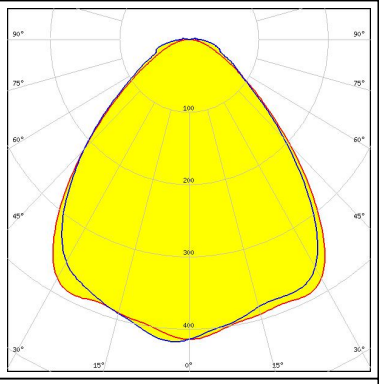
OSRAM
Opto Semiconductors

LED	OSCONIQ P 2226
FWHM	94.0°
Efficiency	83 %
Peak intensity	0.370 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



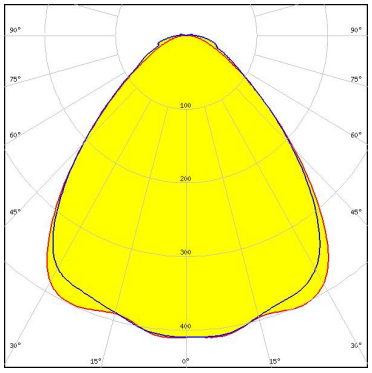
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	91.0°
Efficiency	93 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



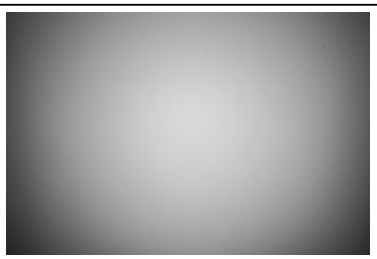
PHILIPS

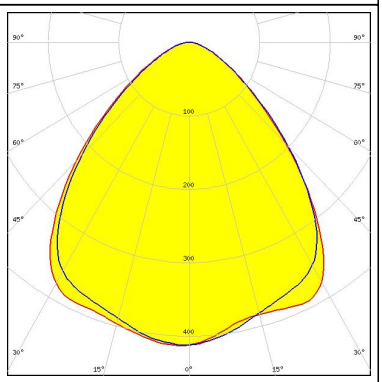
LED	Fortimo LED Line 1ft 650lm 3R HV4 & LV4
FWHM	90.0°
Efficiency	93 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM231 A/B
FWHM	91.0°
Efficiency	88 %
Peak intensity	0.414 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



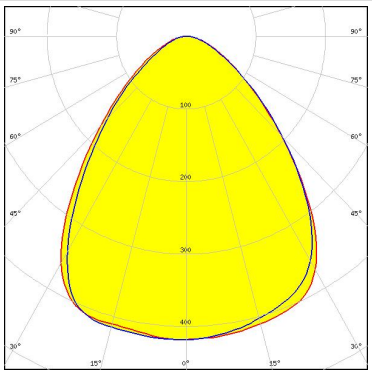


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LM561B
FWHM	86.0°
Efficiency	85 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

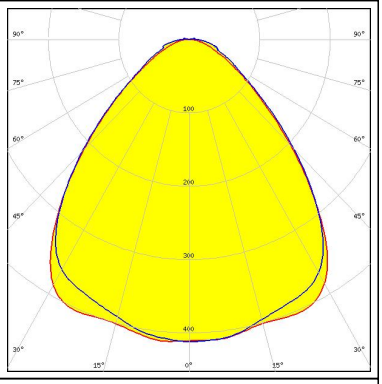
Required components:



SAMSUNG

LED	LM561B Plus
FWHM	92.0°
Efficiency	93 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

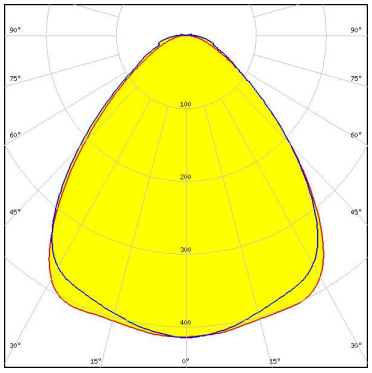
Required components:



SAMSUNG

LED	LM561C
FWHM	92.0°
Efficiency	93 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

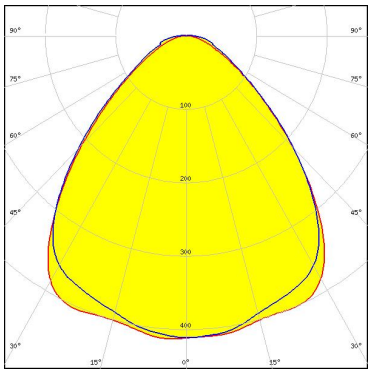
Required components:



SAMSUNG

LED	LT-R286A
FWHM	93.0°
Efficiency	93 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

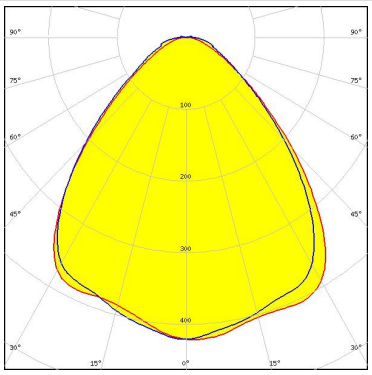


PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM	91.0°
Efficiency	91 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

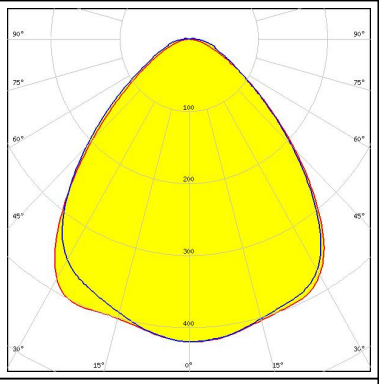
Required components:



SEOUL SEMICONDUCTOR

LED	SEOUL 5630C
FWHM	90.0°
Efficiency	91 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

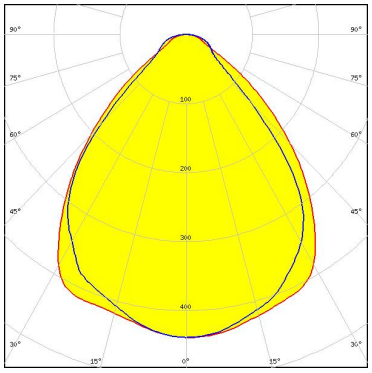


SEOUL SEMICONDUCTOR

LED	SEOUL 5630C
FWHM	89.0 + 83.0°
Efficiency	86 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14646_FLORENCE-3R-SHD-WHT

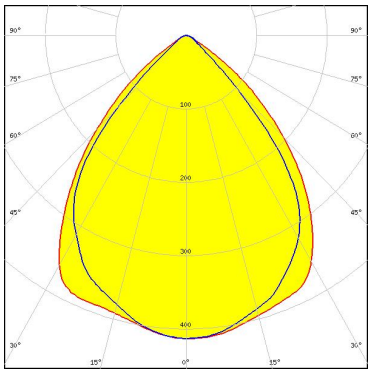


SEOUL SEMICONDUCTOR

LED	SEOUL 5630C
FWHM	87.0 + 81.0°
Efficiency	71 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14592_FLORENCE-3R-SHD-BLK

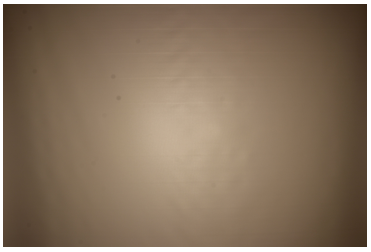


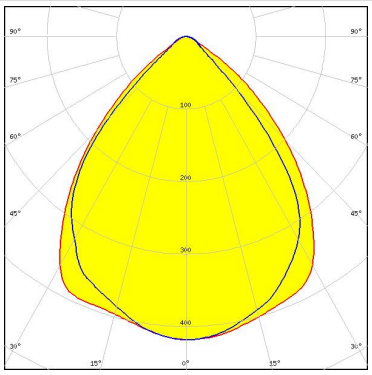
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	SEOUL 5630C
FWHM	87.0 + 81.0°
Efficiency	74 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14453_FLORENCE-3R-SHD-GR

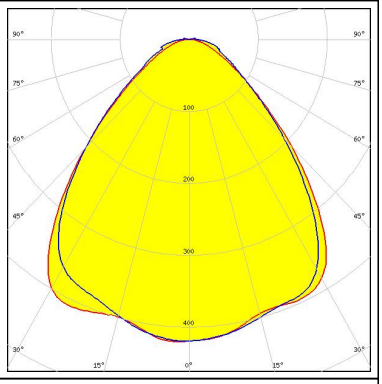




SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM	90.0°
Efficiency	93 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

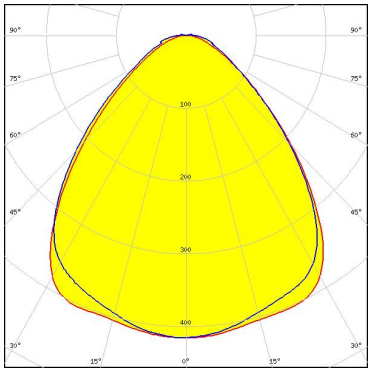
Required components:



TRIDONIC

LED	LLE G2 55x280mm 2000lm
FWHM	91.0°
Efficiency	93 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White

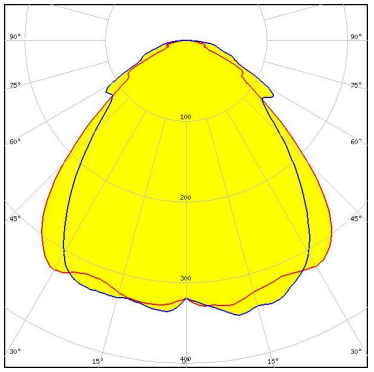
Required components:



PHOTOMETRIC DATA (SIMULATED):

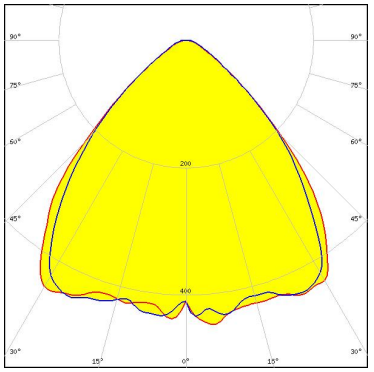
LG Innotek

LED	LG 7030
FWHM	91.0°
Efficiency	%
Peak intensity	0.320 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



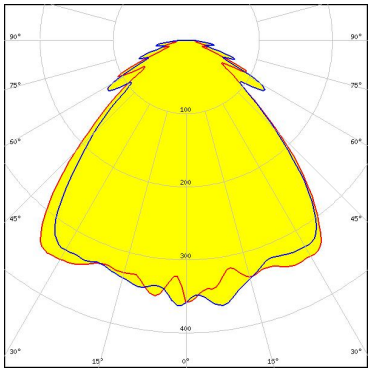
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	90.0°
Efficiency	91 %
Peak intensity	0.460 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



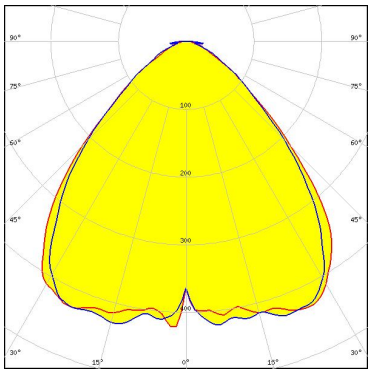
NICHIA

LED	NF2x757G
FWHM	90.0°
Efficiency	80 %
Peak intensity	0.370 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

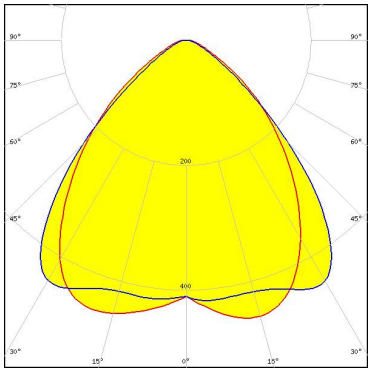
LED	NFMW48xA
FWHM	89.0°
Efficiency	92 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

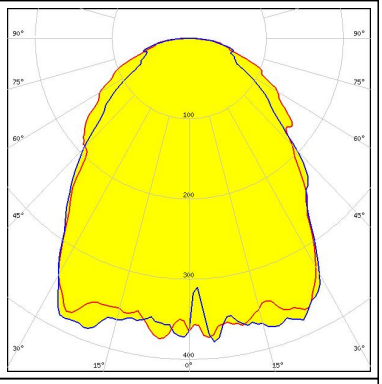
NICHIA

LED	NFSx757G
FWHM	86.0 + 90.0°
Efficiency	92 %
Peak intensity	0.458 cd/lm
LEDs/each optic	2
Light colour	White
Required components:	



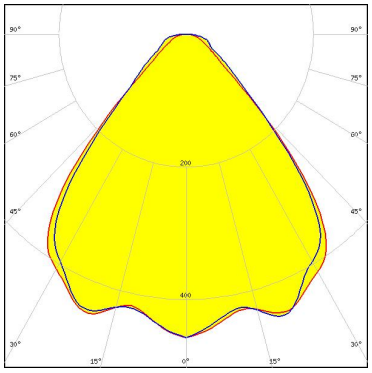
NICHIA

LED	NVSxE21A
FWHM	90.0°
Efficiency	94 %
Peak intensity	0.390 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



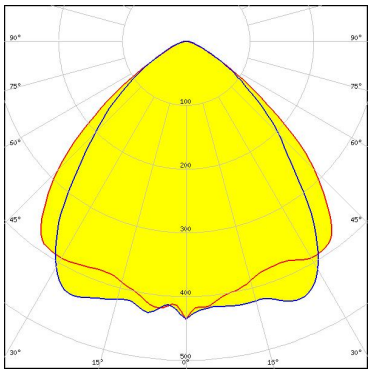
OSRAM
Opto Semiconductors

LED	Duris E 2835
FWHM	85.0°
Efficiency	87 %
Peak intensity	0.460 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

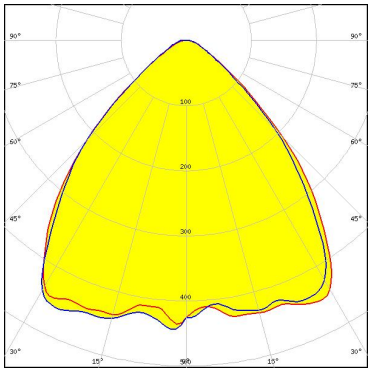
LED	Duris E 2835
FWHM	86.0 + 87.0°
Efficiency	92 %
Peak intensity	0.400 cd/lm
LEDs/each optic	2
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

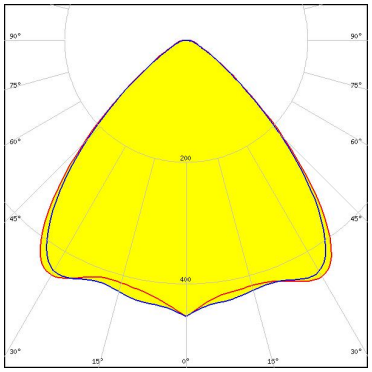
OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	83.0°
Efficiency	91 %
Peak intensity	0.470 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



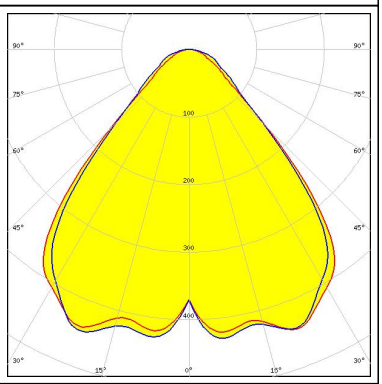
SAMSUNG

LED	LM28xB Series
FWHM	90.0°
Efficiency	93 %
Peak intensity	0.450 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



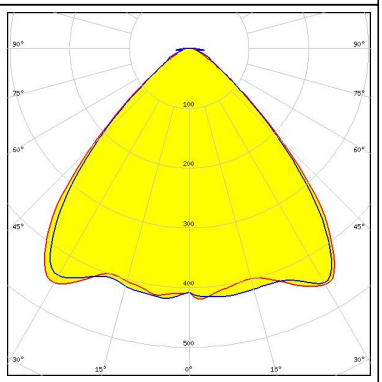
SEOUL SEMICONDUCTOR

LED	SEOUL 5630D
FWHM	83.0°
Efficiency	84 %
Peak intensity	0.450 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM	89.0°
Efficiency	94 %
Peak intensity	0.457 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



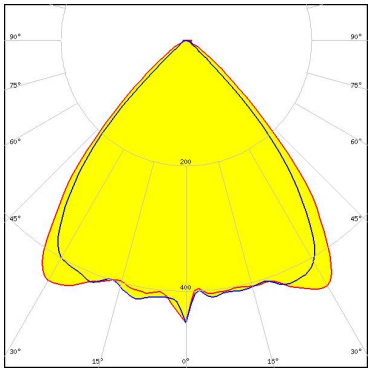
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED	LLE G2 55x280mm 2000lm
FWHM	85.0 + 81.0°
Efficiency	77 %
Peak intensity	0.456 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.

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
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