

HB-2X2-ON

~15° + 50° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	10 mm
Fastening	screw
ROHS compliant	yes ⓘ

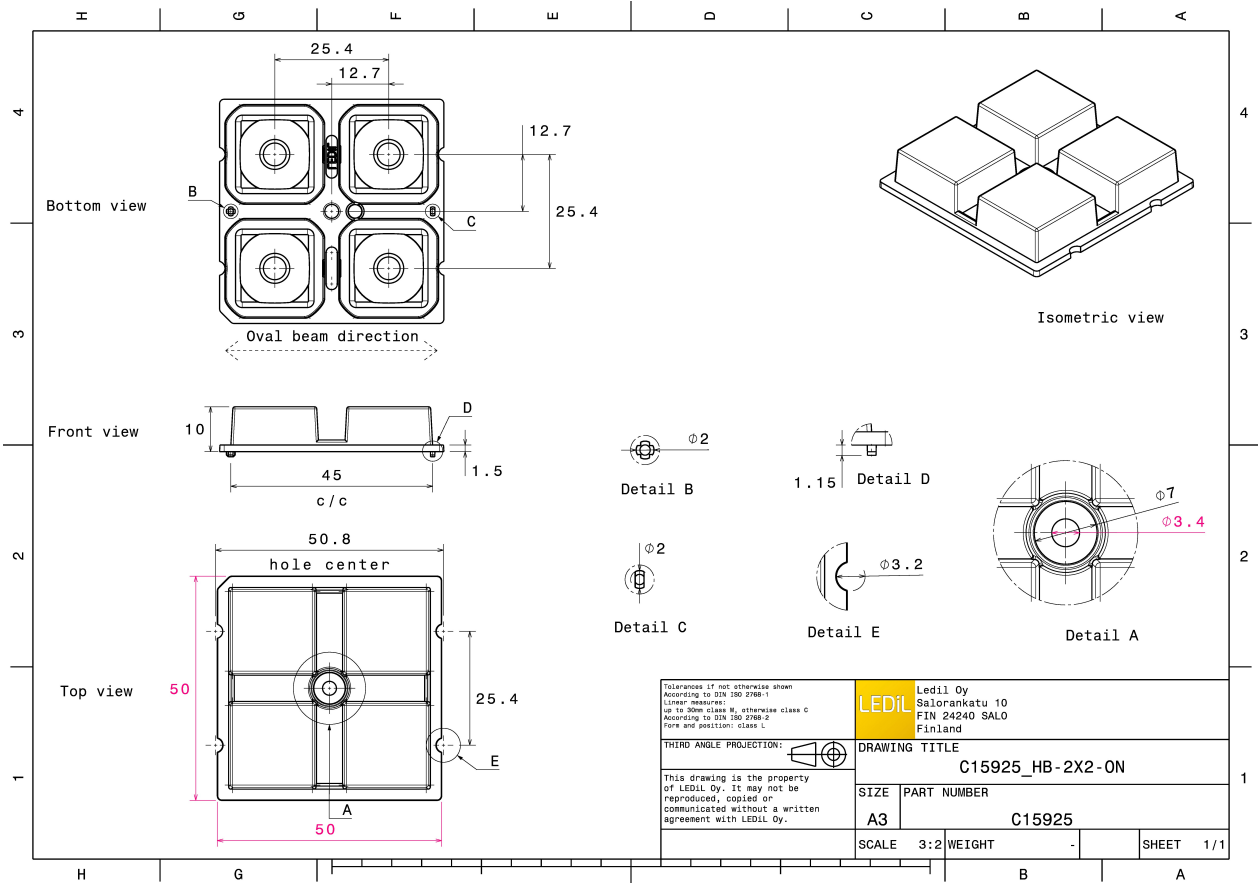
MATERIAL SPECIFICATIONS:


Component	Type	Material	Colour	Finish
HB-2X2-ON	Multi-lens	PMMA	clear	




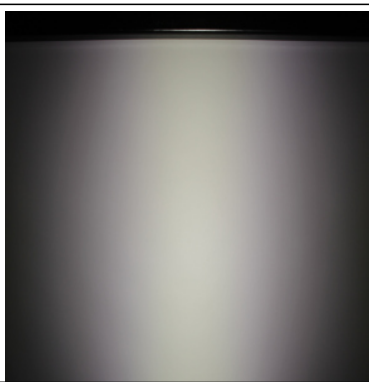
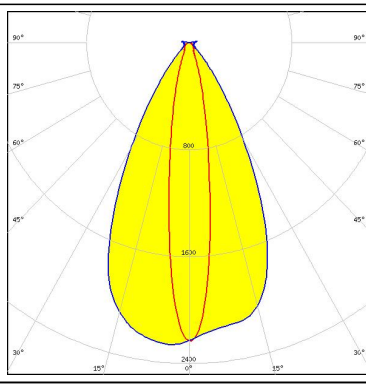

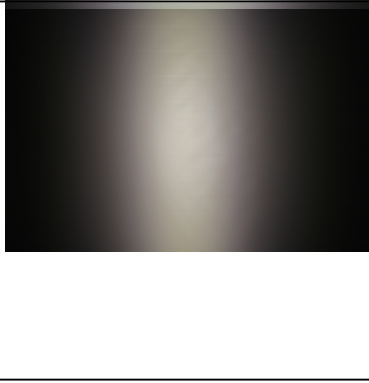
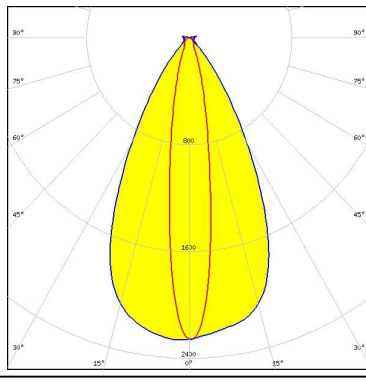

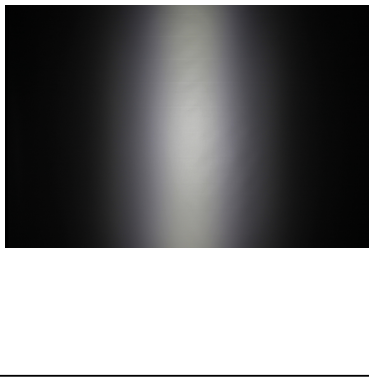
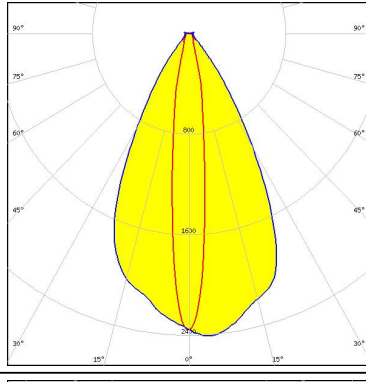


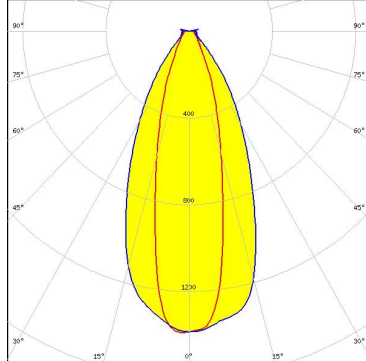
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15925_HB-2X2-ON » Box size: 480 x 280 x 300 mm	800	160	160	9.8



<small>Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class M, otherwise class C According to DIN ISO 2768-2 Form and position: class L</small>		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
<small>THIRD ANGLE PROJECTION:</small> 		DRAWING TITLE C15925_HB-2X2-ON	
<small>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.</small>		SIZE A3	PART NUMBER C15925
		SCALE 3:2	WEIGHT -
		SHEET 1/1	

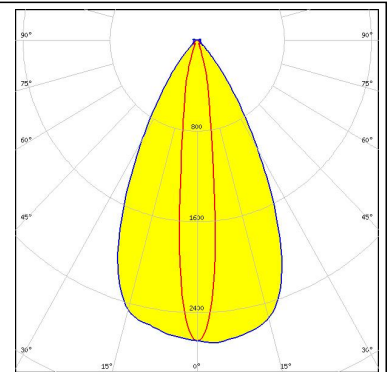
PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED QUICK FLUX XTP 2x4 xxx LS G5 FWHM 16.0 + 55.0° Efficiency 93 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED QUICK FLUX XTP 2x6 xxx LS G5 FWHM 16.0 + 55.0° Efficiency 93 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED XD16 FWHM 13.0 + 55.0° Efficiency 89 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED XD16 FWHM 27.0 + 49.0° Efficiency 90 % Peak intensity 1.4 cd/lm LEDs/each optic 4 Light colour White Required components:</p>		

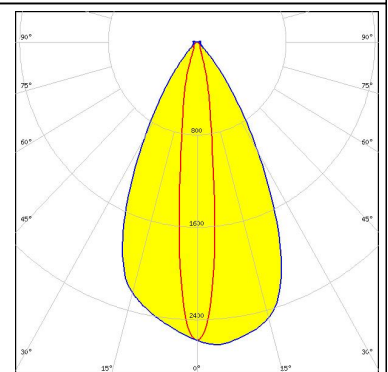
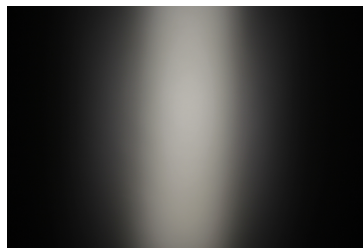
PHOTOMETRIC DATA (MEASURED):



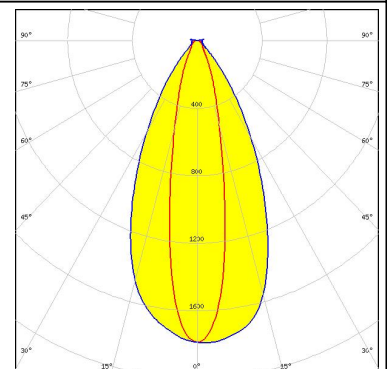
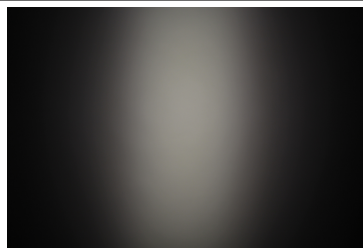
LED XP-G2
 FWHM 14.0 + 55.0°
 Efficiency 89 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



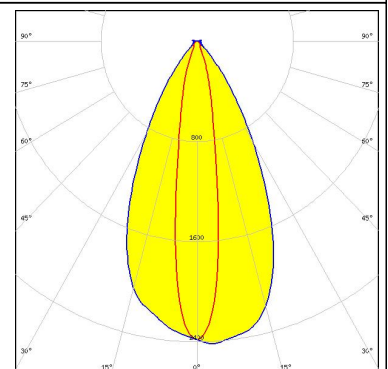
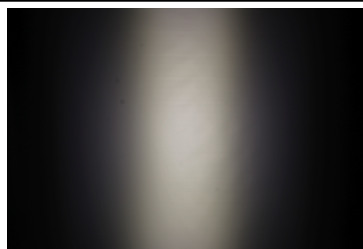
LED XP-L HI
 FWHM 14.0 + 55.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



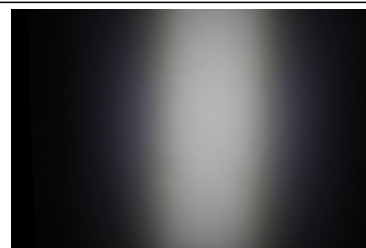
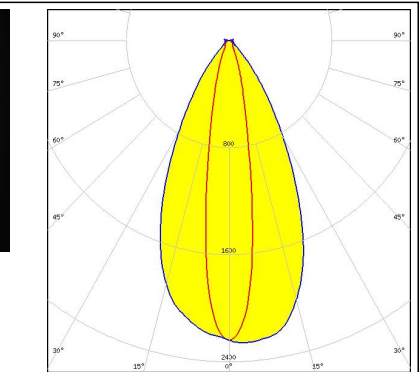
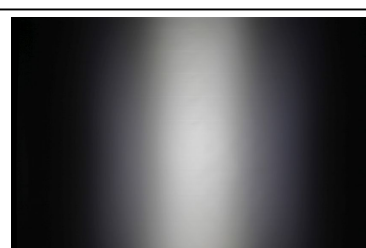
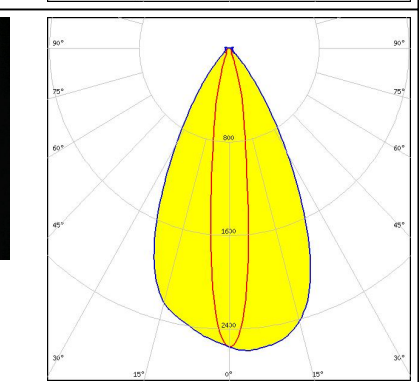
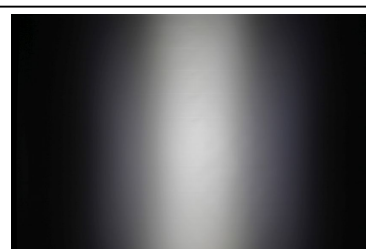
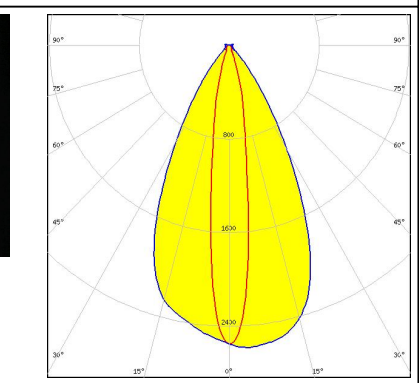
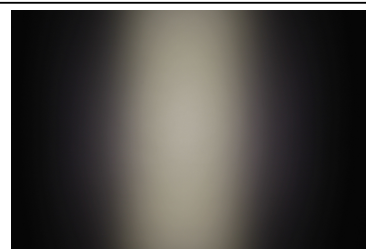
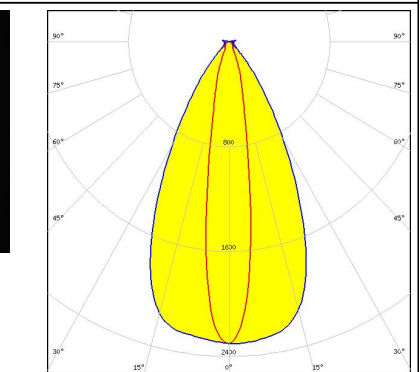
LED LUXEON V
 FWHM 22.0 + 51.0°
 Efficiency 92 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



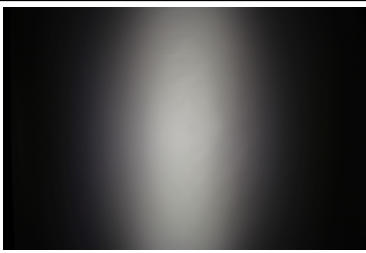
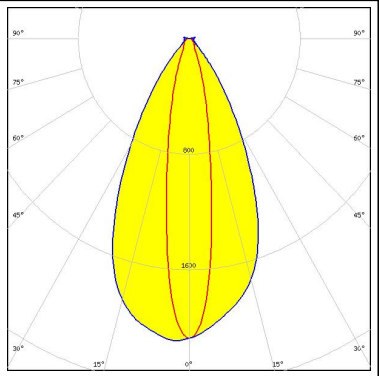

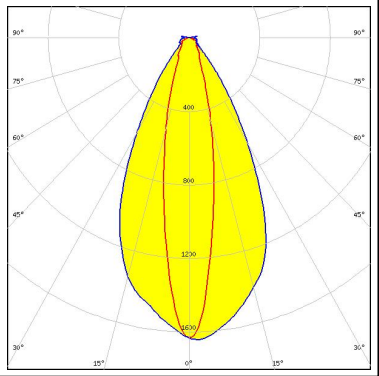
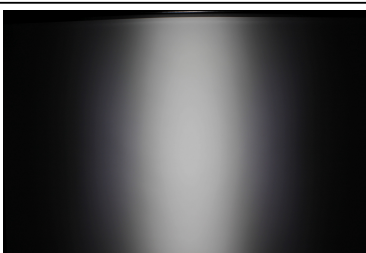
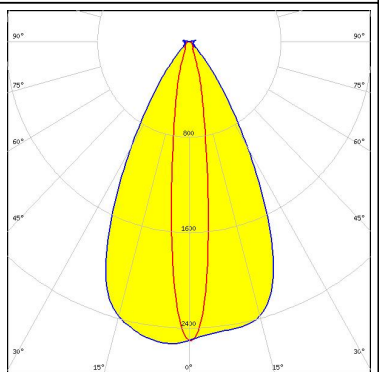
LED NVSW219F
 FWHM 17.0 + 53.0°
 Efficiency 93 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM 18.0 + 52.0° Efficiency 93 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM</p> <p>LED PrevaLED Brick HP 2x8 FWHM 15.0 + 54.0° Efficiency 91 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square CSSRM2/CSSRM3 FWHM 15.0 + 54.0° Efficiency 91 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED HiLOM RH16 (LH351C) FWHM 17.0 + 54.0° Efficiency 94 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

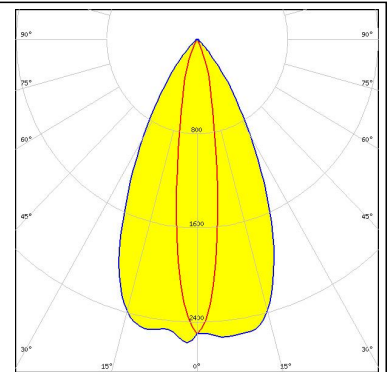
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM 18.0 + 53.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 20.0 + 53.0° Efficiency 91 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 2x4 2000lm HP EXC2 OTD FWHM 15.0 + 55.0° Efficiency 94 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 2x8 4000lm HP EXC2 OTD FWHM 15.0 + 55.0° Efficiency 94 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

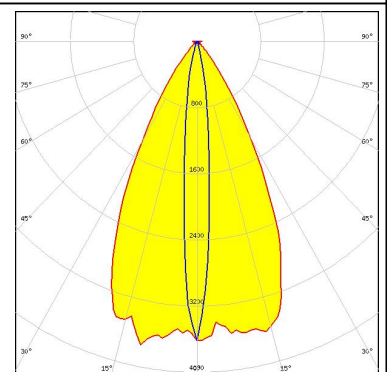
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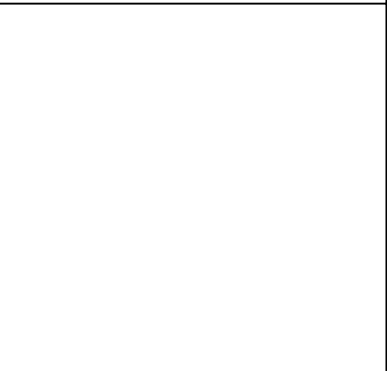
LED XHP35 HI
 FWHM 16.0 + 50.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:



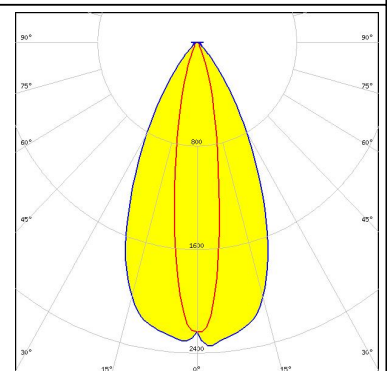
LED XP-E2
 FWHM 54.0 + 10.0°
 Efficiency 93 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E2
 FWHM 10.0 + 50.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:



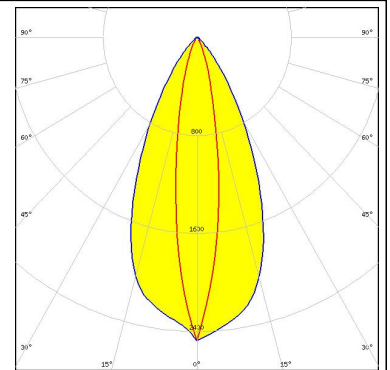
LED XP-G2 HE
 FWHM 18.0 + 51.0°
 Efficiency 90 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



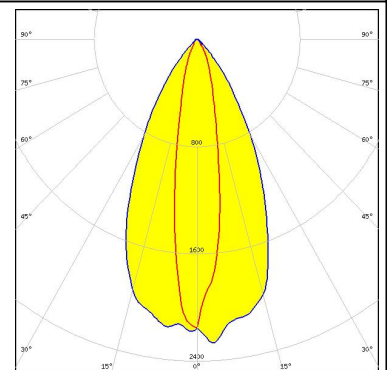
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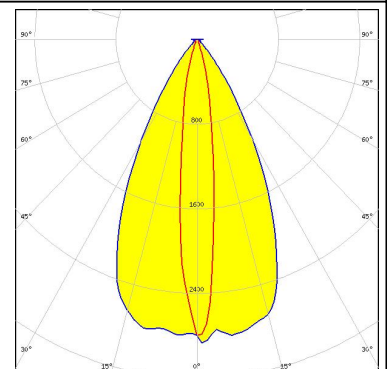
LED XP-G3
 FWHM 17.0 + 48.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour White
 Required components:



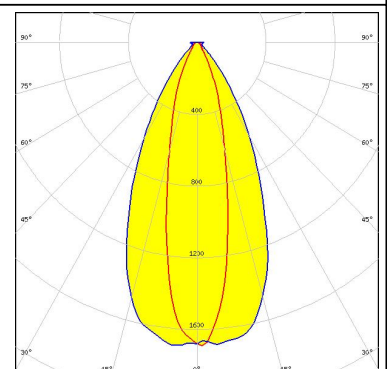
LED XP-L HD
 FWHM 18.0 + 50.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM 14.0 + 55.0°
 Efficiency 91 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



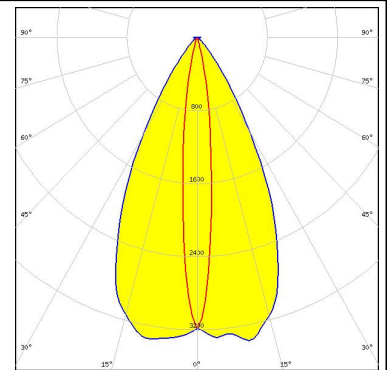
LED LUXEON 5050 Round LES
 FWHM 23.0 + 51.0°
 Efficiency 89 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

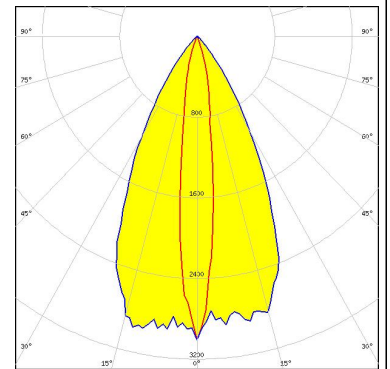
LUMILEDS

LED LUXEON C
 FWHM 12.0 + 54.0°
 Efficiency 91 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



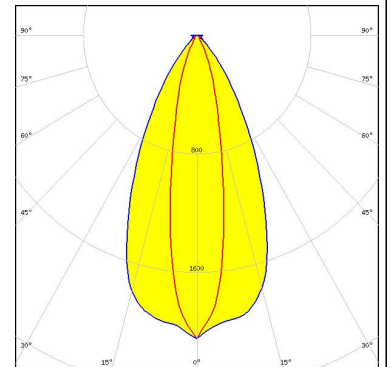
LUMILEDS

LED LUXEON TX
 FWHM 14.0 + 50.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:



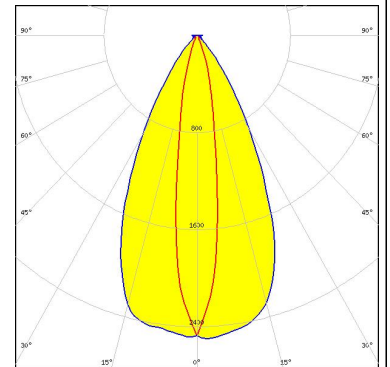
NICHIA

LED NV4WB35AM
 FWHM 20.0 + 50.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSxx19B/NVSxx19C
 FWHM 16.0 + 53.0°
 Efficiency 90 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

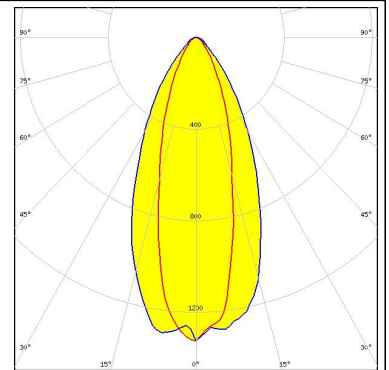


PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

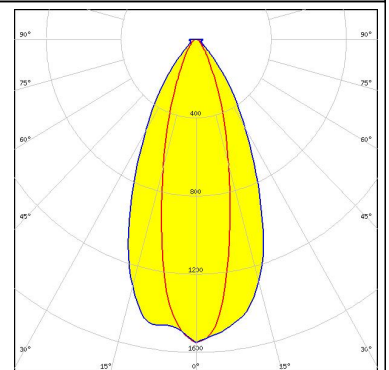
LED Duris S8
FWHM 29.0 + 49.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover



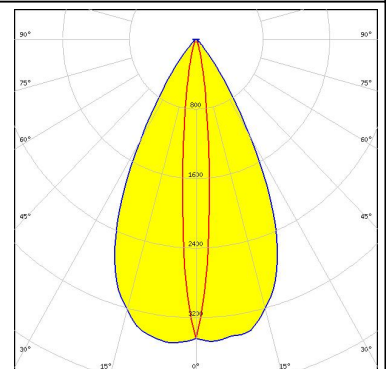
OSRAM
Opto Semiconductors

LED Duris S8
FWHM 26.0 + 49.0°
Efficiency 88 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



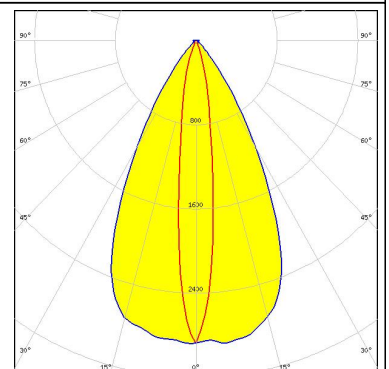
OSRAM
Opto Semiconductors

LED OSCONIQ P 3030
FWHM 10.0 + 56.0°
Efficiency 94 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

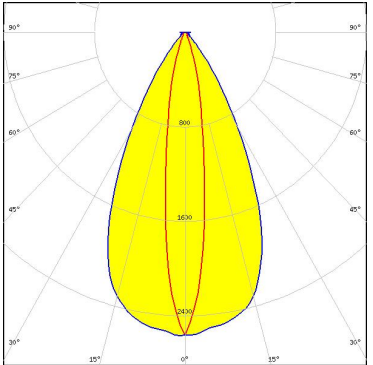
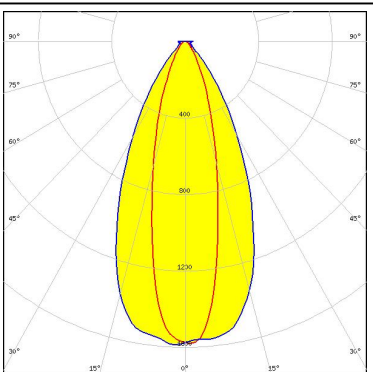
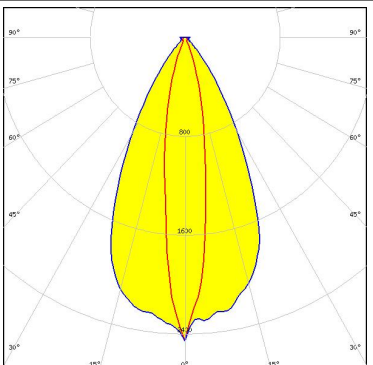


OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM 13.0 + 56.0°
Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 Flat FWHM 16.0 + 54.0° Efficiency 92 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 5050 6V FWHM 26.0 + 50.0° Efficiency 90 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T FWHM 16.0 + 52.0° Efficiency 90 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

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.

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LEDiL Oy

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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)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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