

STRADELLA-IP-28-HB-S-PC

~30° spot beam. Variant made from PC.

SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

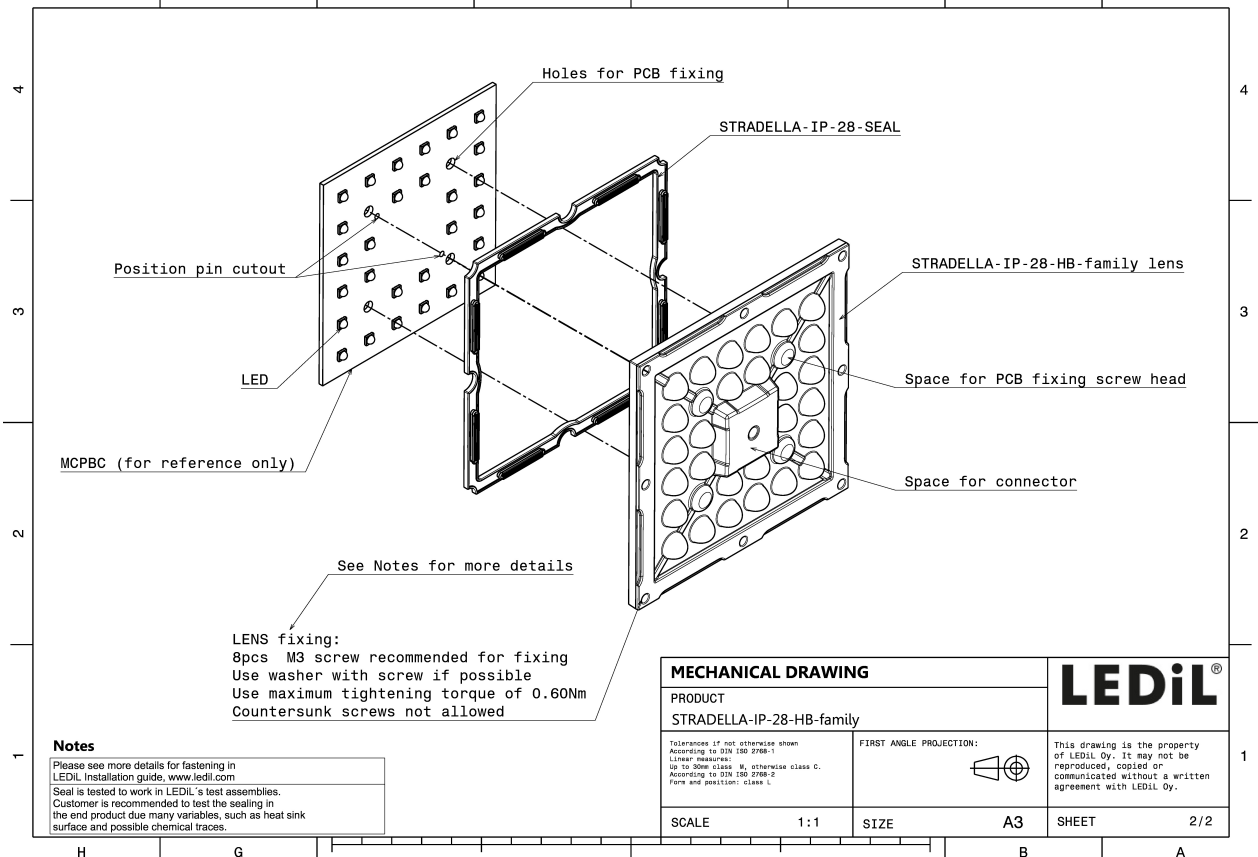
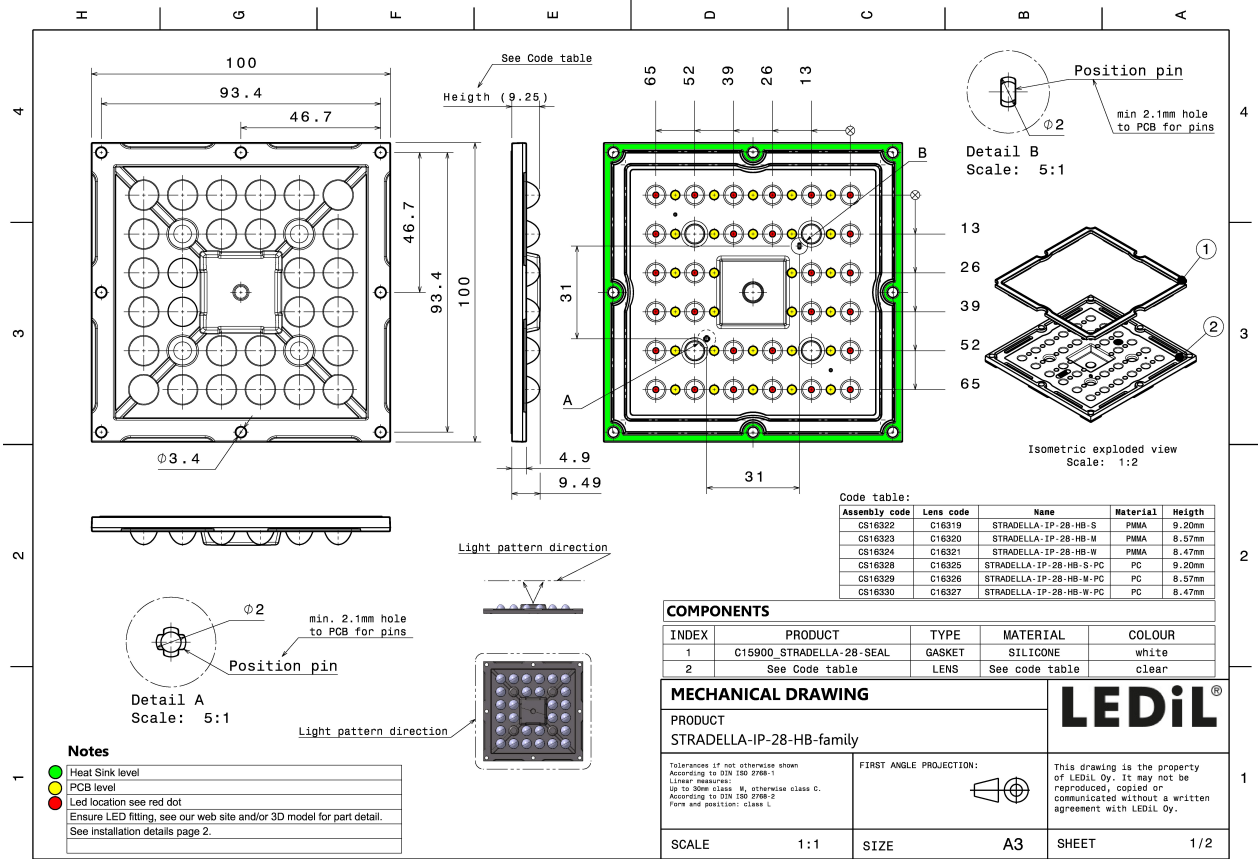
MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-IP-28-HB-S-PC	Multi-lens	PC	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	





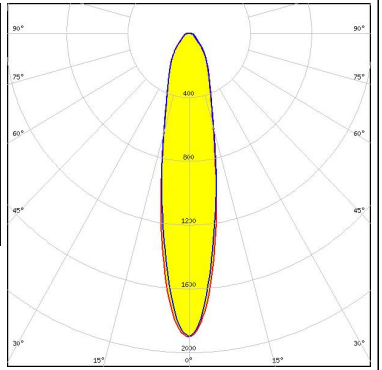


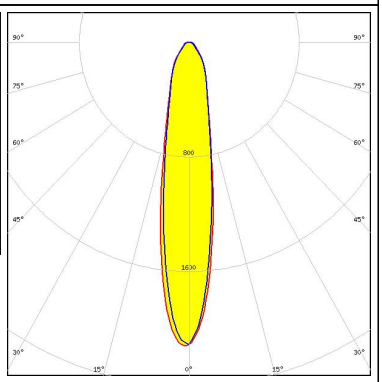

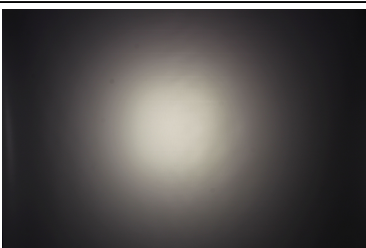
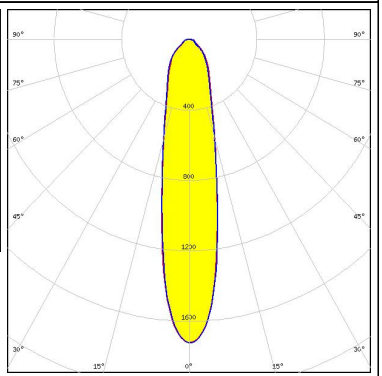

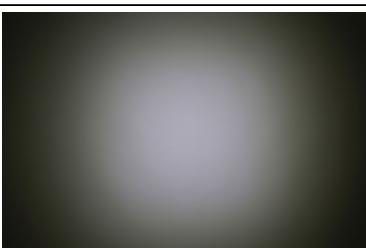
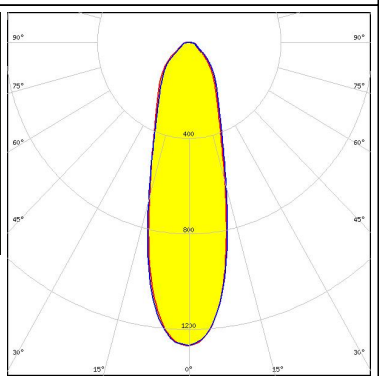
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16328_STRADELLA-IP-28-HB-S-PC » Box size: 476 x 273 x 247 mm	Multi-lens	156	78	78	6.0

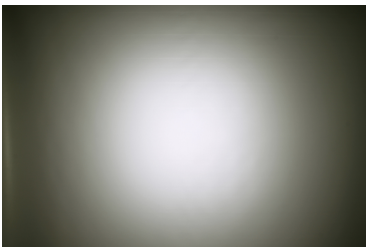
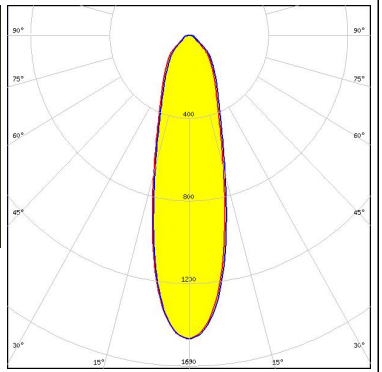
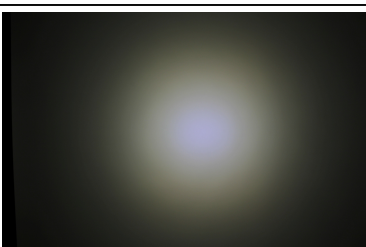
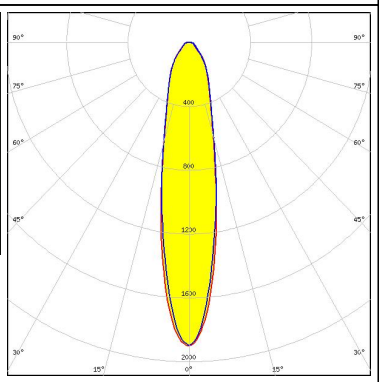

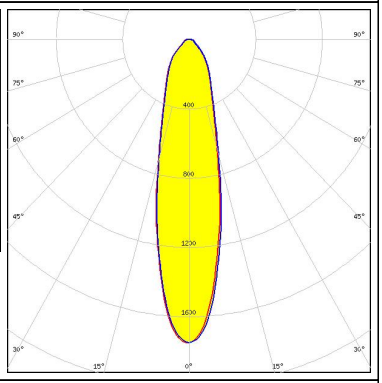

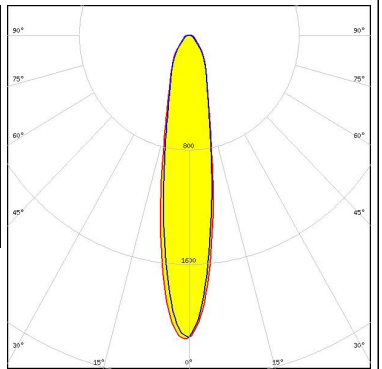


See also our general installation guide: www.ledil.com/installation_guide

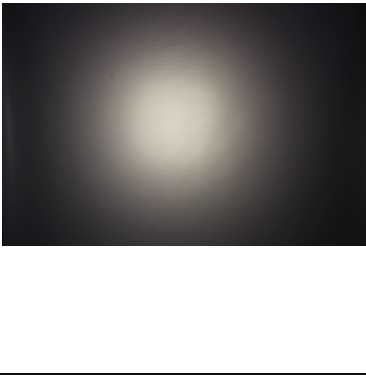
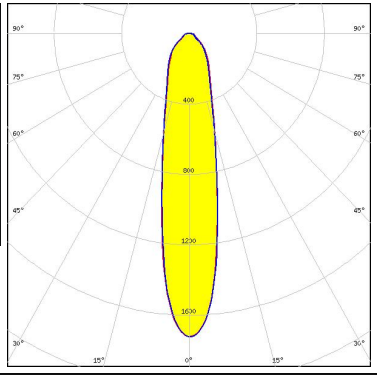

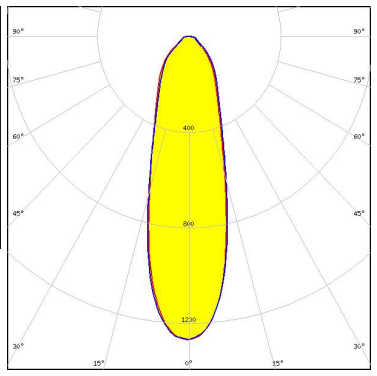

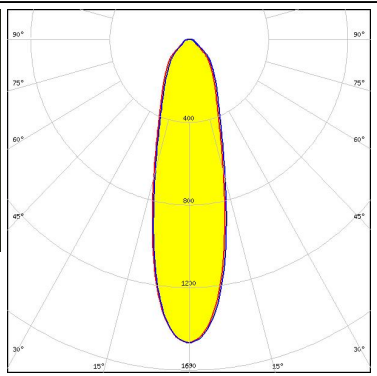

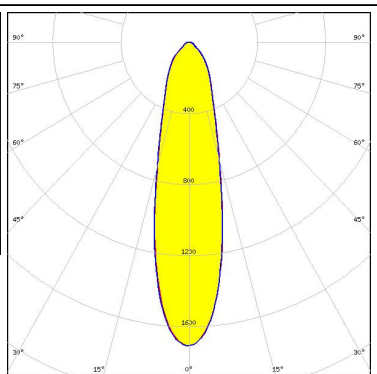
OPTICAL RESULTS (MEASURED):

 <p> LED HiQLED STR28 CR JE2835 4x7 xxx FWHM / FWTM 22.0° / 71.0° Efficiency 83 % Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED HiQLED STR28 CR JK3030 4x7 xxx FWHM / FWTM 20.0° / 65.0° Efficiency 82 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED QUICK FLUX STR28 XD2x14 xxx G8 FWHM / FWTM 22.0° / 78.0° Efficiency 83 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED QUICK FLUX STR28 XP2x14 xxx G7 FWHM / FWTM 30.0° / 82.0° Efficiency 89 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components: </p>		

OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX STR28 XT2x14 xxx G5 FWHM / FWTM 29.0° / 87.0° Efficiency 86 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 2835 FWHM / FWTM 22.0° / 71.0° Efficiency 83 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 25.0° / 77.0° Efficiency 86 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 20.0° / 65.0° Efficiency 82 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

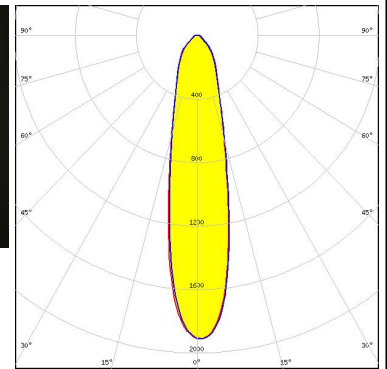
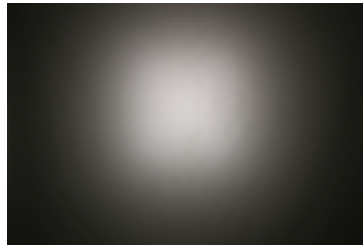
<p>CREE LEDs</p> <p>LED XD16 FWHM / FWTM 22.0° / 78.0° Efficiency 83 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G3 FWHM / FWTM 30.0° / 93.0° Efficiency 84 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XT-E FWHM / FWTM 29.0° / 87.0° Efficiency 86 % Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ S 3030 (QLSR31) FWHM / FWTM 26.0° / 78.0° Efficiency 86 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

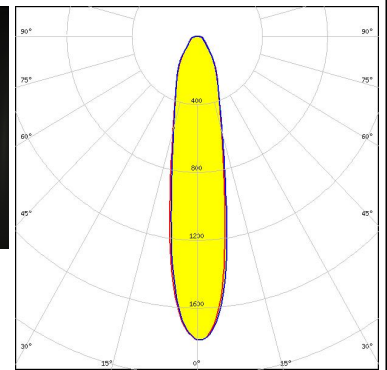
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 23.0° / 72.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



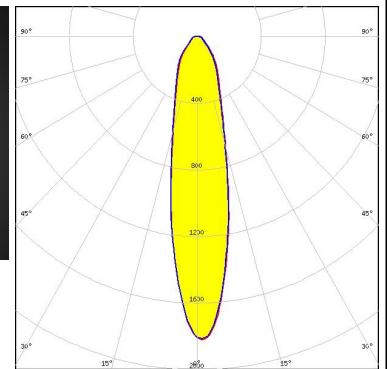
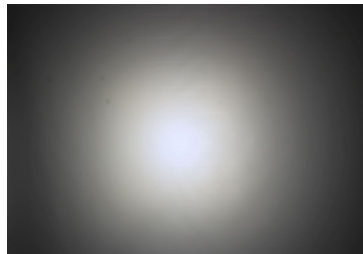
SAMSUNG

LED HiLOM SC28 (LH181B)
 FWHM / FWTM 21.0° / 70.0°
 Efficiency 80 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

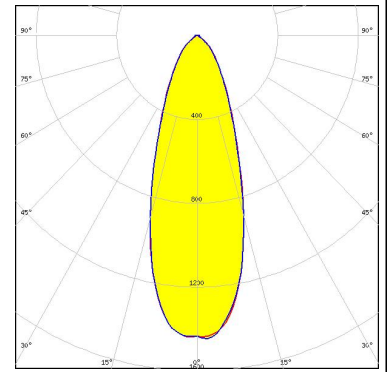
LED HiLOM SM28 (LM301B)
 FWHM / FWTM 23.0° / 73.0°
 Efficiency 83 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



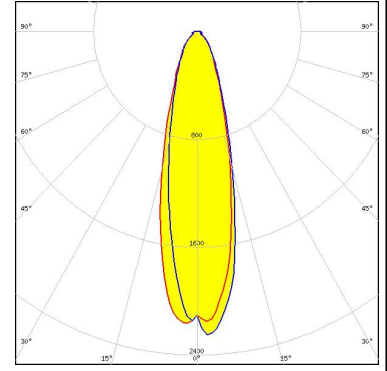
OPTICAL RESULTS (SIMULATED):



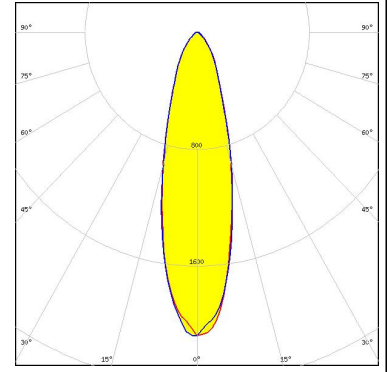
LED XP-G2 HE
 FWHM / FWTM 36.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



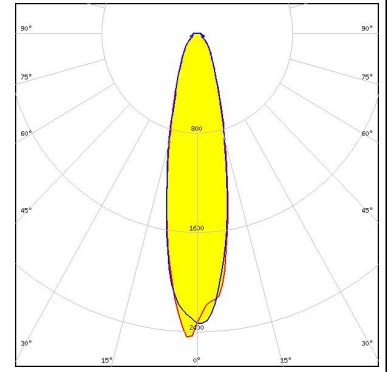
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 25.0° / 65.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



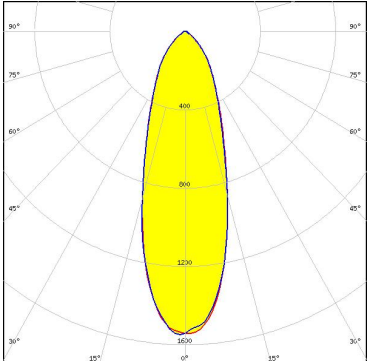
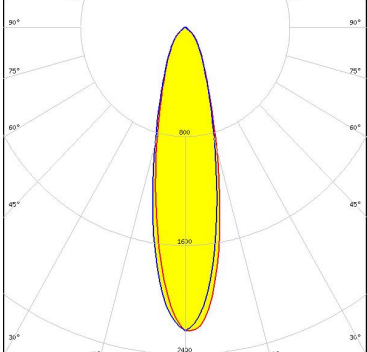
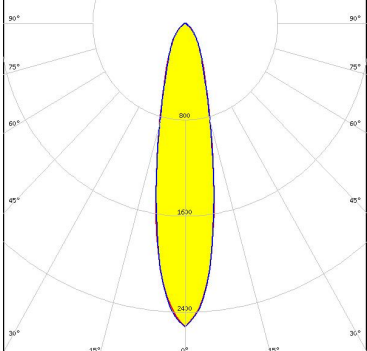
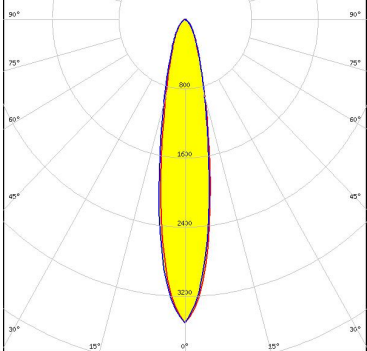
LED NF2x757G
 FWHM / FWTM 27.0° / 68.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxE21A
 FWHM / FWTM 23.0° / 62.0°
 Efficiency 89 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

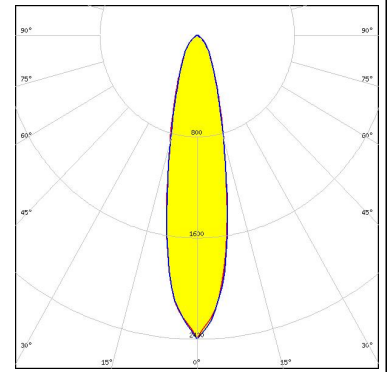
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 34.0° / 84.0° Efficiency: 93 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S5 (2 chip) FWHM / FWTM: 25.0° / 65.0° Efficiency: 87 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ C 2424 FWHM / FWTM: 22.0° / 60.0° Efficiency: 87 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3030 FWHM / FWTM: 20.0° / 51.0° Efficiency: 92 % Peak intensity: 3.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

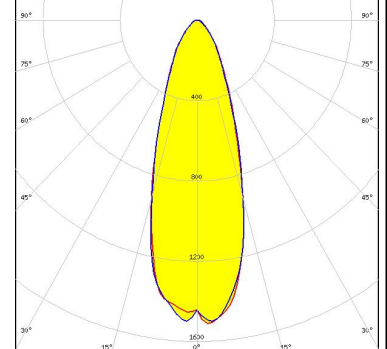
LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 24.0° / 60.0°
 Efficiency 87 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

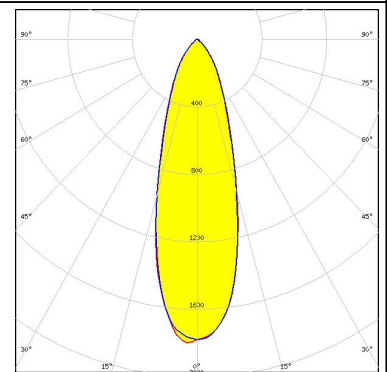
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



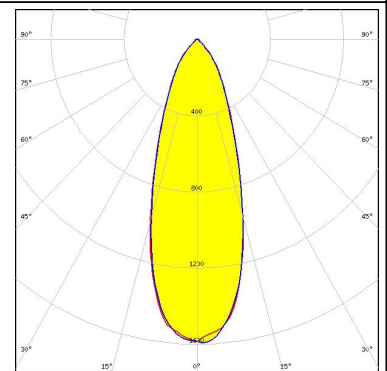
SAMSUNG

LED LH351B
 FWHM / FWTM 32.0° / 73.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

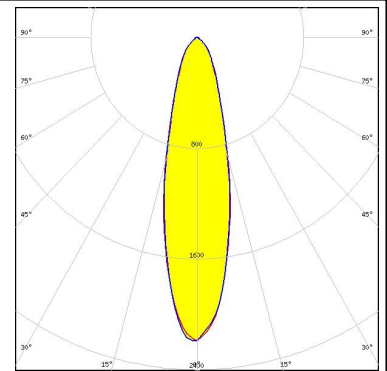
LED LH351C
 FWHM / FWTM 35.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

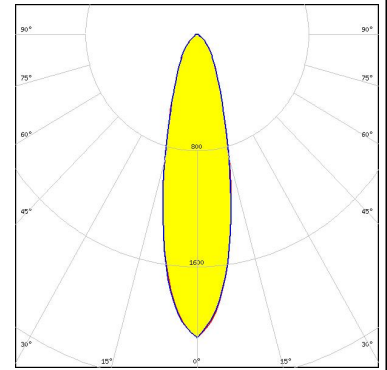
SAMSUNG

LED LM301Z Plus
 FWHM / FWTM 26.0° / 64.0°
 Efficiency 86 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



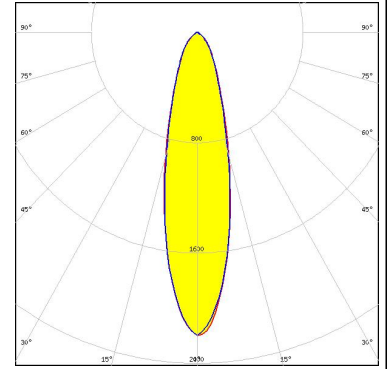
SEIOL SEMICONDUCTOR

LED SEOUL 3030
 FWHM / FWTM 26.0° / 68.0°
 Efficiency 87 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



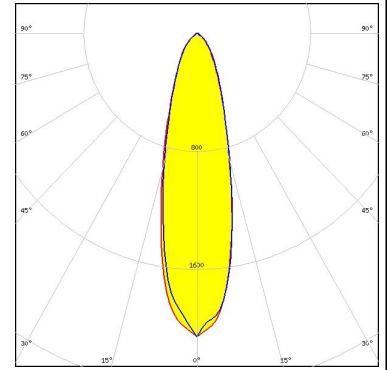
SEIOL SEMICONDUCTOR

LED SEOUL DC 3030C
 FWHM / FWTM 26.0° / 66.0°
 Efficiency 88 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEIOL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 87 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p> SEOU SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 24.0° / 71.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOU SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM 28.0° / 78.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>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.

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

Ledil Optics Technology (Shenzhen) Co., Ltd.

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

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)