



**THE DATASHEET OF
FN14074_STELLA-HB**



STELLA-HB

~75° high bay beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size. Variant with black frame. COBs.

SPECIFICATION:

Dimensions	Ø 90.0
Height	19.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

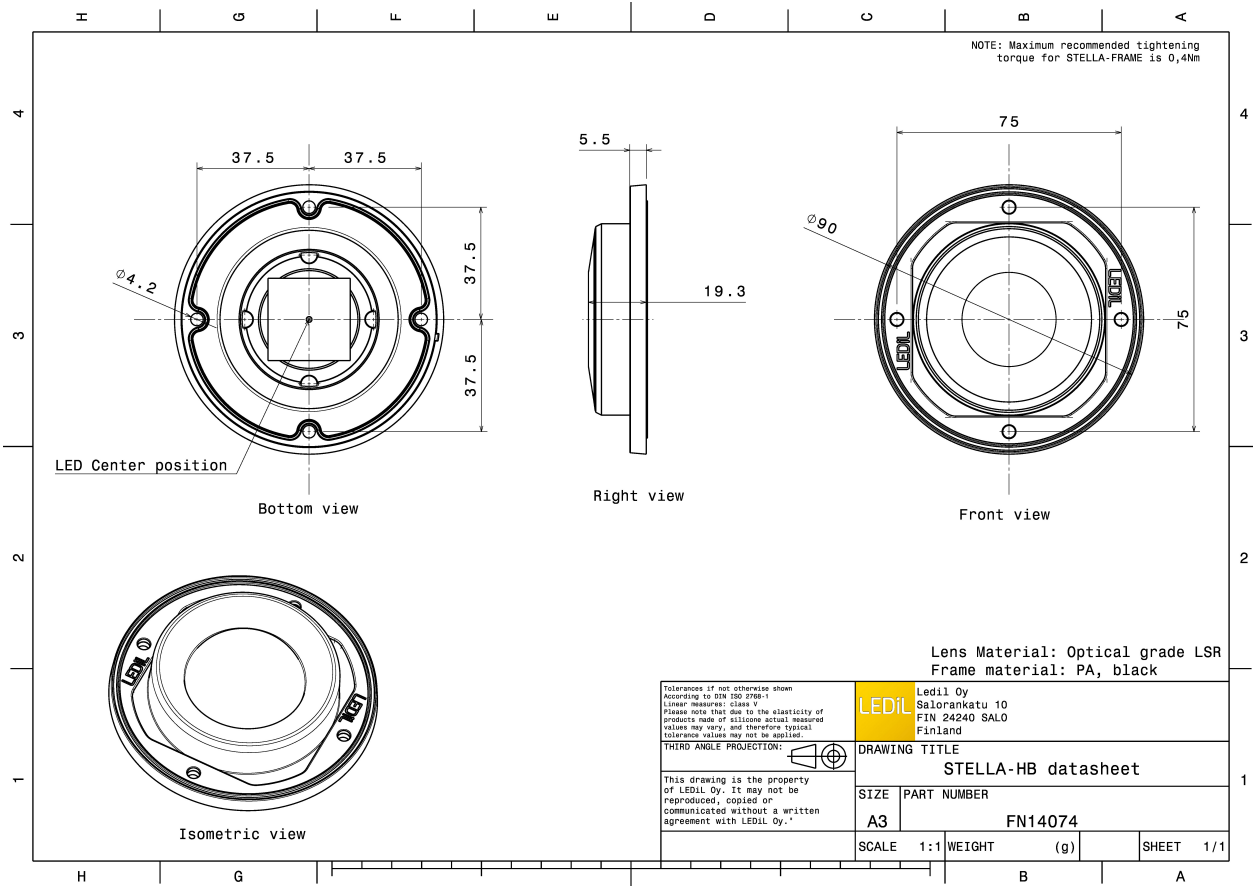


MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN14074_STELLA-HB	Single lens	135	135	15	7.9
» Box size: 480 x 280 x 300 mm					

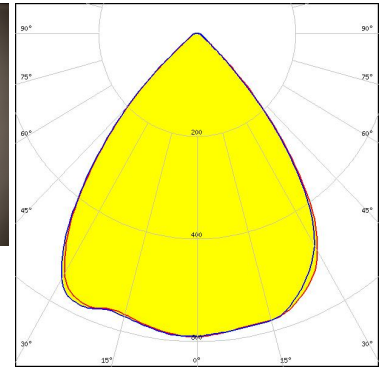
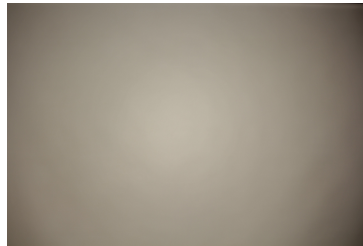


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

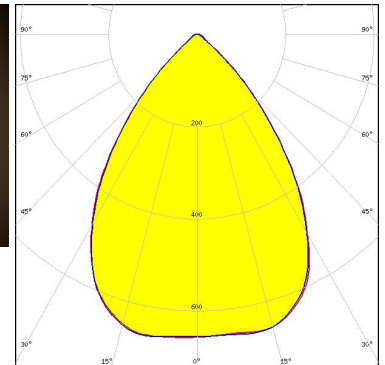
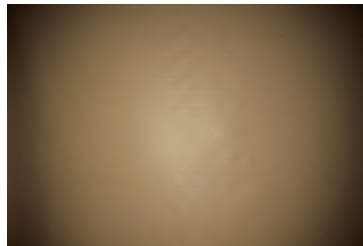
LED V18 Gen7
 FWHM / FWTM 80.0° / 101.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

bridgelux

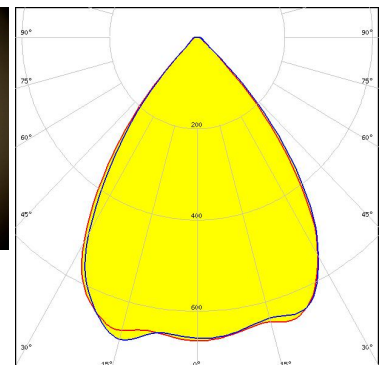
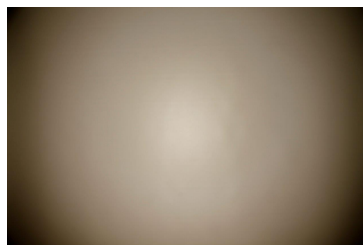
LED V22 Gen7
 FWHM / FWTM 75.0° / 101.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

bridgelux

LED VERO18
 FWHM / FWTM 75.0° / 96.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

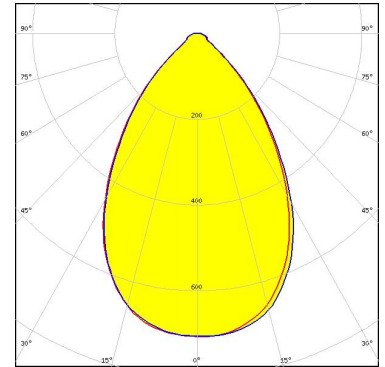


Light distribution files

OPTICAL RESULTS (MEASURED):



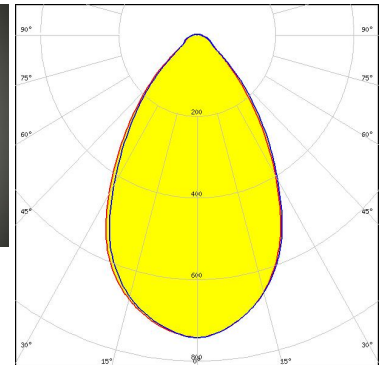
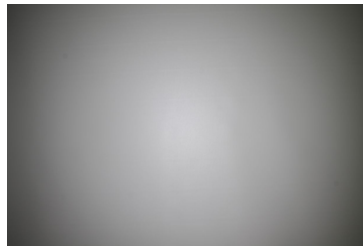
LED VERO29
FWHM / FWTM 69.0° / 104.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

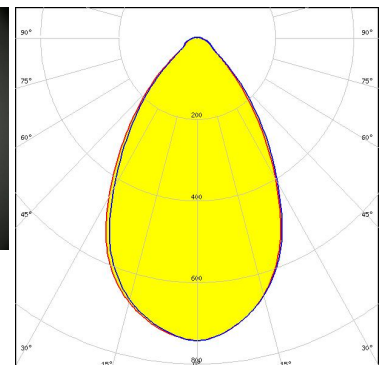
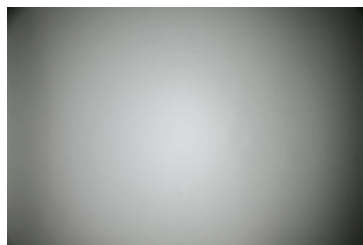
LED CLL05x/CLU05x
FWHM / FWTM 65.0° / 103.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 458 Typ L4



Light distribution files

CITIZEN

LED CLL05x/CLU05x
FWHM / FWTM 73.0° / 110.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

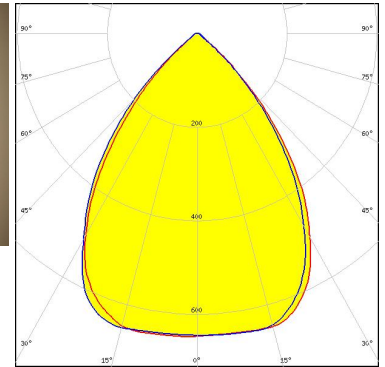
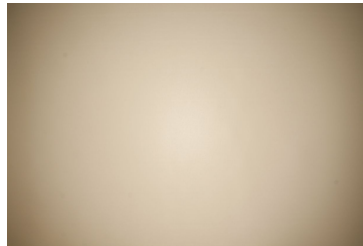


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

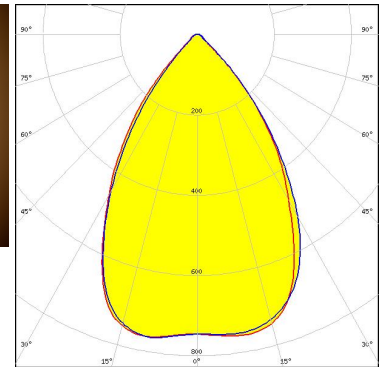
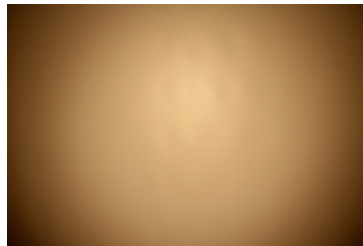
LED CLU04x
 FWHM / FWTM 77.0° / 101.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

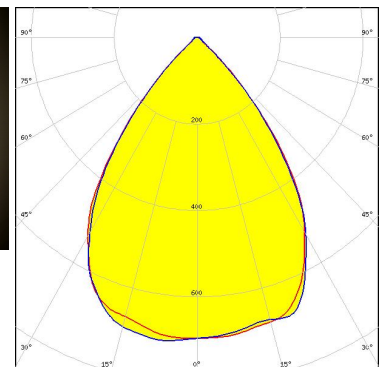
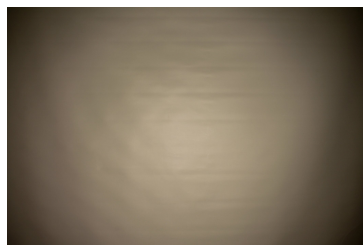
LED CLU04x
 FWHM / FWTM 68.0° / 94.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 431 Typ L4



Light distribution files



LED CMA2550
 FWHM / FWTM 74.0° / 96.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

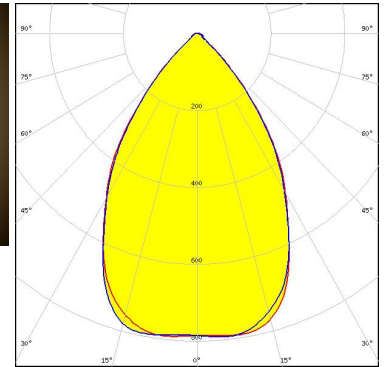


Light distribution files

OPTICAL RESULTS (MEASURED):



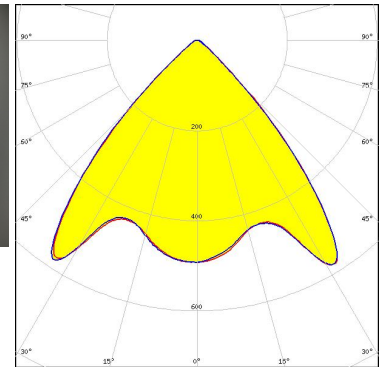
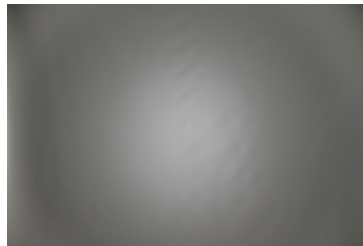
LED CMA3090
 FWHM / FWTM 67.0° / 96.0°
 Efficiency 96 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



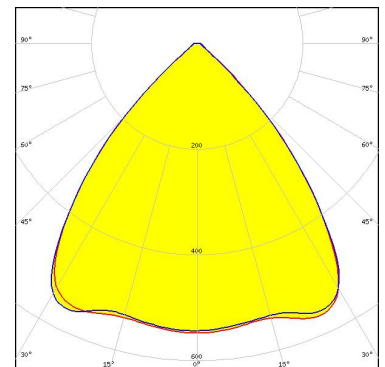
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 87.0° / 104.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CXA/B 25xx
 FWHM / FWTM 83.0° / 102.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

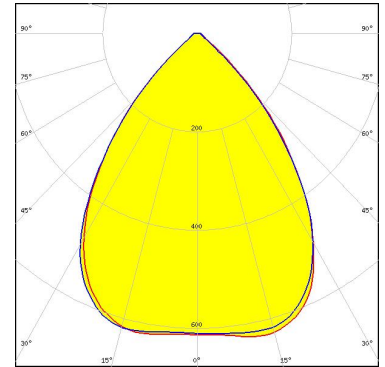


Light distribution files

OPTICAL RESULTS (MEASURED):



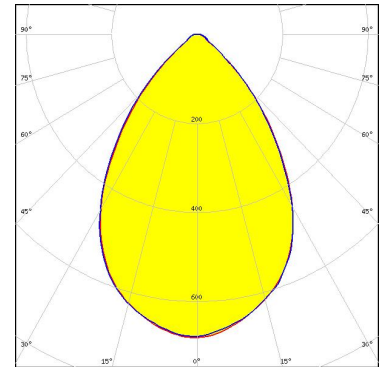
LED CXA/B 30xx
FWHM / FWTM 78.0° / 103.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



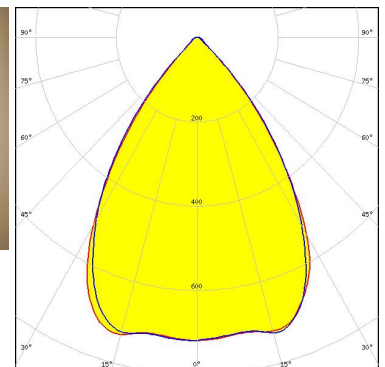
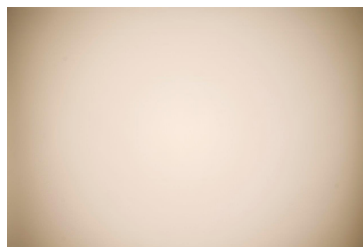
LED CXA/B 3590
FWHM / FWTM 72.0° / 106.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON CoB 1211
FWHM / FWTM 71.0° / 93.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

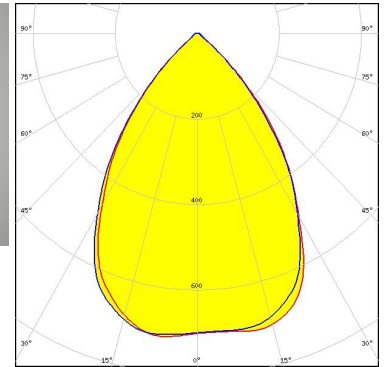


Light distribution files

OPTICAL RESULTS (MEASURED):



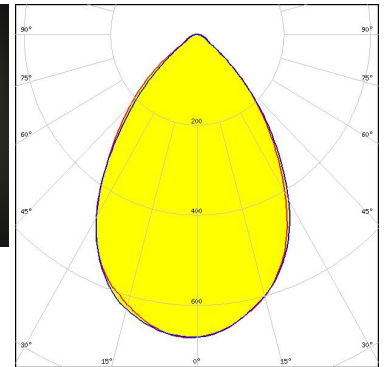
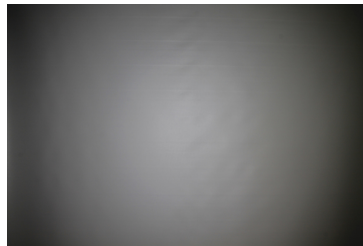
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 72.0° / 99.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



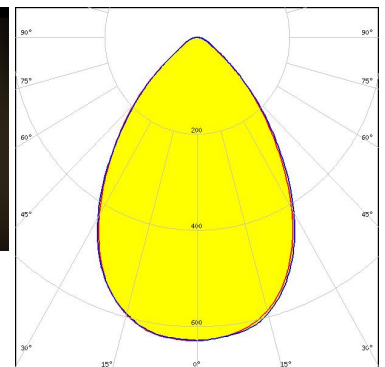
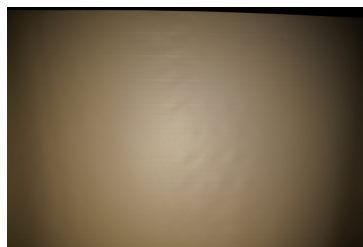
LED LUXEON CoB 1321
FWHM / FWTM 71.0° / 108.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON CoB 1825
FWHM / FWTM 72.0° / 111.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

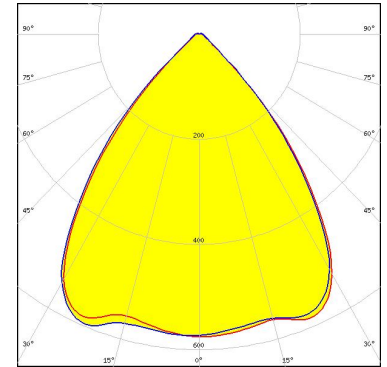


Light distribution files

OPTICAL RESULTS (MEASURED):



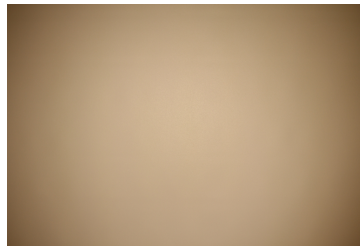
LED CxM-18 (21.5x21.5)
FWHM / FWTM 80.0° / 100.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



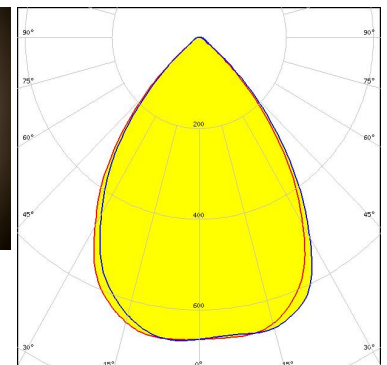
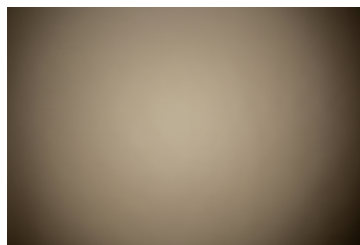
LED CxM-22 (28x28)
FWHM / FWTM 73.0° / 100.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED COB H-Type
FWHM / FWTM 74.0° / 102.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

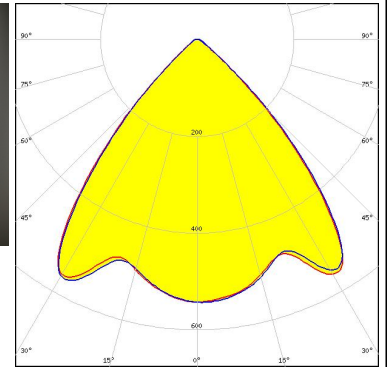
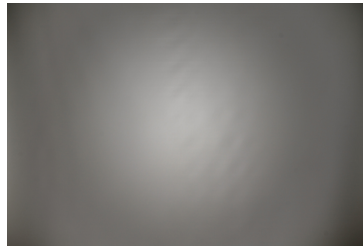


Light distribution files

OPTICAL RESULTS (MEASURED):



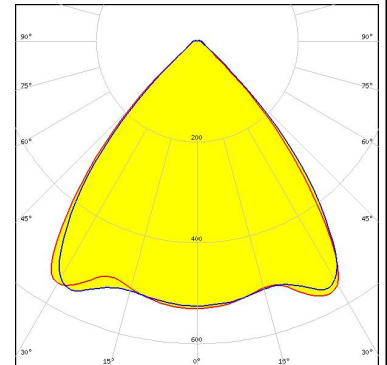
LED COB J-Type
FWHM / FWTM 84.0° / 102.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



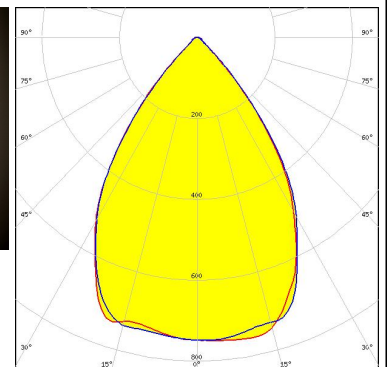
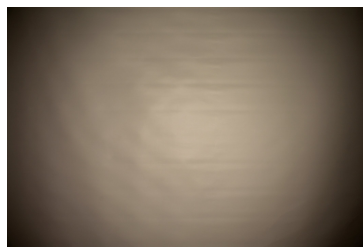
LED Soleriq S19
FWHM / FWTM 84.0° / 101.0°
Efficiency 92 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Fortimo SLM L19 CoB
FWHM / FWTM 71.0° / 94.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 431 Typ L4

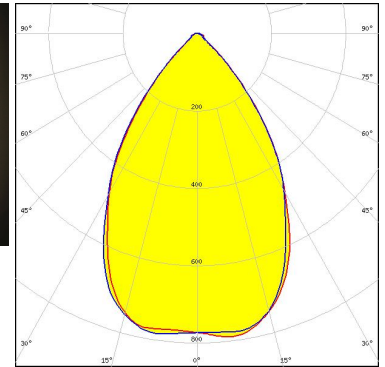


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

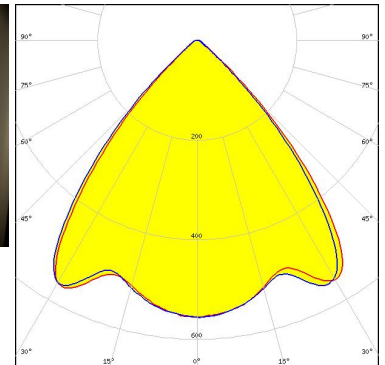
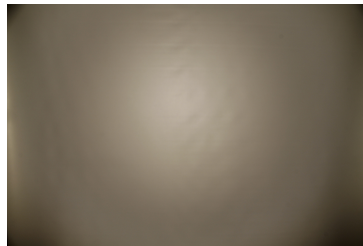
LED Fortimo SLM L23 CoB
FWHM / FWTM 67.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 431 Typ L4



Light distribution files

SAMSUNG

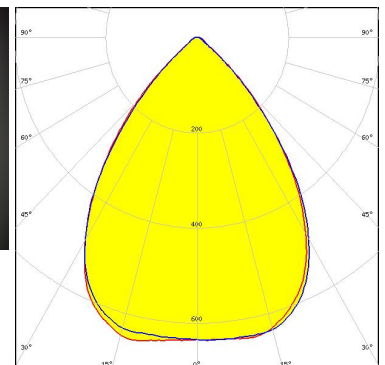
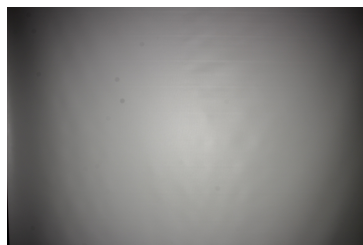
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 83.0° / 101.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LC040D / LC060D / LC080D
FWHM / FWTM 76.0° / 102.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

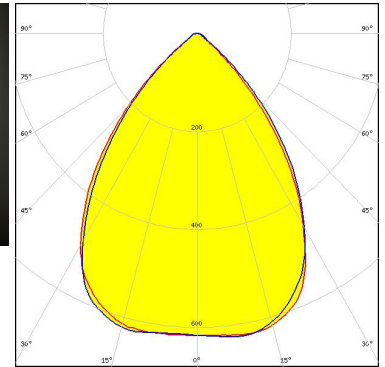
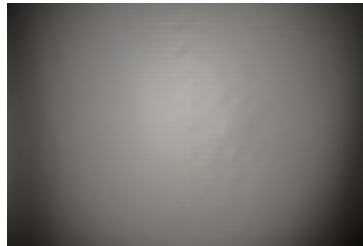


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

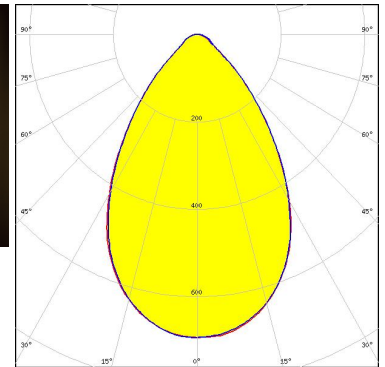
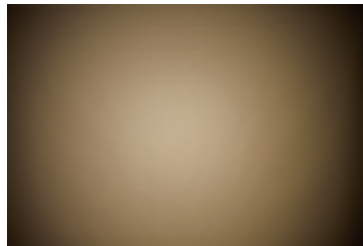
LED LC040D / LC060D / LC080D
FWHM / FWTM 77.0° / 104.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED MJT COB LES 33
FWHM / FWTM 68.0° / 106.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 458 Typ L4

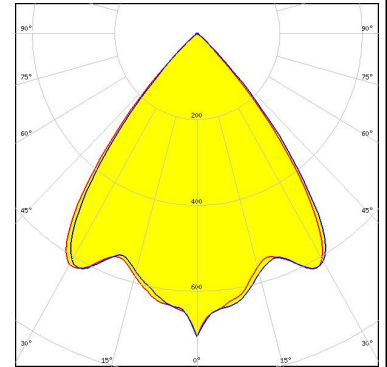


Light distribution files

OPTICAL RESULTS (SIMULATED):



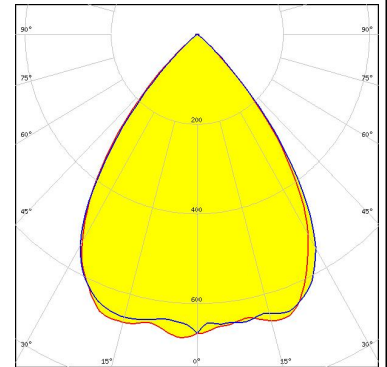
LED V13 Gen 8-9
FWHM / FWTM 78.0° / 94.0°
Efficiency 91 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED V18 Gen 8-9
FWHM / FWTM 76.0° / 96.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

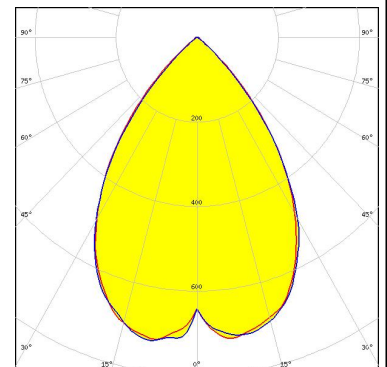


Bender Wirth: 462 Typ L4

Light distribution files



LED V22 Gen 8-9
FWHM / FWTM 72.0° / 97.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Bender Wirth: 431 Typ L4

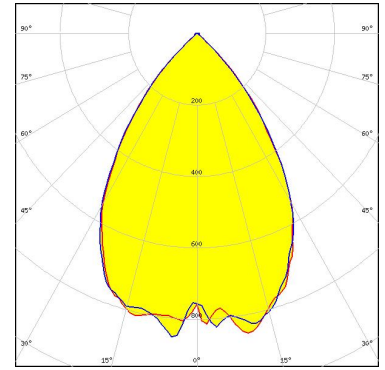
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED V22 Gen7
FWHM / FWTM 68.0° / 92.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

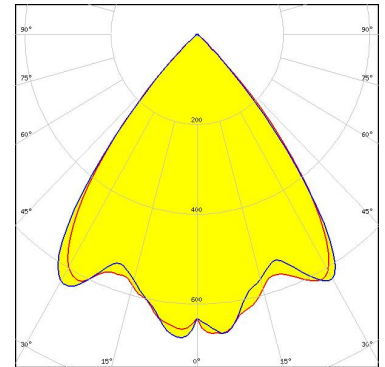
Bender Wirth: 431 Typ L4



Light distribution files



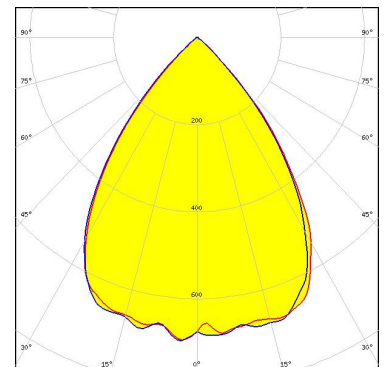
LED Vesta TW 13mm (18W) DP
FWHM / FWTM 78.0° / 93.0°
Efficiency 91 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:



Light distribution files



LED Vesta TW 18mm (31W) DP
FWHM / FWTM 75.0° / 96.0°
Efficiency 91 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:

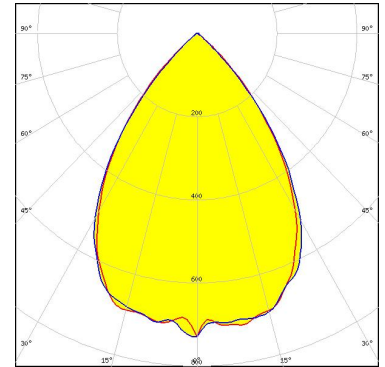


Light distribution files

OPTICAL RESULTS (SIMULATED):



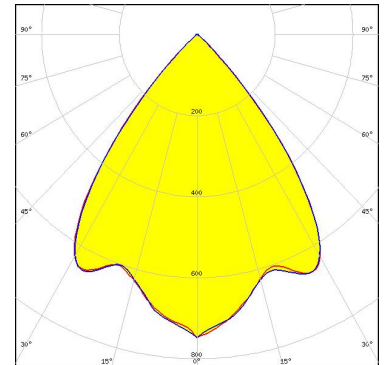
LED Vesta TW 22mm DP
 FWHM / FWTM 72.0° / 97.0°
 Efficiency 91 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:



Light distribution files

CITIZEN

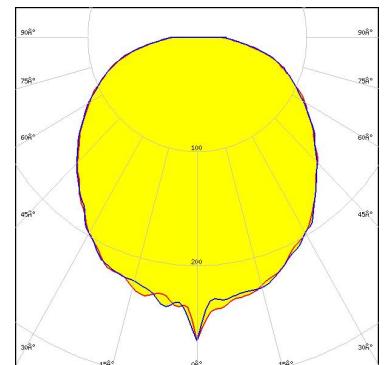
LED CLU03x
 FWHM / FWTM 76.0° / 93.0°
 Efficiency 96 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CMA1303
 FWHM / FWTM 106.0° / 177.0°
 Efficiency 75 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

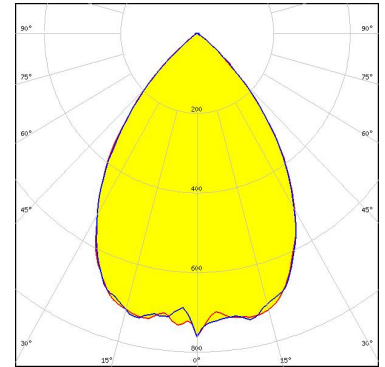


Light distribution files

OPTICAL RESULTS (SIMULATED):



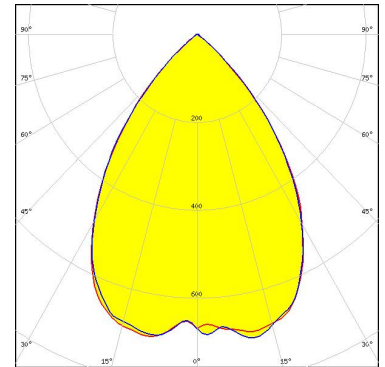
LED CMA3090
FWHM / FWTM 73.0° / 100.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



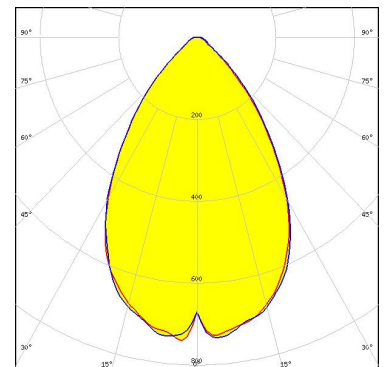
LED CMT28xx
FWHM / FWTM 73.0° / 98.0°
Efficiency 91 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED CXM-32
FWHM / FWTM 68.0° / 104.0°
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

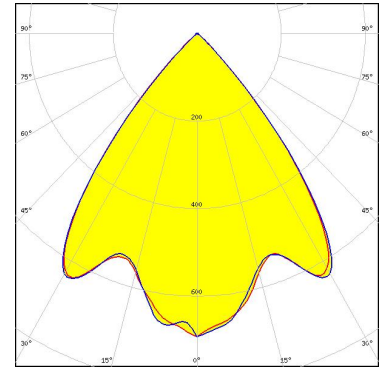


Light distribution files

OPTICAL RESULTS (SIMULATED):

PHILIPS

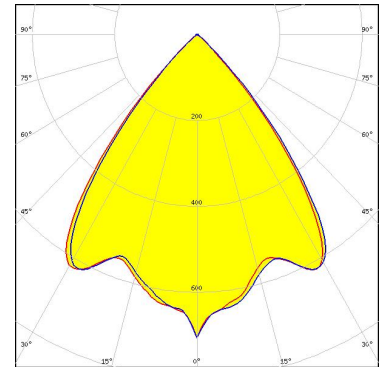
LED	Fortimo SLM L13 CoB
FWHM / FWTM	78.0° / 92.0°
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

TRIDONIC

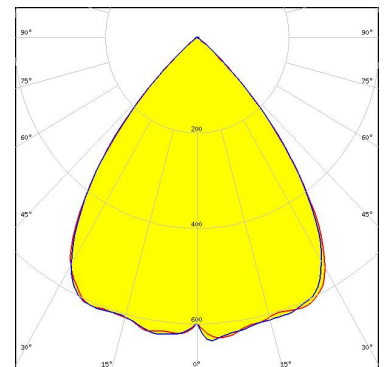
LED	SLE 13mm 3000lm xxx R ADV8
FWHM / FWTM	82.0° / 96.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

TRIDONIC

LED	SLE 17mm 5000lm xxx R ADV8
FWHM / FWTM	78.0° / 98.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 466 Typ L4

Light distribution files

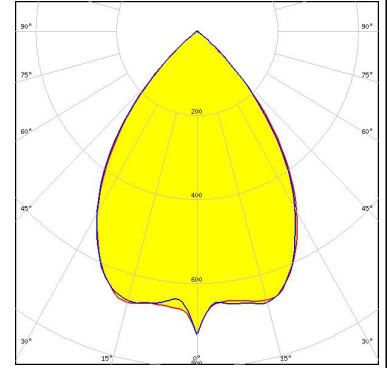
OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE 21mm 6000lm xxx R ADV8
FWHM / FWTM	73.0° / 99.0°
Efficiency	91 %
Peak intensity	0.7 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.

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