

STELLA-RS

~25° spot beam. Compatible with up to 30 mm LES size COBs. Variant with black frame.

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	39.2 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

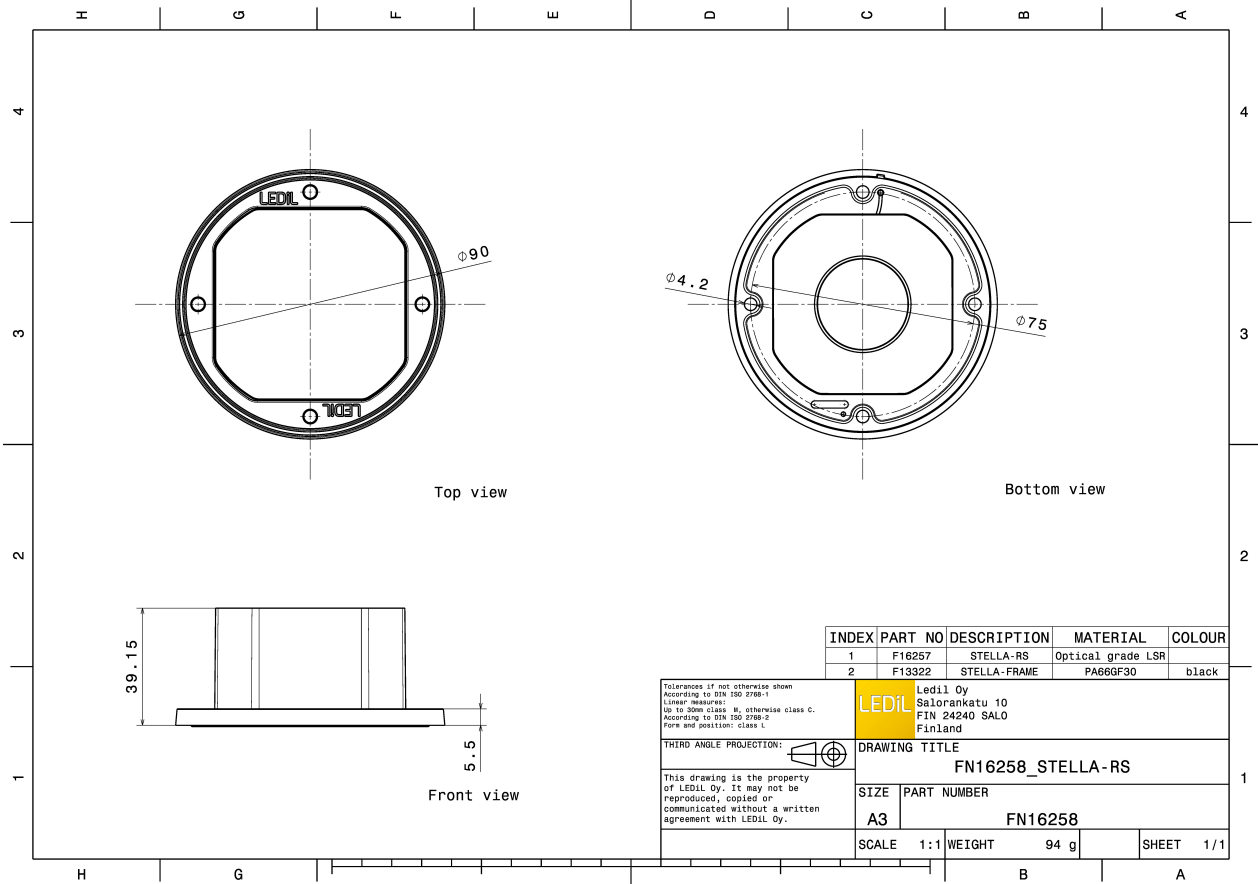


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STELLA-RS	Single lens	Silicone	clear		
STELLA-FRAME	Holder	PA66	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16258_STELLA-RS	Single lens	90	90	15	9.8
» Box size: 480 x 280 x 300 mm					

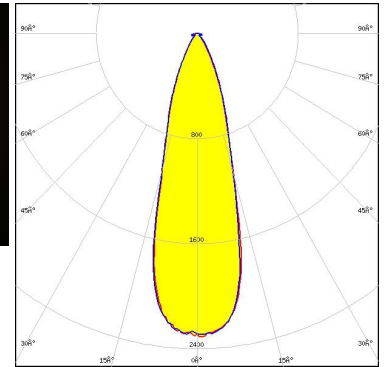
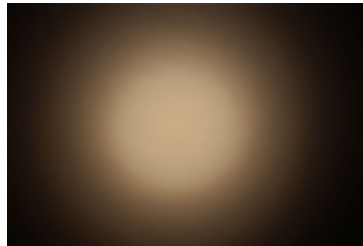


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

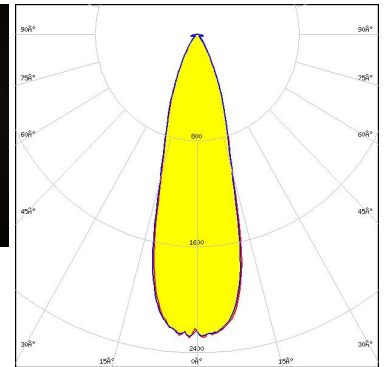
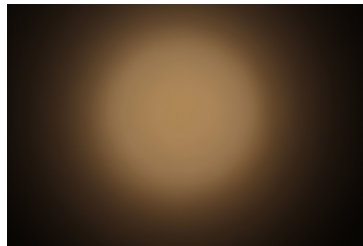
LED V22 Gen7
 FWHM / FWTM 29.0° / 59.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 431 Typ Z1



Light distribution files

bridgelux

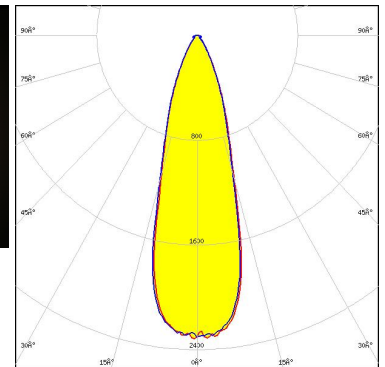
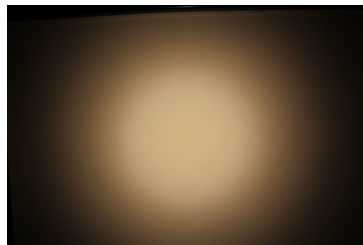
LED V22 Gen7
 FWHM / FWTM 29.0° / 59.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

bridgelux

LED V22 Gen7
 FWHM / FWTM 29.0° / 60.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: 2213480-1

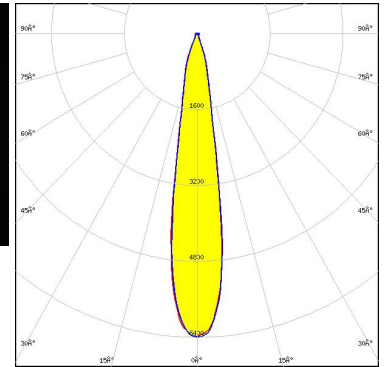
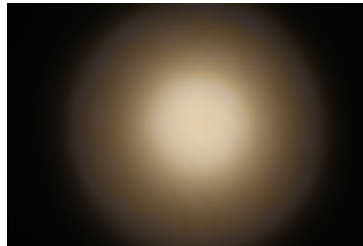


Light distribution files

OPTICAL RESULTS (MEASURED):



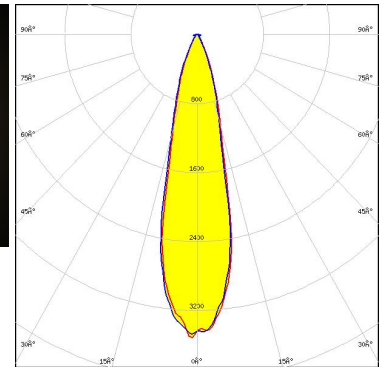
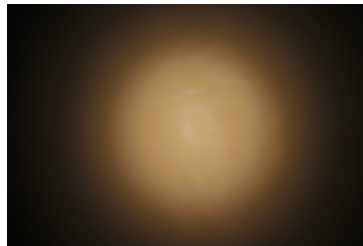
LED VERO13
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 94 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



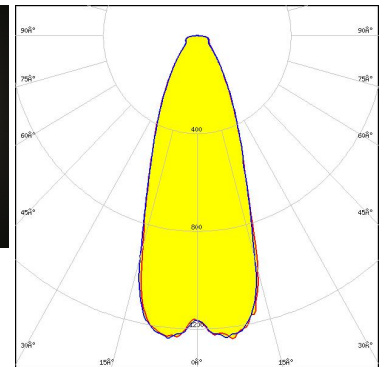
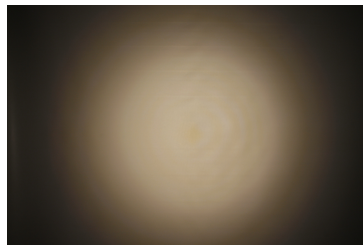
LED VERO18
 FWHM / FWTM 24.0° / 49.0°
 Efficiency 94 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED VERO29
 FWHM / FWTM 39.0° / 84.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

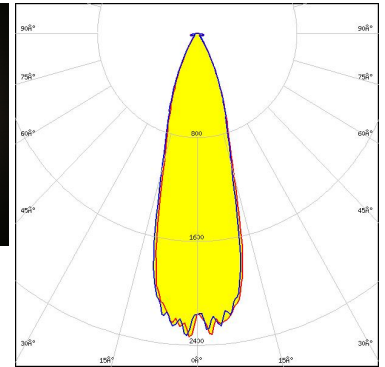
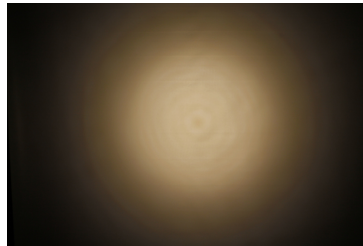


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

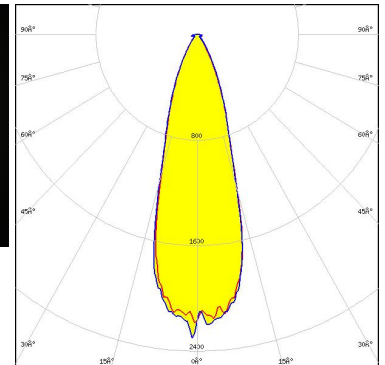
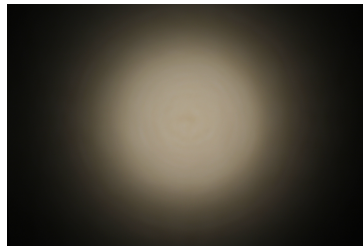
LED CLL04x/CLU04x
 FWHM / FWTM 29.0° / 58.0°
 Efficiency 94 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



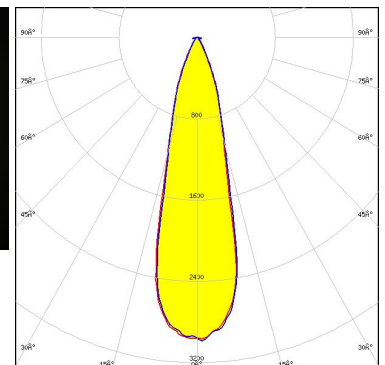
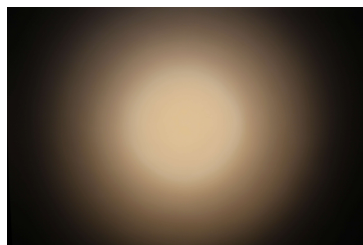
LED CXA/B 30xx
 FWHM / FWTM 31.0° / 61.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CoB 1211
 FWHM / FWTM 26.0° / 53.0°
 Efficiency 94 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 431 Typ L3

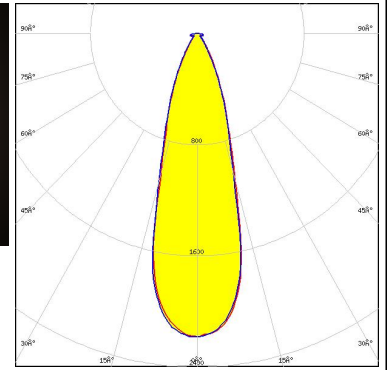
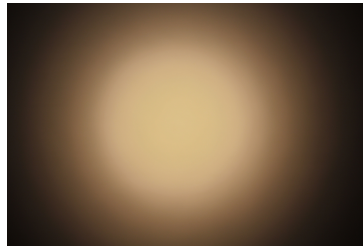


Light distribution files

OPTICAL RESULTS (MEASURED):



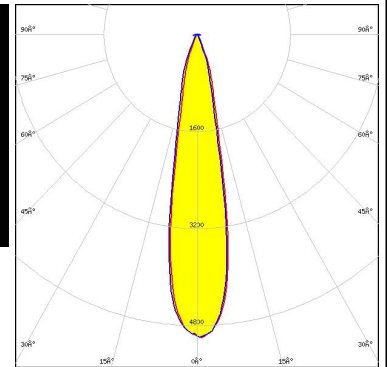
LED COB H-Type
 FWHM / FWTM 30.0° / 61.0°
 Efficiency 94 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



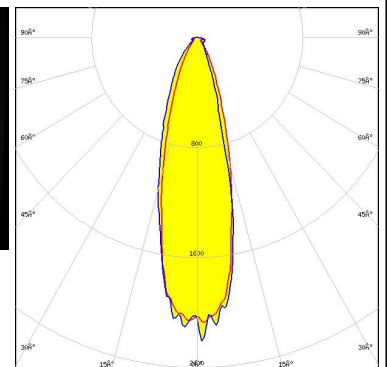
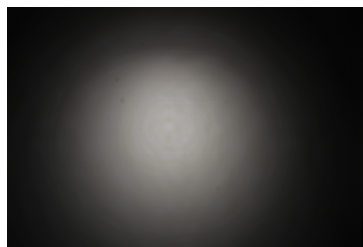
LED COB J-Type
 FWHM / FWTM 20.0° / 42.0°
 Efficiency 94 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LC040D / LC060D / LC080D
 FWHM / FWTM 29.0° / 62.0°
 Efficiency 93 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

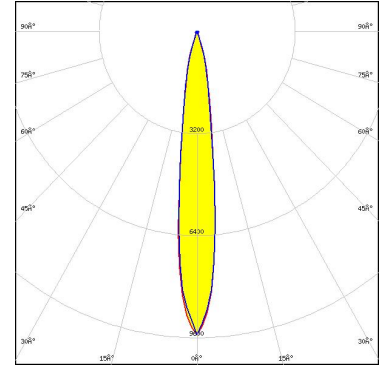
OPTICAL RESULTS (SIMULATED):



LED V10 Gen7
FWHM / FWTM 14.0° / 32.0°
Efficiency 96 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

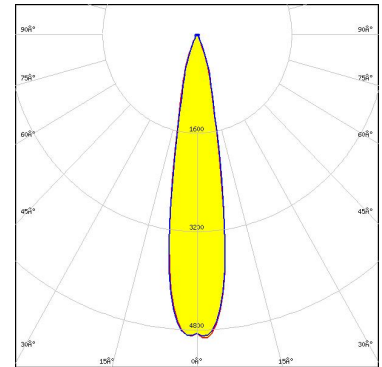
Bender Wirth: 486 Typ L1

Light distribution files



LED V13 Gen 8-9
FWHM / FWTM 20.0° / 41.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

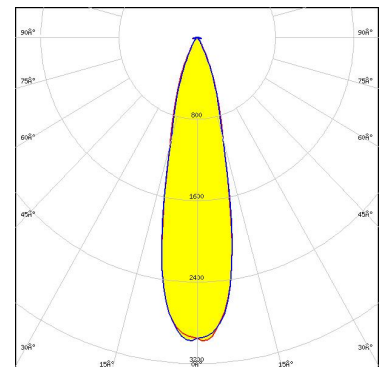
Light distribution files



LED V18 Gen 8-9
FWHM / FWTM 25.0° / 51.0°
Efficiency 85 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 462 Typ L4

Light distribution files



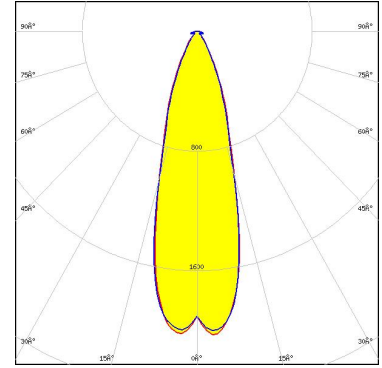
OPTICAL RESULTS (SIMULATED):



LED V22 Gen 8-9
FWHM / FWTM 30.0° / 61.0°
Efficiency 85 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

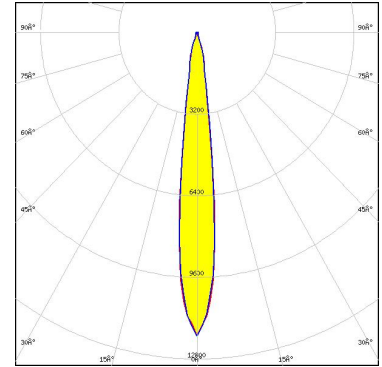
Bender Wirth: 431 Typ L4

Light distribution files



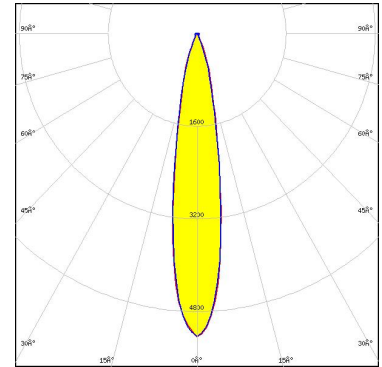
LED VERO10
FWHM / FWTM 13.0° / 28.0°
Efficiency 94 %
Peak intensity 11.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED Vesta TW 13mm (18W) DP
FWHM / FWTM 18.0° / 40.0°
Efficiency 86 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:

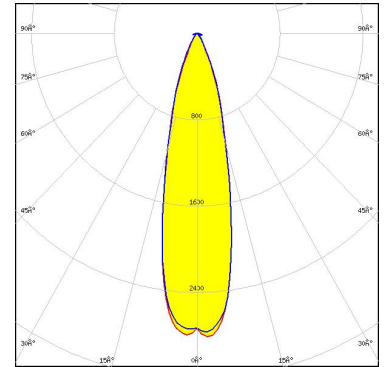
Light distribution files



OPTICAL RESULTS (SIMULATED):



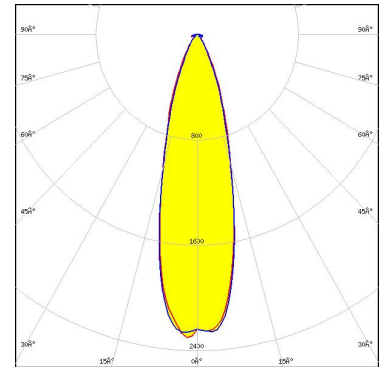
LED Vesta TW 18mm (31W) DP
 FWHM / FWTM 26.0° / 52.0°
 Efficiency 86 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:



Light distribution files



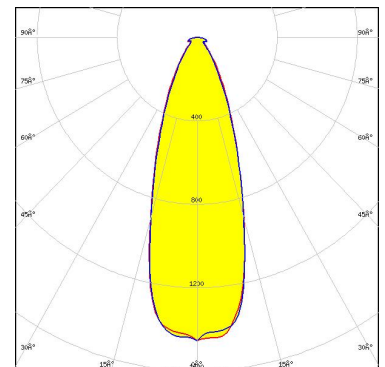
LED Vesta TW 22mm DP
 FWHM / FWTM 28.0° / 57.0°
 Efficiency 86 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:



Light distribution files



LED Vesta TW 29mm DP
 FWHM / FWTM 35.0° / 72.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:

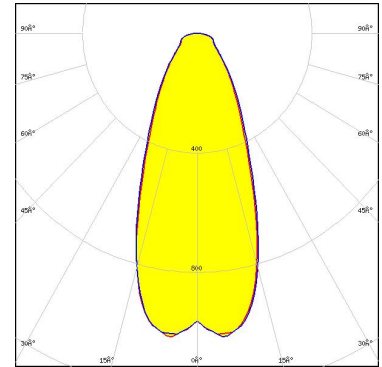


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

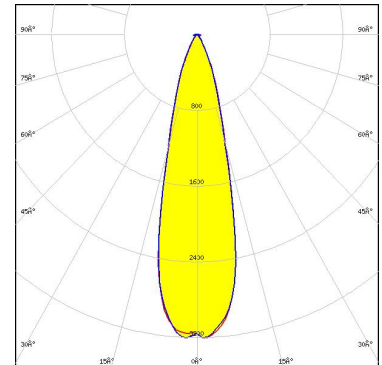
LED CLL05x/CLU05x
 FWHM / FWTM 43.0° / 98.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



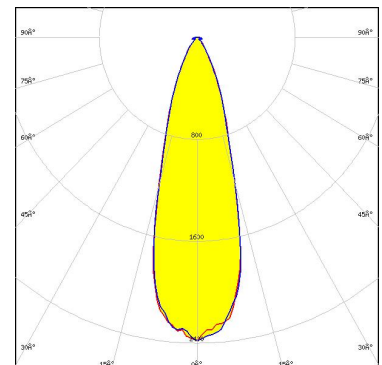
LED CMA2550
 FWHM / FWTM 27.0° / 52.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CMA3090
 FWHM / FWTM 30.0° / 60.0°
 Efficiency 94 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



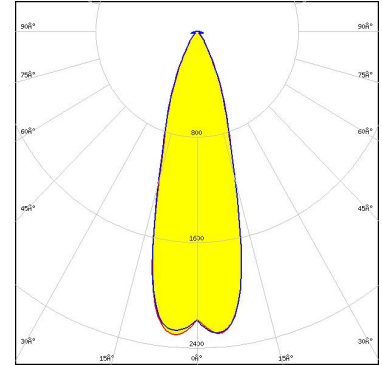
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CMU22xx
 FWHM / FWTM 30.0° / 59.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

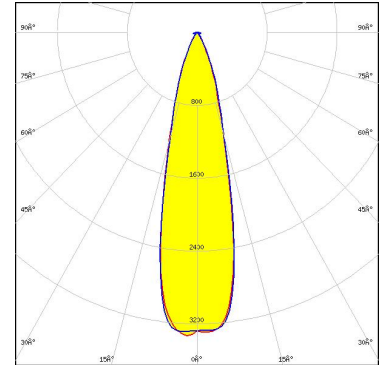
Bender Wirth: 431 Typ L4



Light distribution files



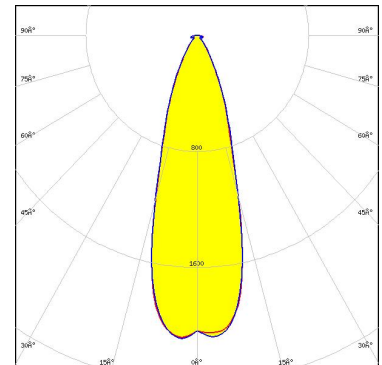
LED CXA/B 25xx
 FWHM / FWTM 25.0° / 50.0°
 Efficiency 94 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 31.0° / 63.0°
 Efficiency 94 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

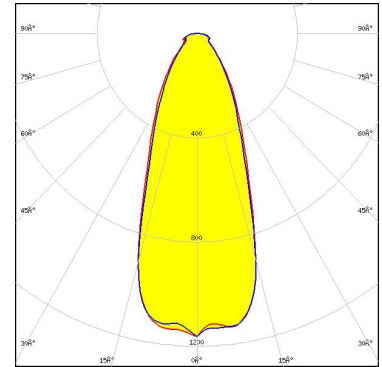


Light distribution files

OPTICAL RESULTS (SIMULATED):



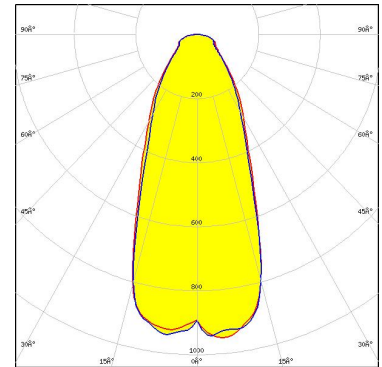
LED LUXEON CoB 1321
 FWHM / FWTM 41.0° / 89.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



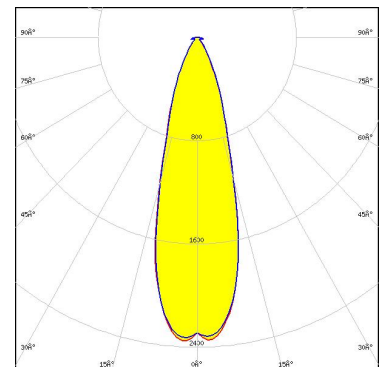
LED LUXEON CoB 1825
 FWHM / FWTM 44.1° / 102.3°
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files




LED CxM-22 (28x28)
 FWHM / FWTM 30.0° / 60.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



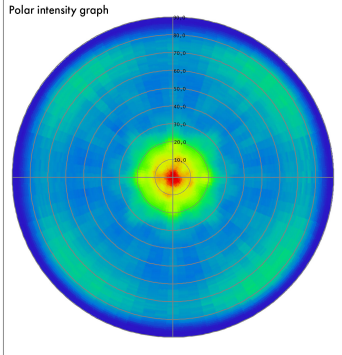
Bender Wirth: 431 Typ L4

Light distribution files

OPTICAL RESULTS (SIMULATED):




LED: XFM-5050 3 Die
 FWHM / FWTM: 40.0° / 164.0°
 Efficiency: 42 %
 LEDs/each optic: 21
 Light colour/type: UV-C
 Required components:



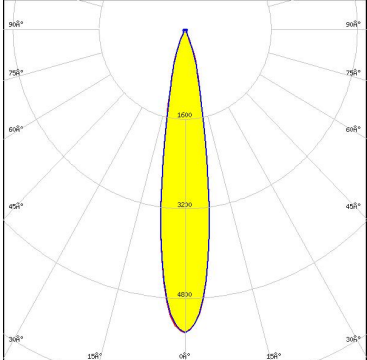
Polar intensity graph

The UVC LED result tolerance is $\pm 10\%$


Light distribution files



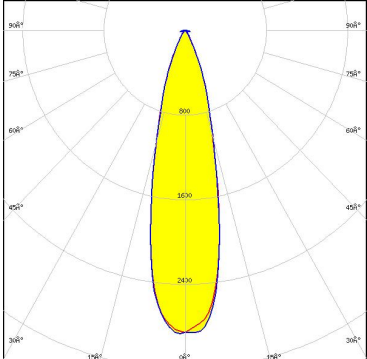
LED: Fortimo SLM L13 CoB
 FWHM / FWTM: 18.0° / 40.0°
 Efficiency: 85 %
 Peak intensity: 5.4 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



LED: Fortimo SLM L19 CoB
 FWHM / FWTM: 26.0° / 52.0°
 Efficiency: 85 %
 Peak intensity: 2.9 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:

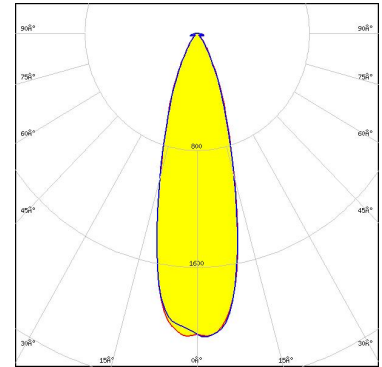


Light distribution files

OPTICAL RESULTS (SIMULATED):

PHILIPS

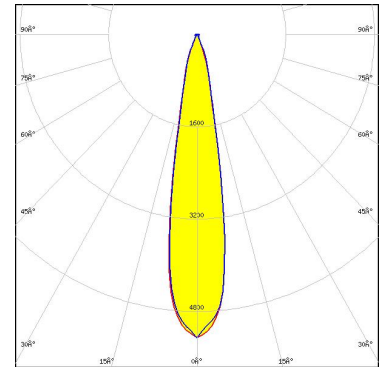
LED	Fortimo SLM L23 CoB
FWHM / FWTM	30.0° / 59.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

TRIDONIC

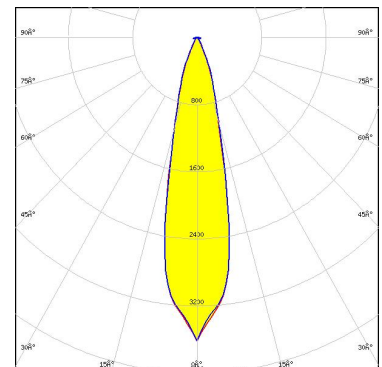
LED	SLE 13mm 3000lm xxx R ADV8
FWHM / FWTM	20.0° / 40.0°
Efficiency	86 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

TRIDONIC

LED	SLE 17mm 5000lm xxx R ADV8
FWHM / FWTM	24.0° / 48.0°
Efficiency	86 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 466 Typ L4

Light distribution files

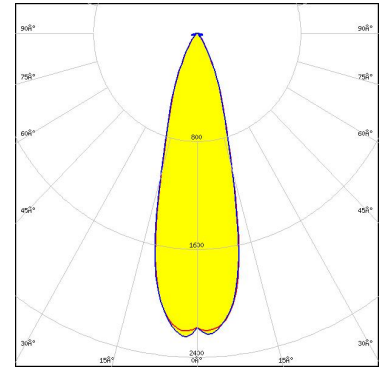
OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE 21mm 6000lm xxx R ADV8
FWHM / FWTM	30.0° / 58.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 466 Typ L4

Light distribution files



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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LEDiL Oy

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P.R.CHINA

Local sales and technical support

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

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

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