

STELLA-FRESNEL

~25° street beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size COBs. Variant with white frame.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	23 mm
Fastening	screw
ROHS compliant	yes ⓘ

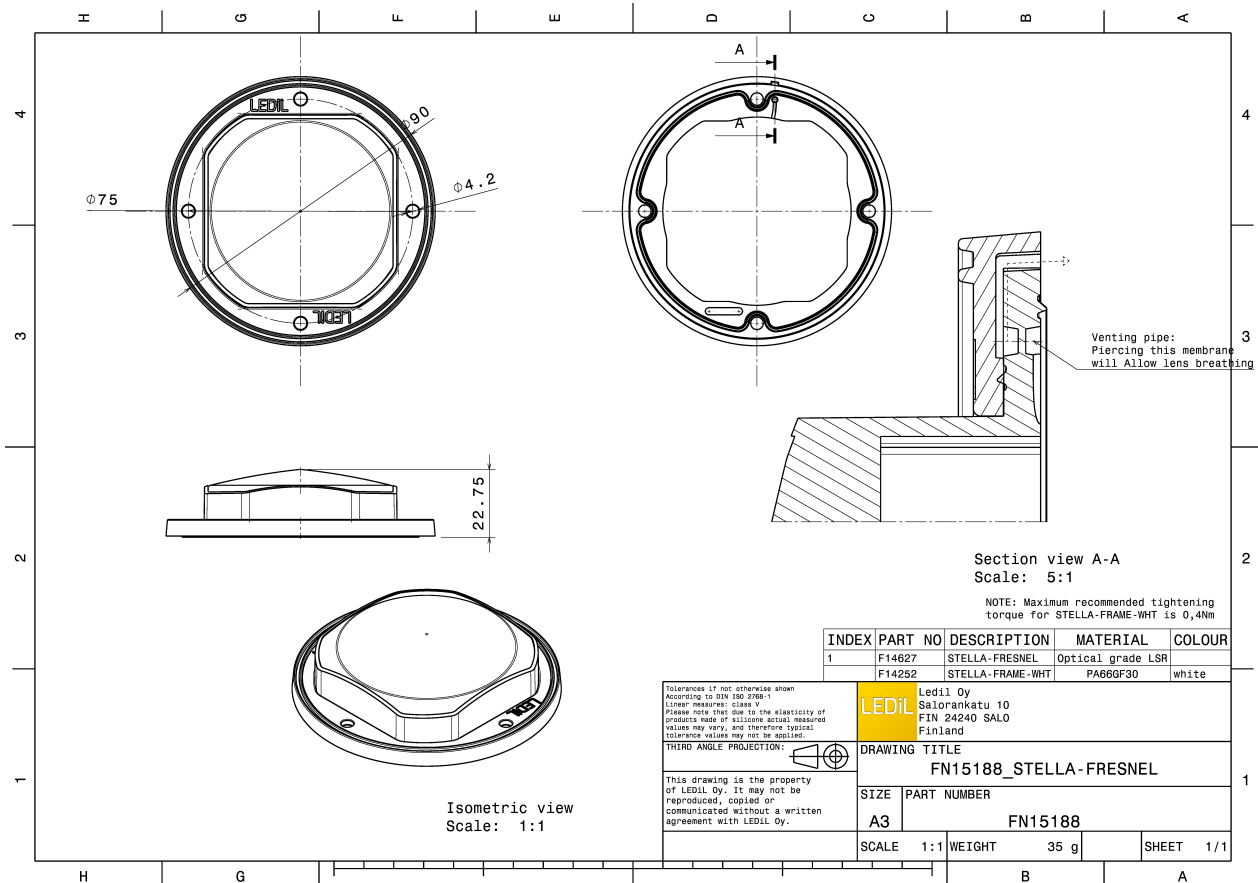
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STELLA-FRESNEL	Single lens	Silicone	clear	
STELLA-FRAME-WHT	Holder	PA66	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15188_STELLA-FRESNEL	Single lens	135	135	15	6.1
» Box size: 480 x 280 x 300 mm					

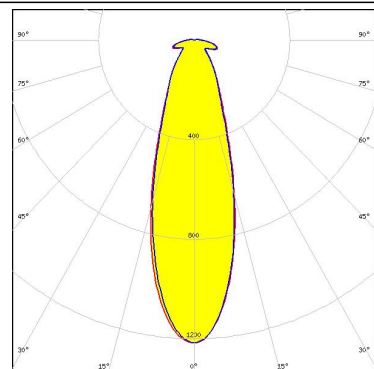
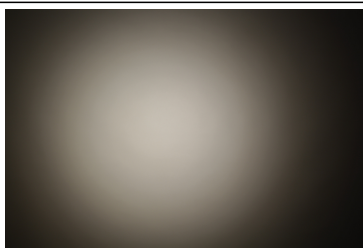




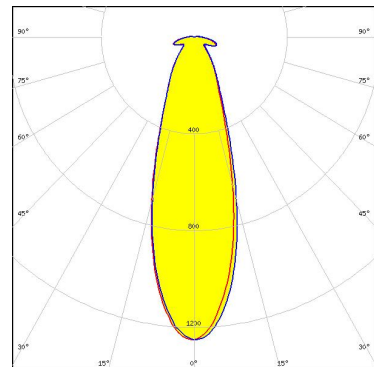
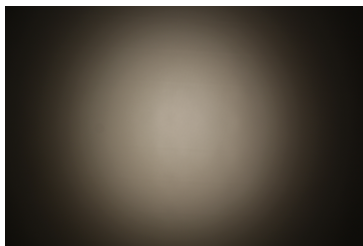
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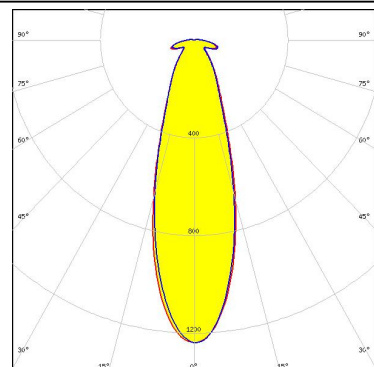
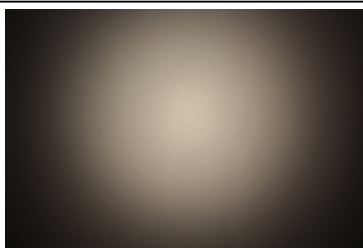
LED V18 Gen7
FWHM 32.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 439 Typ L3



LED Vero SE 18
FWHM 32.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

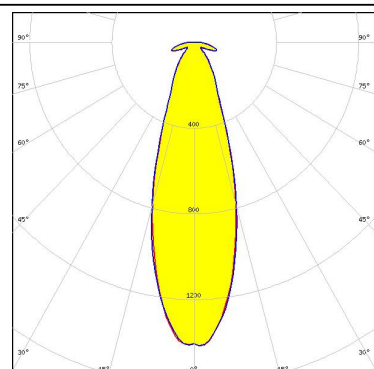


LED VERO18
FWHM 32.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CITIZEN

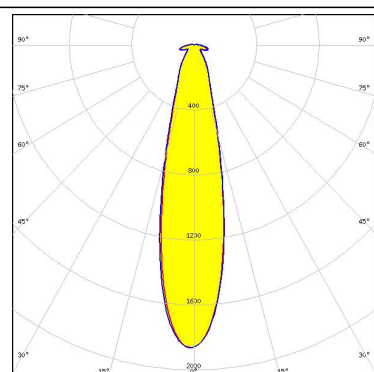
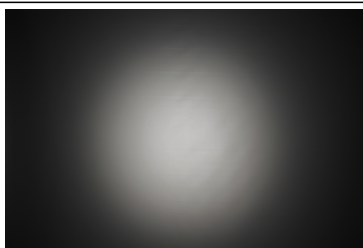
LED CLL04x/CLU04x
FWHM 36.0°
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



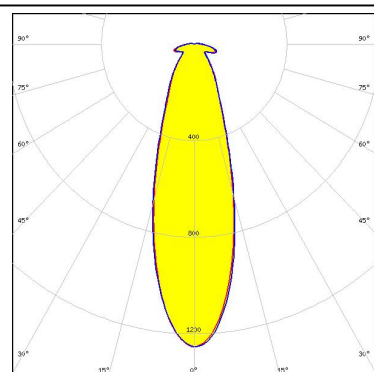
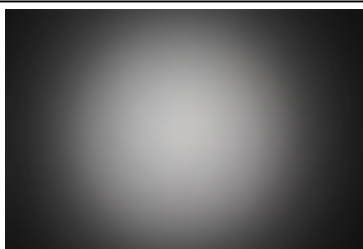
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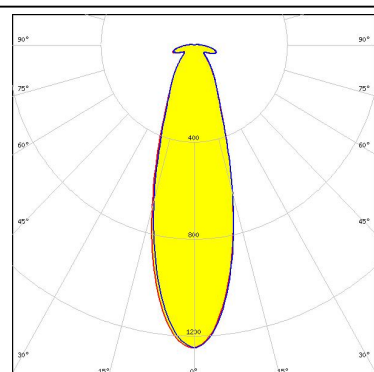
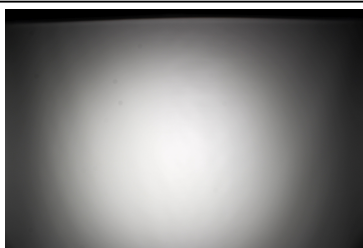
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 24.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED CXA/B 25xx
 FWHM 32.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 439 Typ L3



LED CXA/B 25xx
 FWHM 31.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

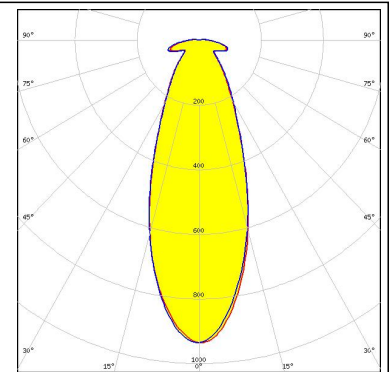
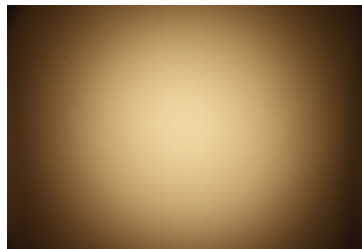


LED LUXEON CoB 1216/1812
 FWHM 39.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

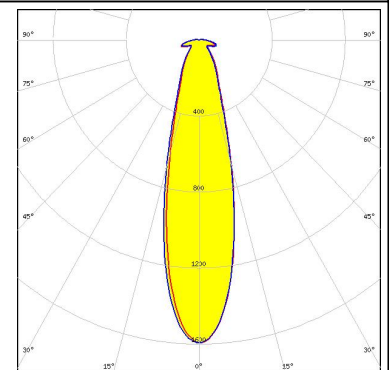
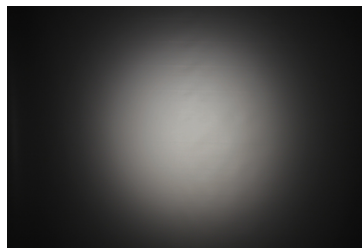
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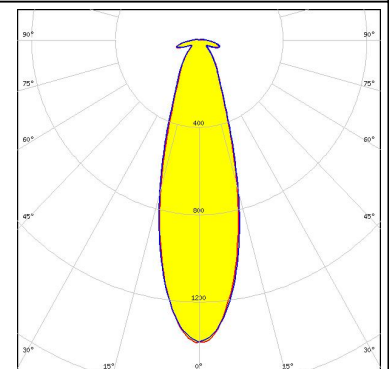
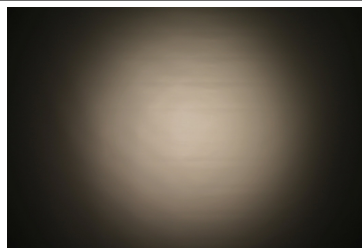
LED CxM-22 (28x28)
 FWHM 39.0°
 Efficiency 88 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ L3



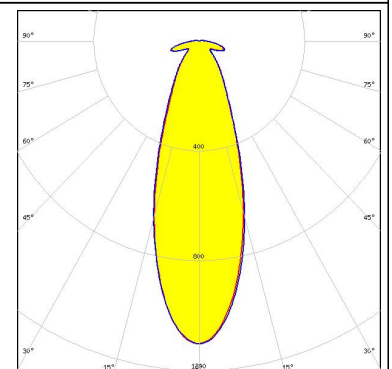
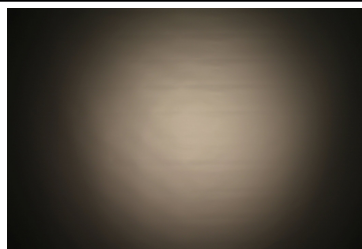
LED COB J-Type
 FWHM 26.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Fortimo SLM L19 CoB
 FWHM 31.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



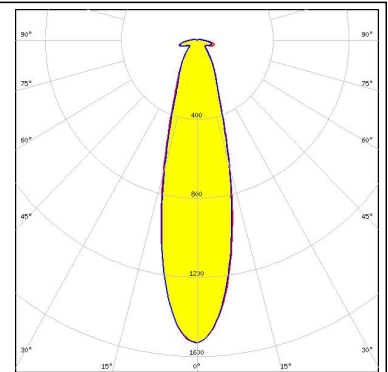
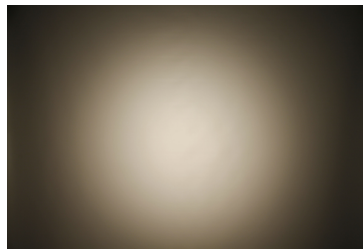
LED Fortimo SLM L23 CoB
 FWHM 35.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



PHOTOMETRIC DATA (MEASURED):

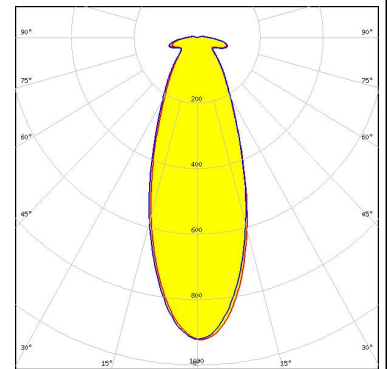
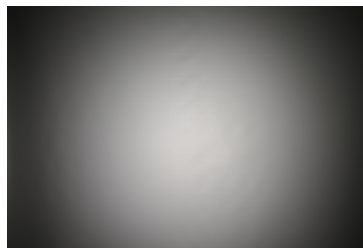
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 28.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

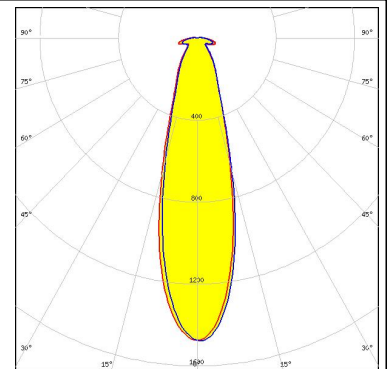
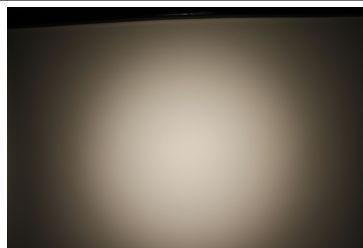


SAMSUNG

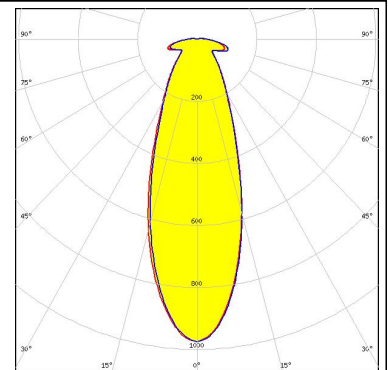
LED LC040D / LC060D / LC080D
 FWHM 38.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED MJT COB LES 14.5
 FWHM 28.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2103CT



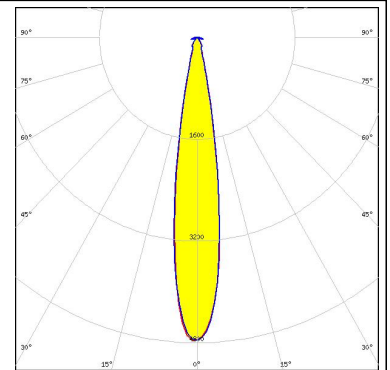
LED MJT COB LES 22
 FWHM 36.0°
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204CT



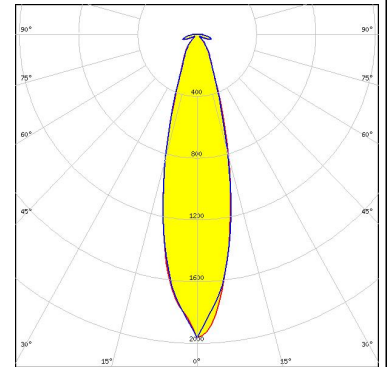
PHOTOMETRIC DATA (SIMULATED):



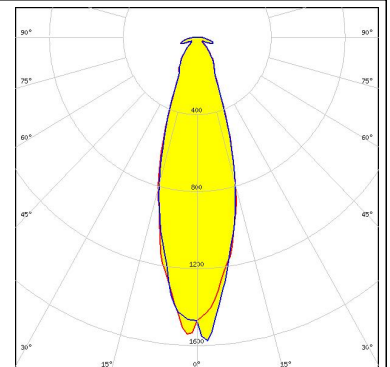
LED V10 Gen7
FWHM 17.0°
Efficiency 85 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 486 Typ L1



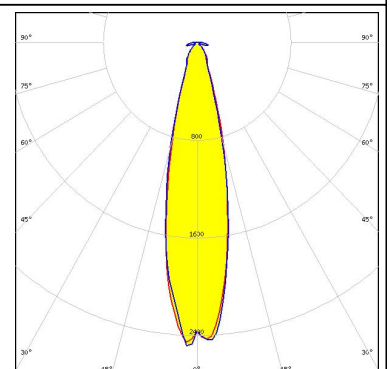
LED V18 Gen7
FWHM 26.0°
Efficiency 85 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2350



LED V22 Gen7
FWHM 30.0°
Efficiency 84 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204CT



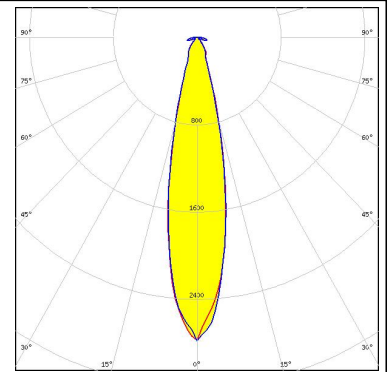
LED CXA/B 25xx
FWHM 24.0°
Efficiency 86 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED	LUXEON CoB 1208
FWHM	22.0°
Efficiency	85 %
Peak intensity	2.8 cd/Im
LEDs/each optic	1
Light colour	White
Required components:	



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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