


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
FLORENCE-Z90	Linear lens



Material	Colour	Finish
PMMA	clear	

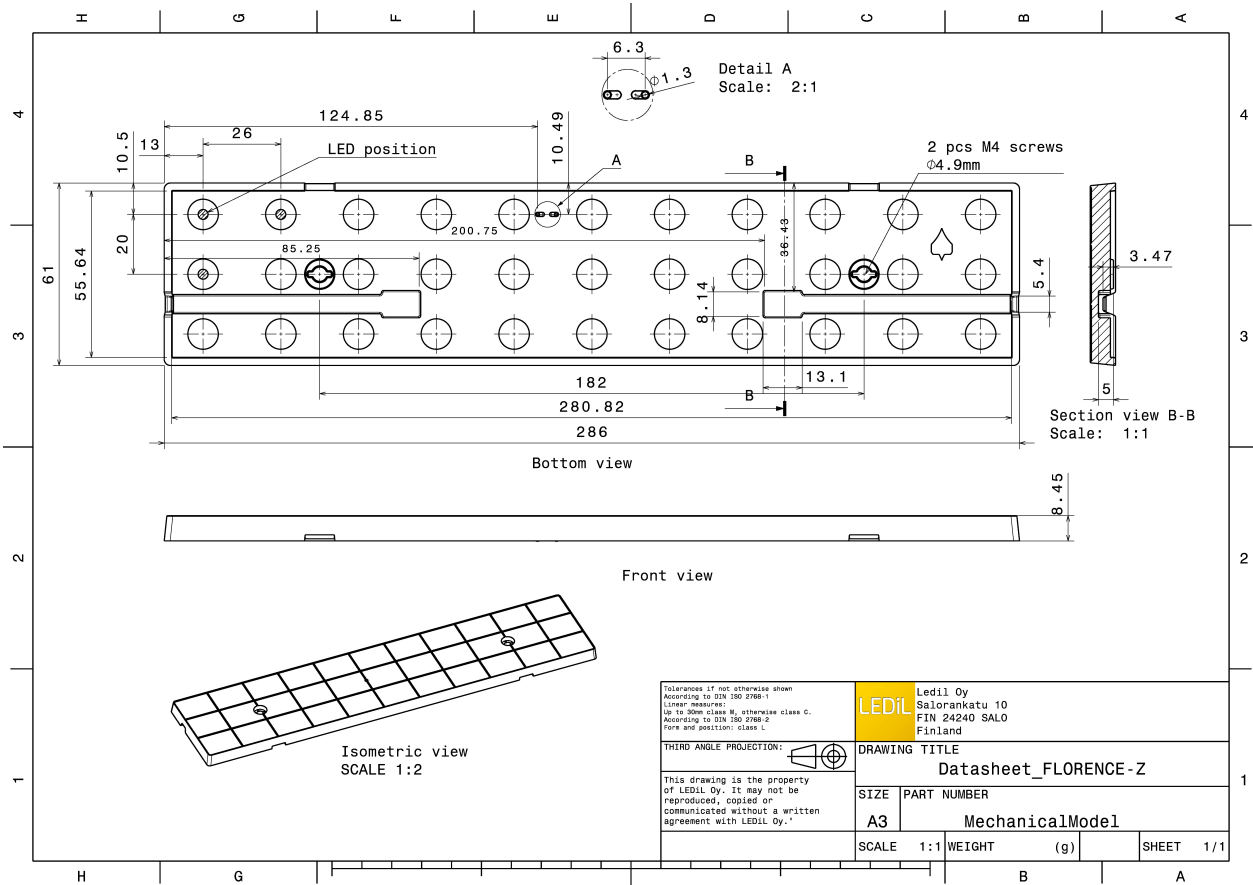
ORDERING INFORMATION:

Component

F13853_FLORENCE-Z90

» Box size: 398 x 298 x 140 mm

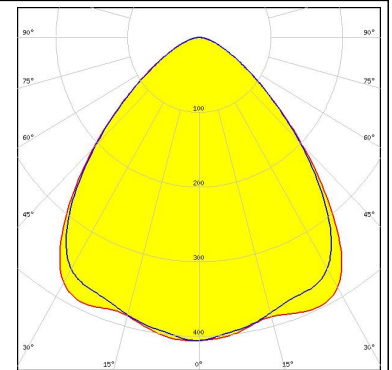
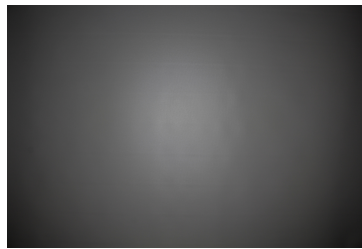
Qty in box	MOQ	MPQ	Box weight (kg)
72	18	6	7.8



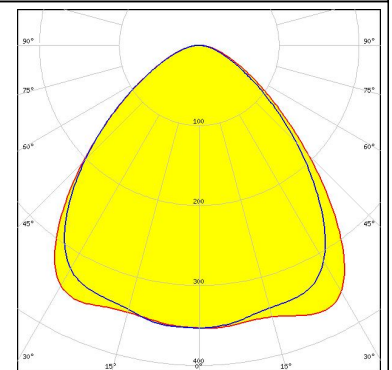
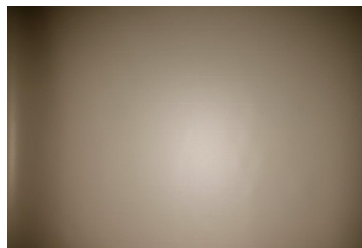
PHOTOMETRIC DATA (MEASURED):



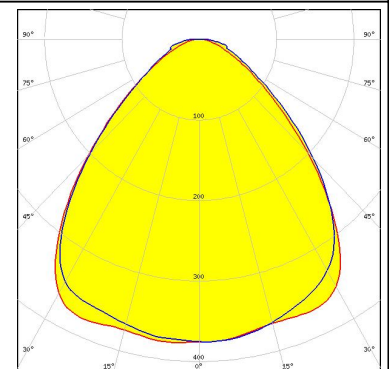
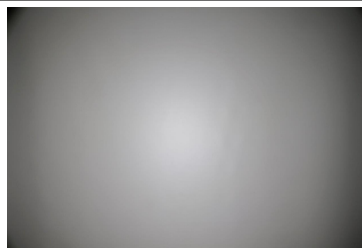
LED TRIDINO R3 8x0 1100 1ft HV
FWHM 92.0°
Efficiency 87 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



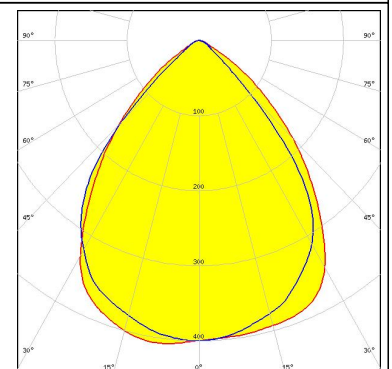
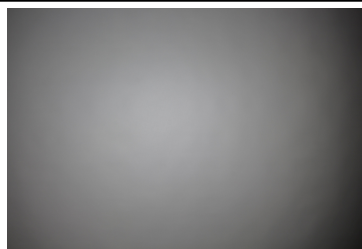
LED XH-B/G
FWHM 95.0°
Efficiency 82 %
Peak intensity 0.370 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



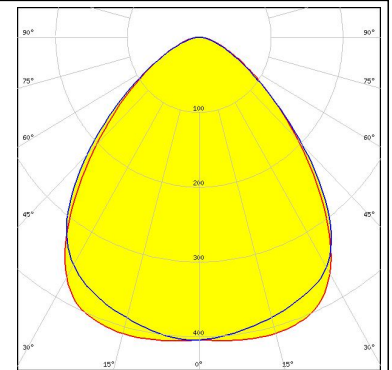
LED LG 6030
FWHM 83.0°
Efficiency 70 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14592_FLORENCE-3R-SHD-BLK



PHOTOMETRIC DATA (MEASURED):

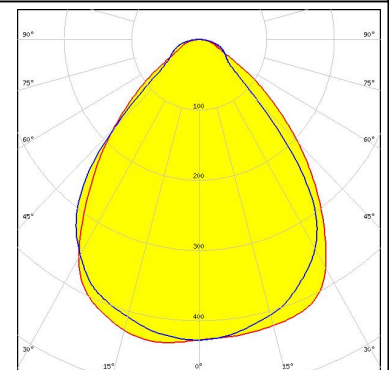
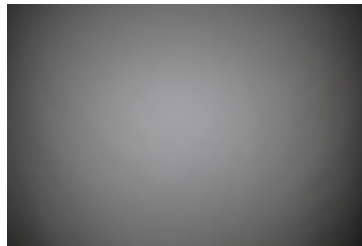
LG Innotek

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



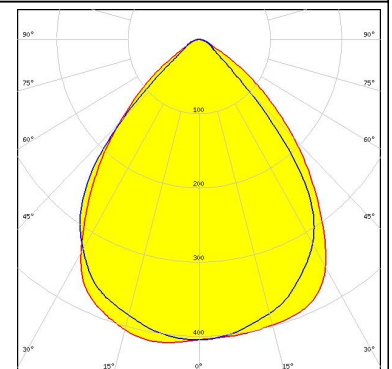
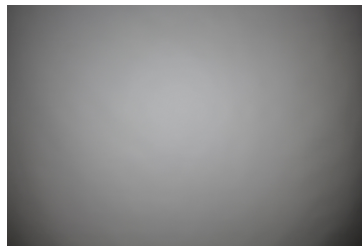
LG Innotek

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



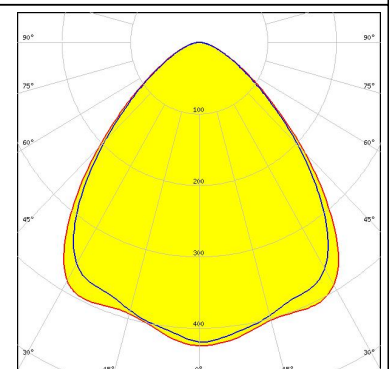
LG Innotek

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


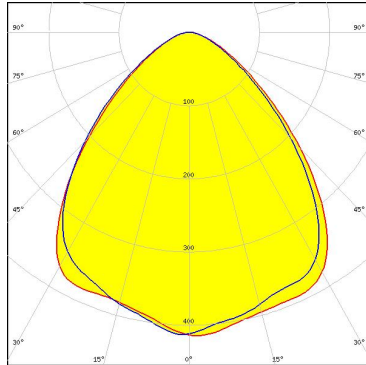
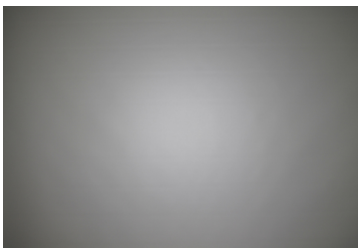
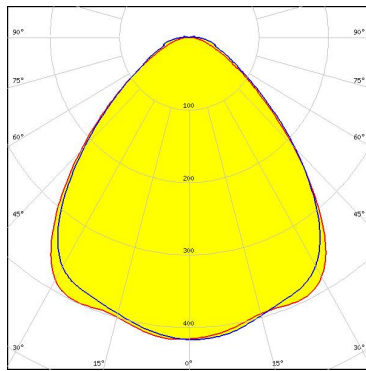

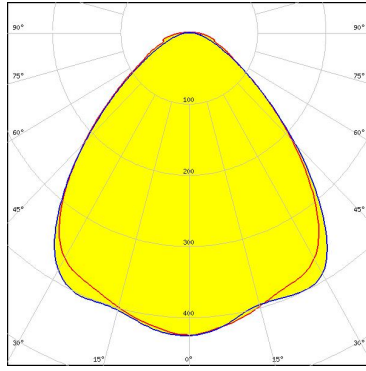

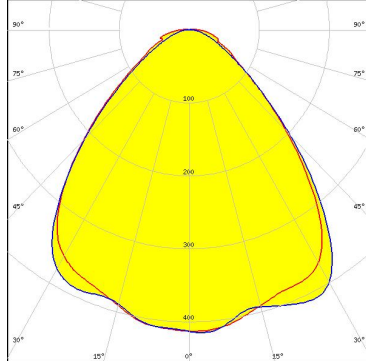


LUMILEDS

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:



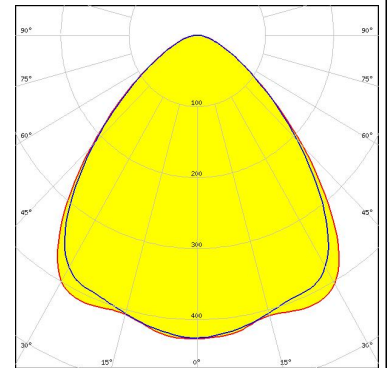
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 3535 2D FWHM 92.0° Efficiency 87 % Peak intensity 0.410 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON 3535L HE FWHM 92.0° Efficiency 93 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>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:</p>		
<p>LUMINUS</p> <p>LED MP-2016 FWHM 90.0° Efficiency 91 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

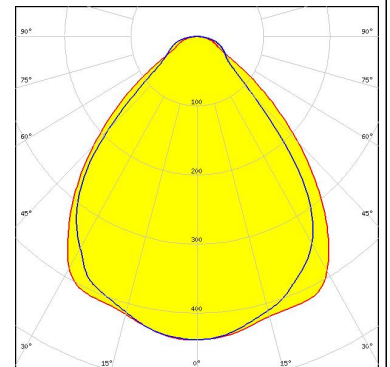
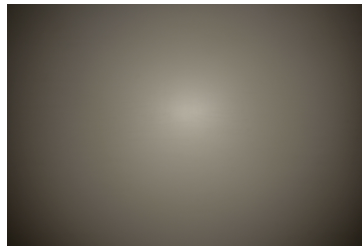
PHOTOMETRIC DATA (MEASURED):



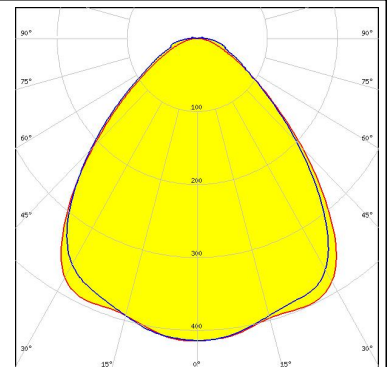
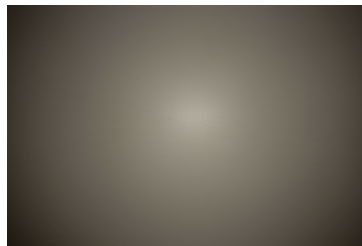
LED NF2x757D
 FWHM 92.0°
 Efficiency 90 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



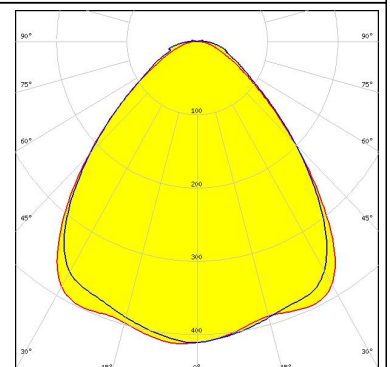
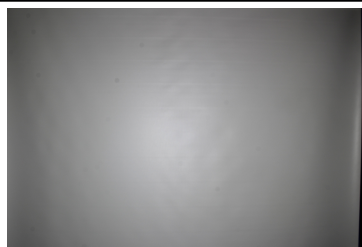
LED NFSW757H
 FWHM 90.0 + 83.0°
 Efficiency 87 %
 Peak intensity 0.439 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14646_FLORENCE-3R-SHD-WHT



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



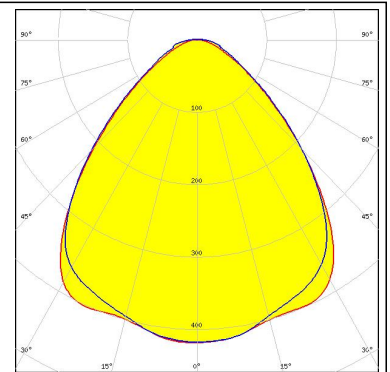
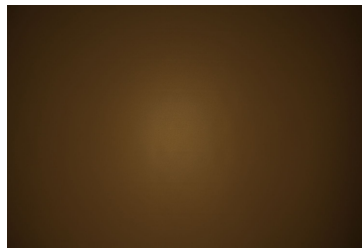
LED PL-BAR-G3 1100 280x55
 FWHM 90.0°
 Efficiency 92 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

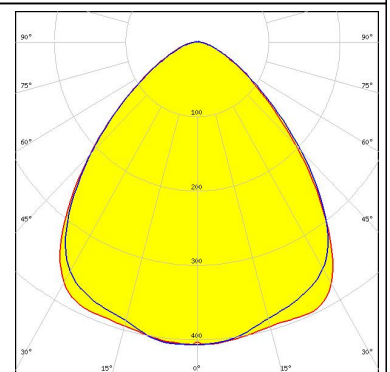
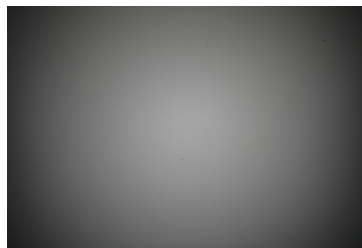
OSRAM

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:



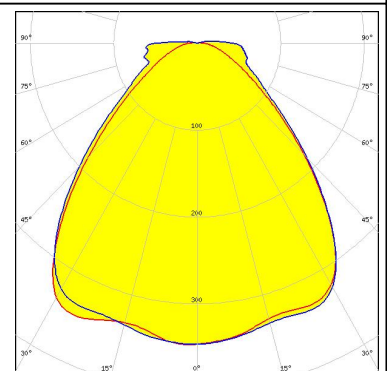
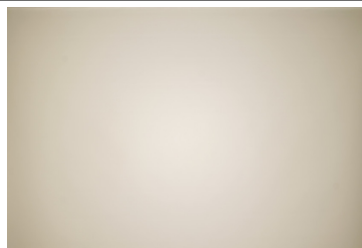
OSRAM
Opto Semiconductors

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



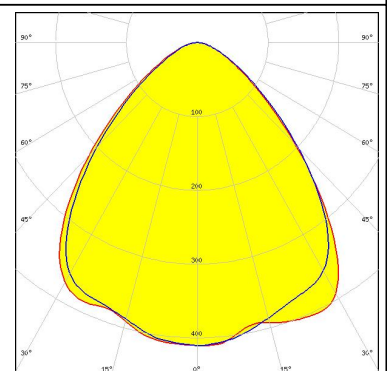
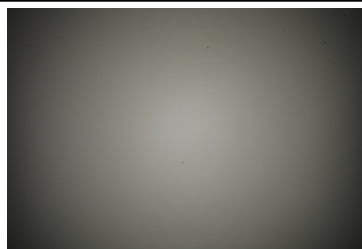
OSRAM
Opto Semiconductors

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:

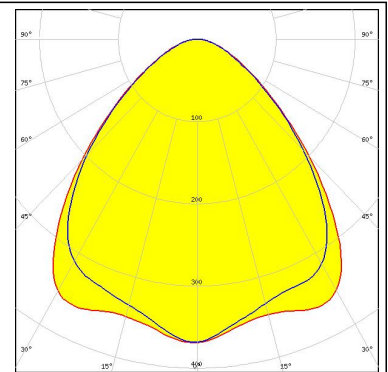


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

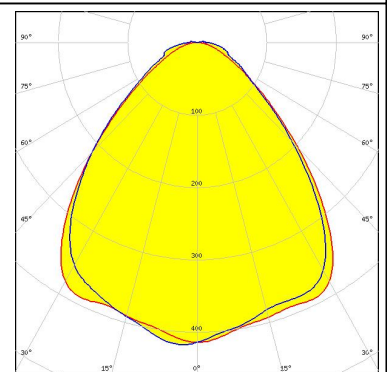
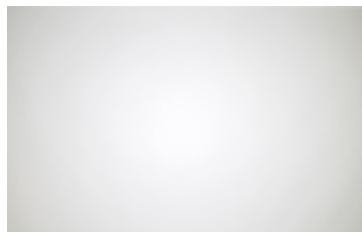
LED OSCONIQ P 2226
 FWHM 94.0°
 Efficiency 83 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

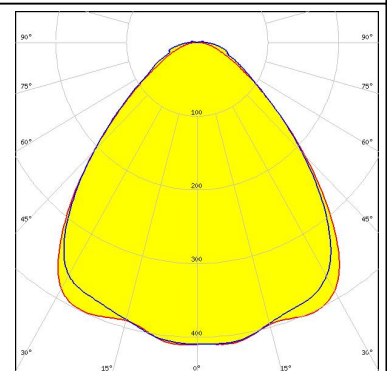
Opto Semiconductors

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:



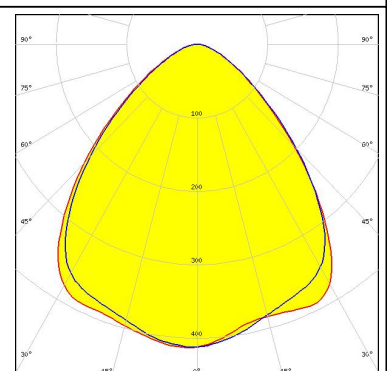
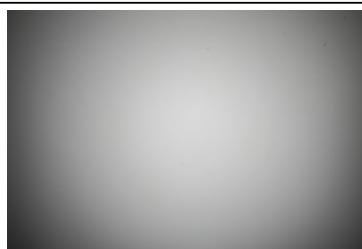
PHILIPS

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

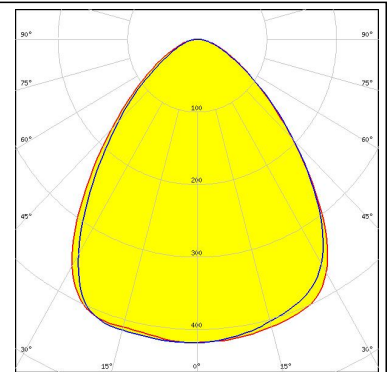
LED LM231 A/B
 FWHM 91.0°
 Efficiency 88 %
 Peak intensity 0.414 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

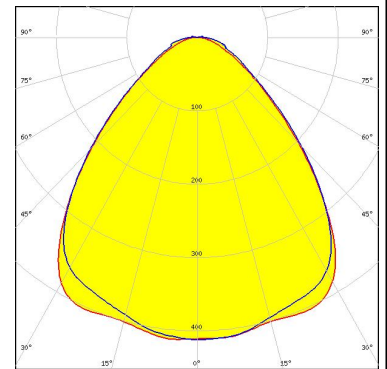
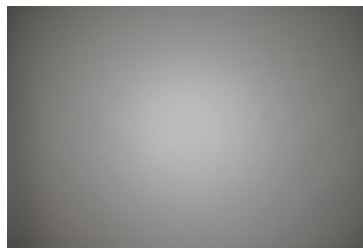
SAMSUNG

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



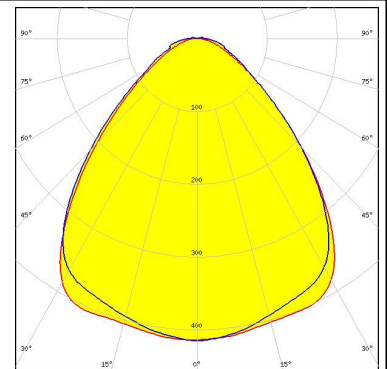
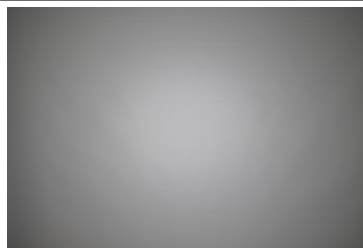
SAMSUNG

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



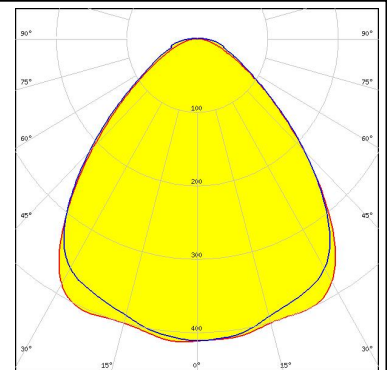
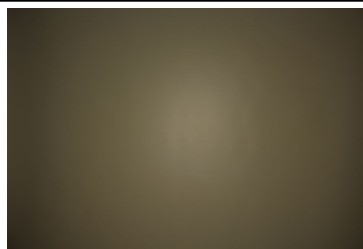
SAMSUNG

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



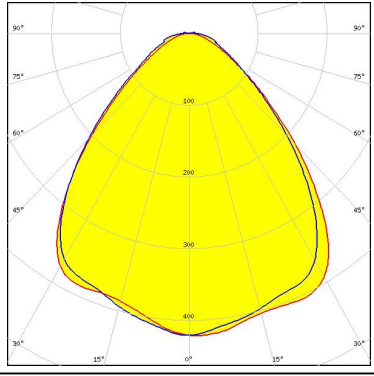

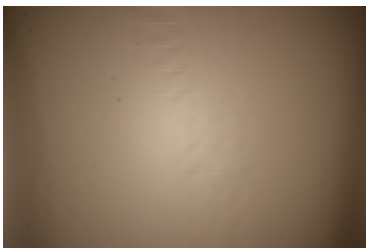
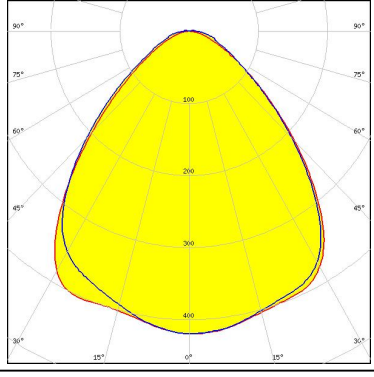

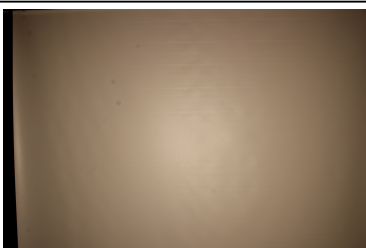
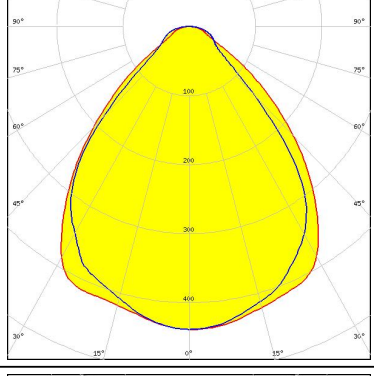

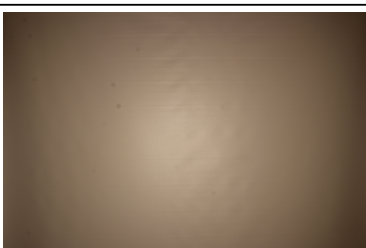
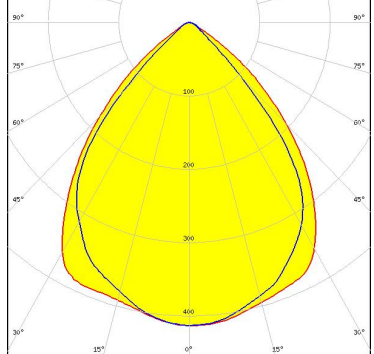


SAMSUNG


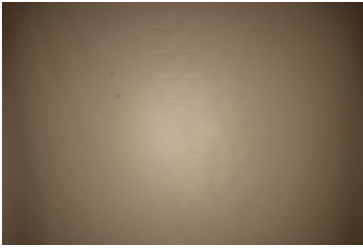
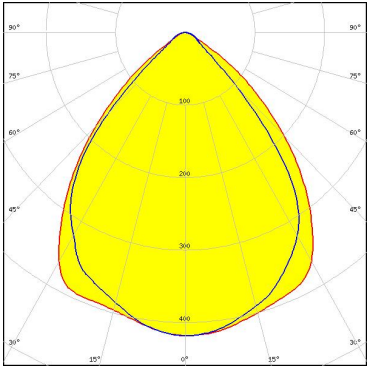


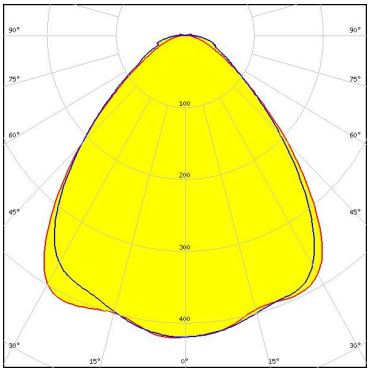

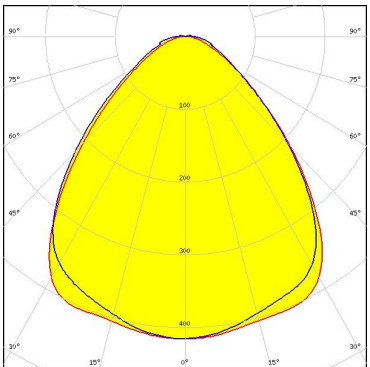
LED LT-R286A
 FWHM 93.0°
 Efficiency 93 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED: SEOUL 3030 FWHM: 91.0° Efficiency: 91 % Peak intensity: 0.420 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED: SEOUL 5630C FWHM: 90.0° Efficiency: 91 % Peak intensity: 0.420 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p> SEOL SEMICONDUCTOR</p> <p>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</p>		
<p> SEOL SEMICONDUCTOR</p> <p>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</p>		

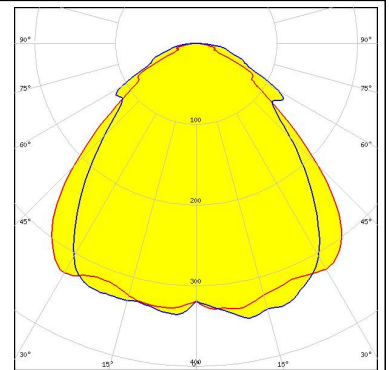
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>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</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 3030 FWHM 90.0° Efficiency 93 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>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:</p>		

PHOTOMETRIC DATA (SIMULATED):

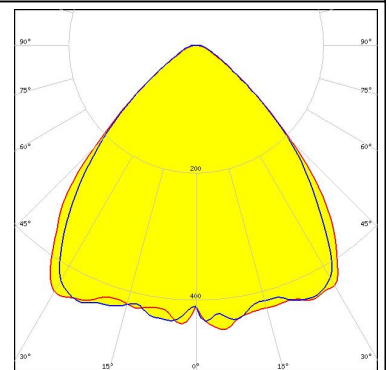
LG Innotek

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



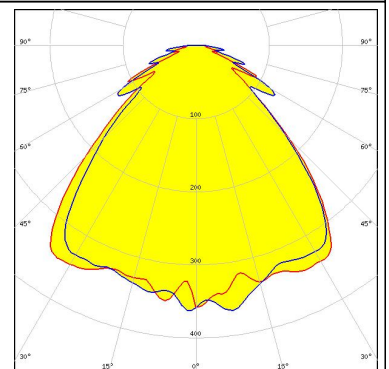
LUMILEDS

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:



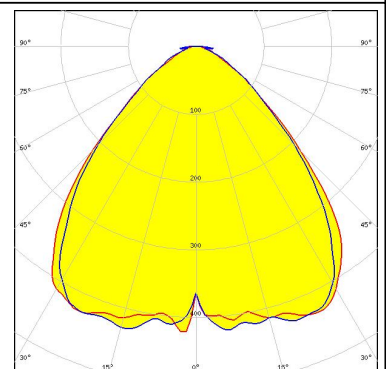
NICHIA

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



NICHIA

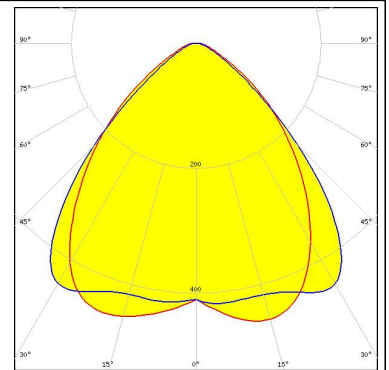
LED NFMW48xA
 FWHM 89.0°
 Efficiency 92 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



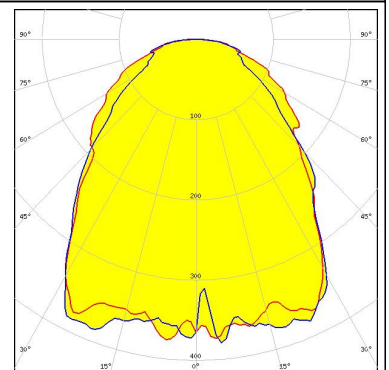
PHOTOMETRIC DATA (SIMULATED):



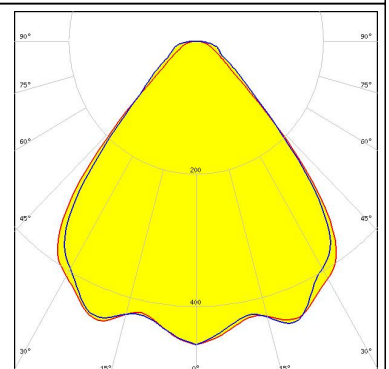
LED NFSx757G
 FWHM 86.0 + 90.0°
 Efficiency 92 %
 Peak intensity 0.458 cd/lm
 LEDs/each optic 2
 Light colour White
 Required components:



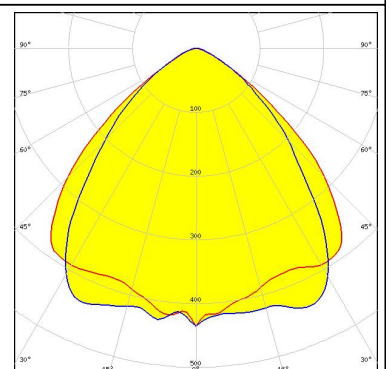
LED NVSxE21A
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



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:

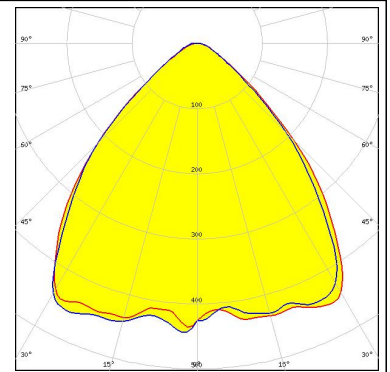


PHOTOMETRIC DATA (SIMULATED):

OSRAM

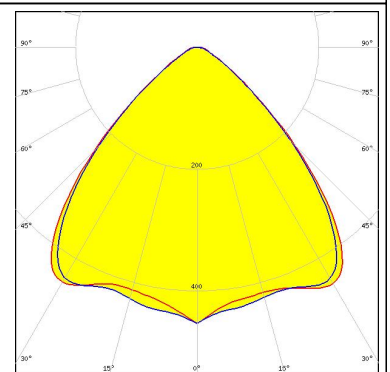
Opto Semiconductors

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



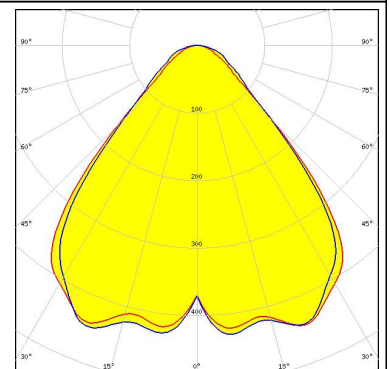
SAMSUNG

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



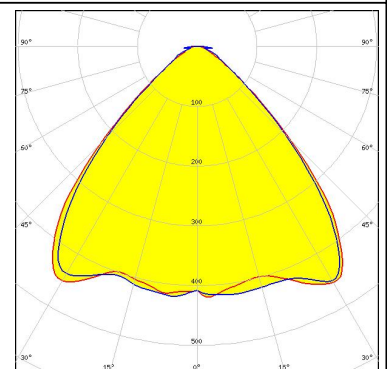
SEOUL SEMICONDUCTOR

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

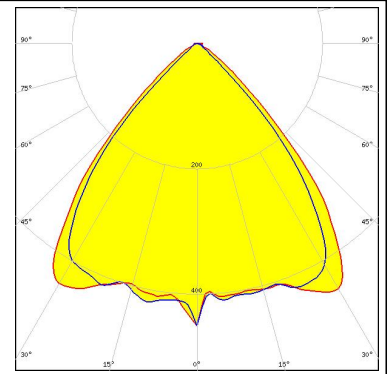
LED SEOUL DC 3030C
FWHM 89.0°
Efficiency 94 %
Peak intensity 0.457 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.