

AMY-110-M

~24° medium beam

SPECIFICATION:

Dimensions	Ø 109.7
Height	17.1 mm
Fastening	socket
ROHS compliant	yes ⓘ

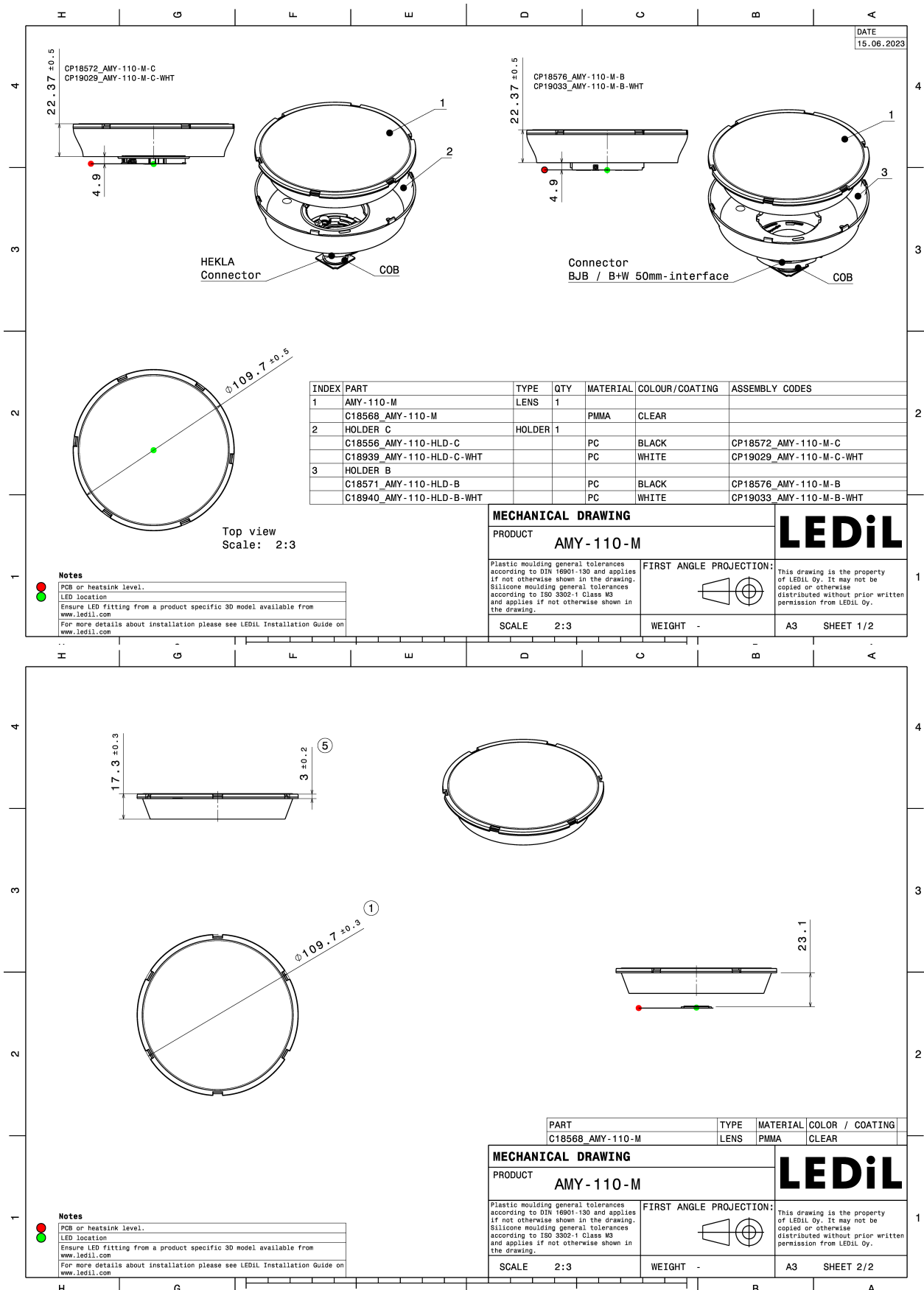
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-110-M	Single lens	PMMA	clear		
AMY-110-HLD-C	Holder C	PC	black		
AMY-110-HLD-B	Holder B	PC	black		
AMY-110-HLD-C-WHT	Holder C	PC	white		
AMY-110-HLD-B-WHT	Holder B	PC	white		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18568_AMY-110-M	128	128	8	10.8
Assembly				
CP19033_AMY-110-M-B-WHT	77	77	7	8.5
CP19029_AMY-110-M-C-WHT	77	77	7	8.5
CP18576_AMY-110-M-B	77	77	7	8.5
CP18572_AMY-110-M-C	77	77	7	8.6

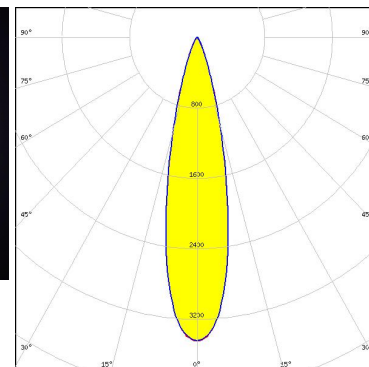
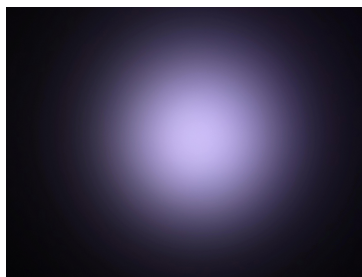


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



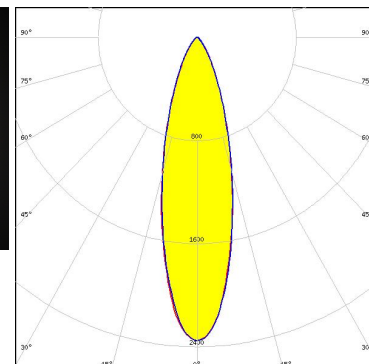
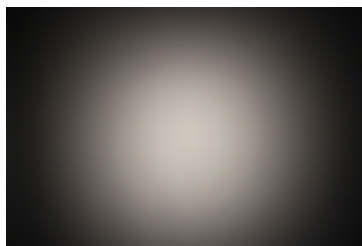
LED BXRV-D10-RGBW2000-A3
Ordering code CP18572_AMY-110-M-C
FWHM / FWTM 24.0° / 44.0°
Efficiency 78 %
Peak intensity 3.4 cd/lm
LEDs/each optic 28
Light colour/type RGBW
Required components:
 C19950_HEKLA-SOCKET-RZ



Light distribution files

CITIZEN

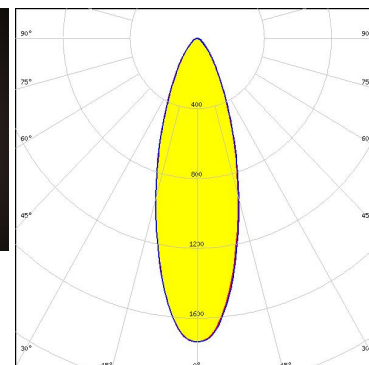
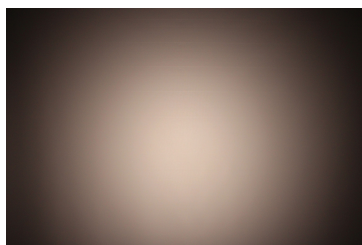
LED LCN-C07A
Ordering code C18568_AMY-110-M
FWHM / FWTM 28.0° / 61.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED LCN-C08A
Ordering code C18568_AMY-110-M
FWHM / FWTM 33.0° / 72.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type White
Required components:

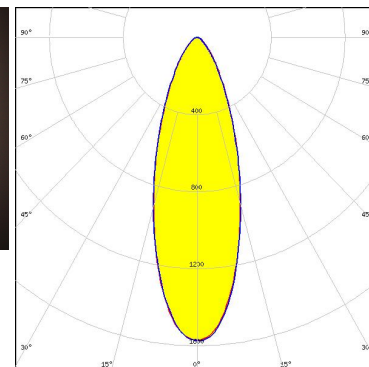
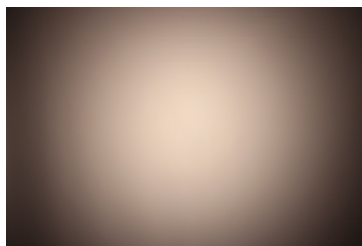


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

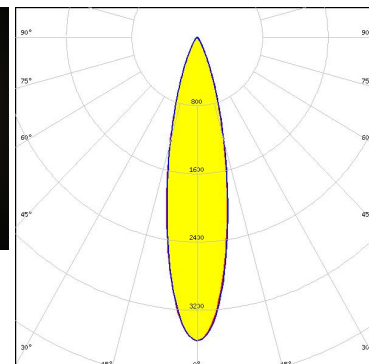
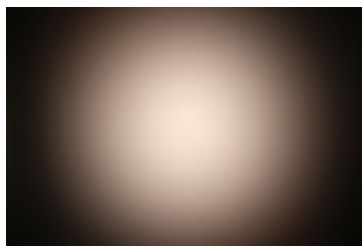
LED LCN-C09A
 Ordering code C18568_AMY-110-M
 FWHM / FWTM 34.0° / 75.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CTM-14 (Tunable White) Gen2
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 49.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8

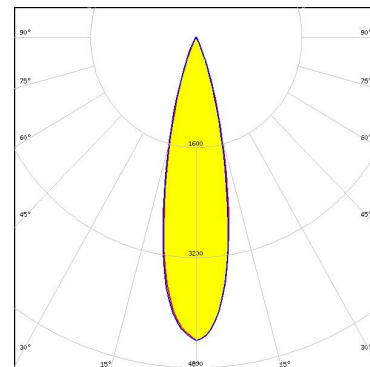


Light distribution files

OPTICAL RESULTS (SIMULATED):



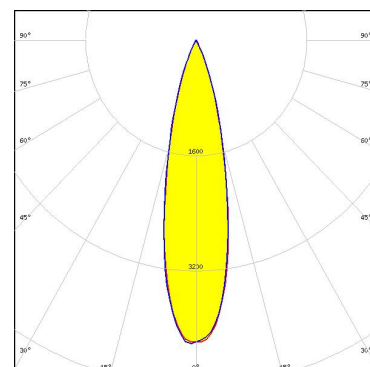
LED V10 Gen 8-9
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 44.0°
 Efficiency 93 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



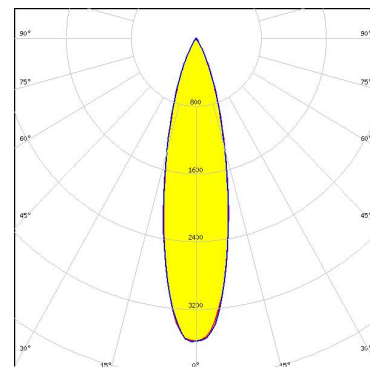
LED V11 HD Gen 8
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 46.0°
 Efficiency 93 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED V13 Gen 8-9
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 26.0° / 52.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

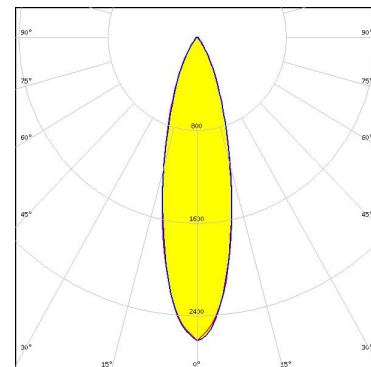


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED V18 Gen 8-9
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 59.0°
 Efficiency 86 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

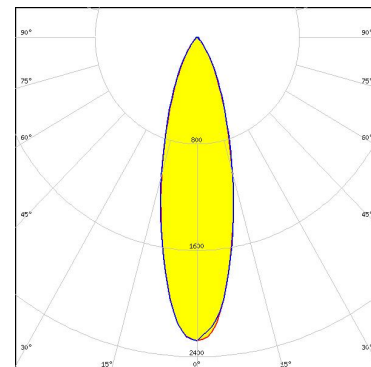


Light distribution files

Bender Wirth: 462 Typ L8



LED V22 Gen 8-9
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 62.0°
 Efficiency 84 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

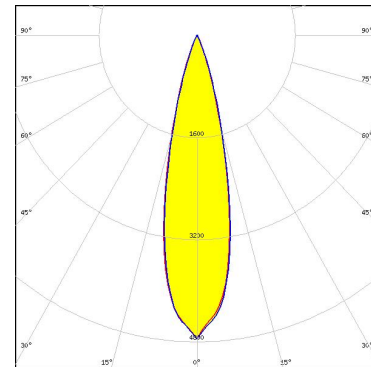


Light distribution files

Bender Wirth: 631b Hekla XL



LED V8 Gen 8-9
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 42.0°
 Efficiency 93 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A

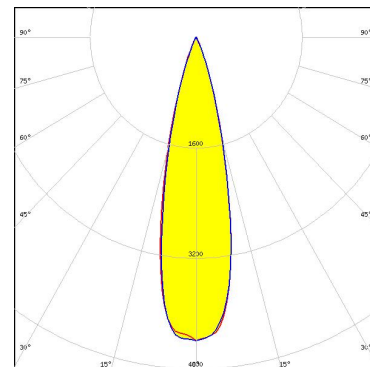


Light distribution files

OPTICAL RESULTS (SIMULATED):



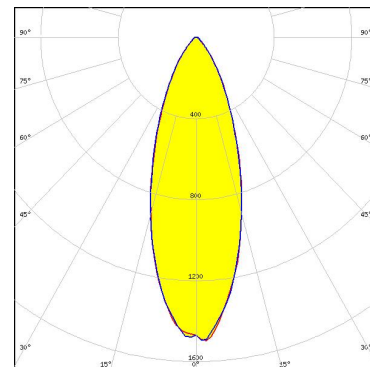
LED V9 HD Gen 8
Ordering code CP18572_AMY-110-M-C
FWHM / FWTM 26.0° / 43.0°
Efficiency 93 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



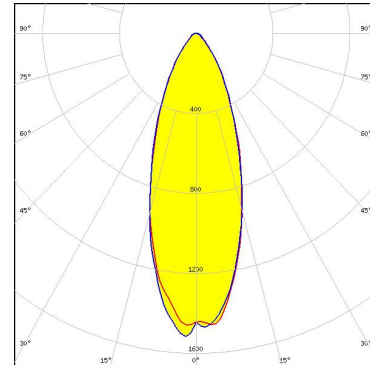
LED Vero SE 29
Ordering code CP18572_AMY-110-M-C
FWHM / FWTM 36.0° / 75.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Vero SE 29
Ordering code CP19029_AMY-110-M-C-WHT
FWHM / FWTM 36.0° / 78.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

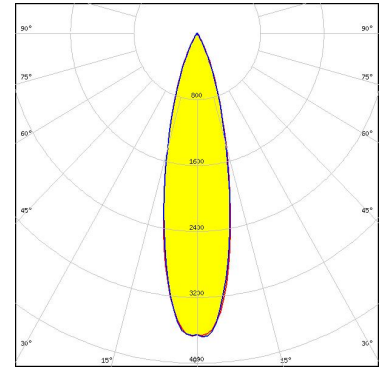


Light distribution files

OPTICAL RESULTS (SIMULATED):



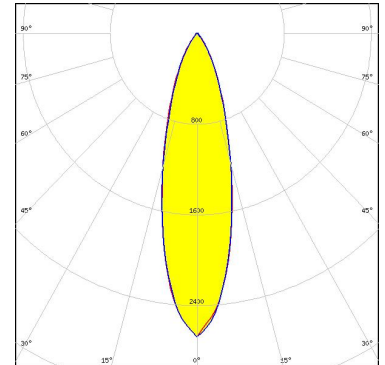
LED VERO13
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 93 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



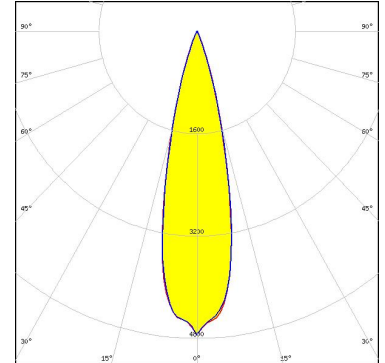
LED VERO18
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 60.0°
 Efficiency 92 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 13mm (21W)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 40.0°
 Efficiency 94 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

Bender Wirth: 632b Hekla XL

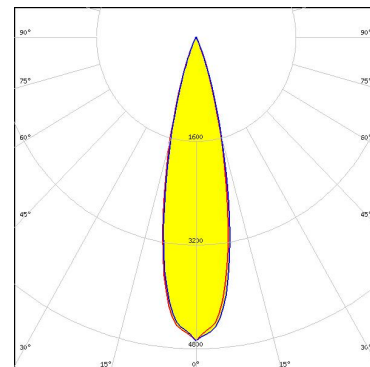
OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 42.0°
 Efficiency 94 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

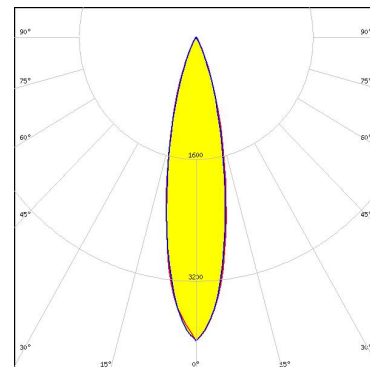
Bender Wirth: 652b Hekla

Light distribution files



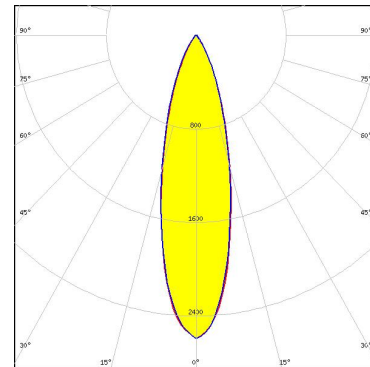
LED Vesta SE 13mm TW
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 47.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

Light distribution files



LED Vesta TW 18mm (31W) DP
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 58.0°
 Efficiency 86 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

Light distribution files

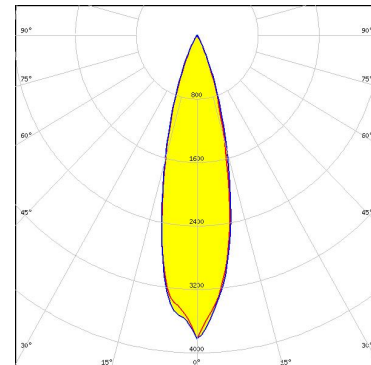


Bender Wirth: 483 Typ L8

OPTICAL RESULTS (SIMULATED):



LED Vesta TW 9mm (9W) DP
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 26.0° / 49.0°
 Efficiency 94 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

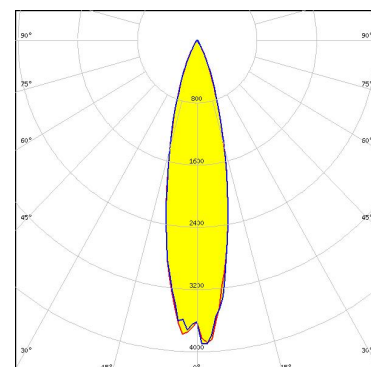


Light distribution files

Bender Wirth: 489 Typ L8

CITIZEN

LED CLU03x
 Ordering code CP19033_AMY-110-M-B-WHT
 FWHM / FWTM 24.0° / 50.0°
 Efficiency 96 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

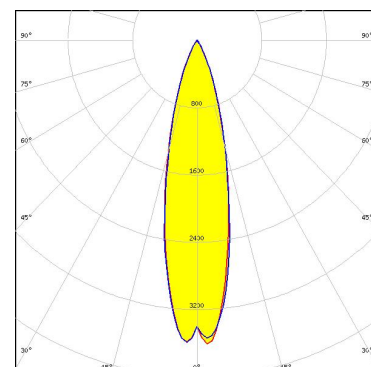


Light distribution files

BJB: 47.319.2021

CITIZEN

LED CLU03x
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

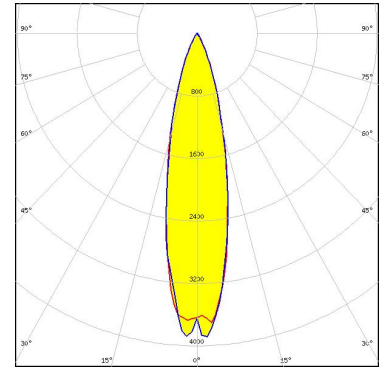


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU03x
 Ordering code CP18576_AMY-110-M-B
 FWHM / FWTM 24.0° / 49.0°
 Efficiency 92 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

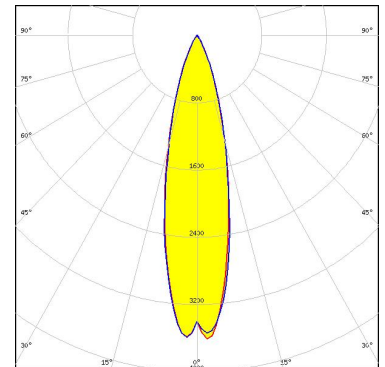


BJB: 47.319.2021

Light distribution files

CITIZEN

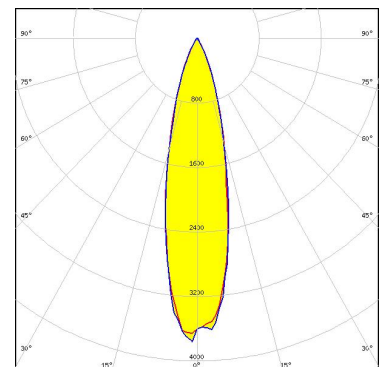
LED CLU03x
 Ordering code C18568_AMY-110-M
 FWHM / FWTM 24.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

LED CLU03x
 Ordering code CP19029_AMY-110-M-C-WHT
 FWHM / FWTM 25.0° / 50.0°
 Efficiency 96 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

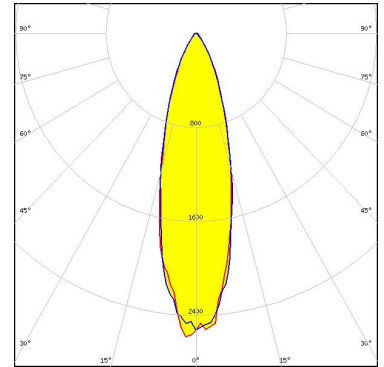


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU04x
Ordering code CP19033_AMY-110-M-B-WHT
FWHM / FWTM 29.0° / 62.0°
Efficiency 95 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

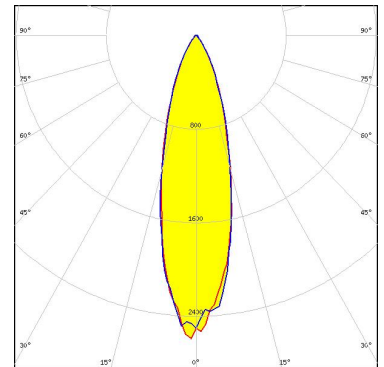


BJB: 47.319.2030

Light distribution files

CITIZEN

LED CLU04x
Ordering code CP18576_AMY-110-M-B
FWHM / FWTM 28.0° / 60.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

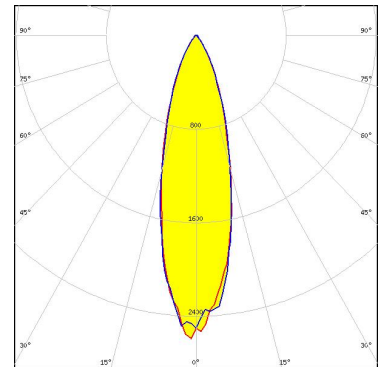


BJB: 47.319.2030

Light distribution files

CITIZEN

LED CLU04x
Ordering code C18568_AMY-110-M
FWHM / FWTM 28.0° / 60.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



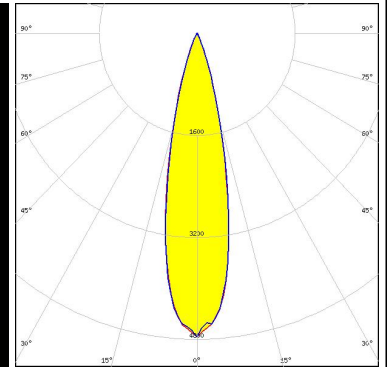
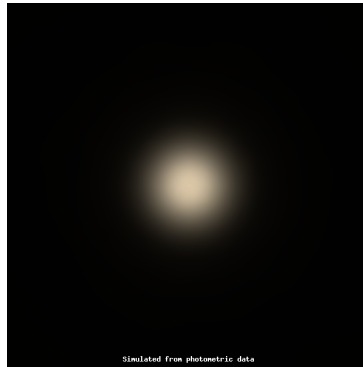
BJB: 47.319.2030

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CTW0910
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 42.0°
 Efficiency 92 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

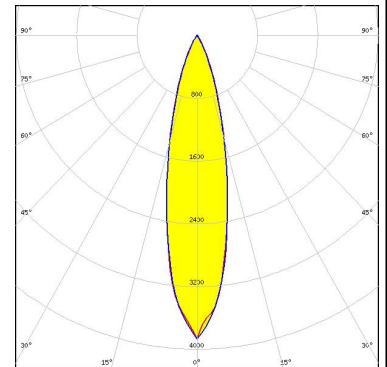


Light distribution files

Bender Wirth: 512 Typ L8



LED LUXEON CX Plus CoB L08 (Gen2)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 50.0°
 Efficiency 93 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

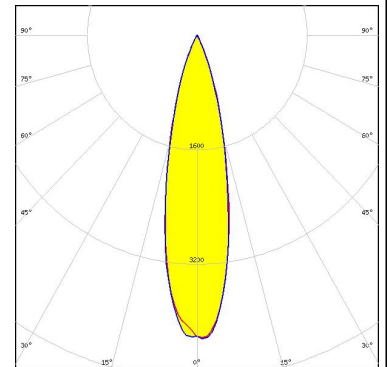


Light distribution files

Bender Wirth: 637a Hekla



LED LUXEON CoB 1205HD
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 46.0°
 Efficiency 93 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

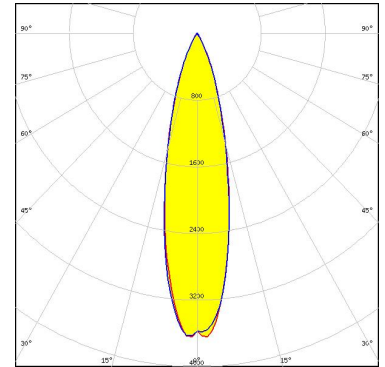


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 93 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

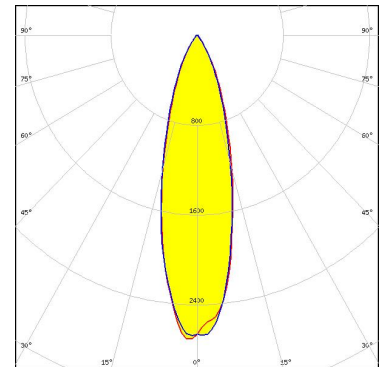


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CoB 1211
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 59.0°
 Efficiency 91 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

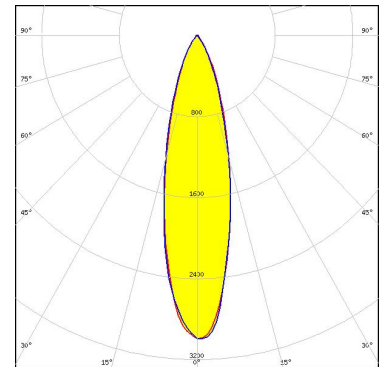


Bender Wirth: 631b Hekla XL

Light distribution files



LED LUXEON CoB 1211
 Ordering code CP18576_AMY-110-M-B
 FWHM / FWTM 26.0° / 57.0°
 Efficiency 92 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Bender Wirth: 631b Bayonet50

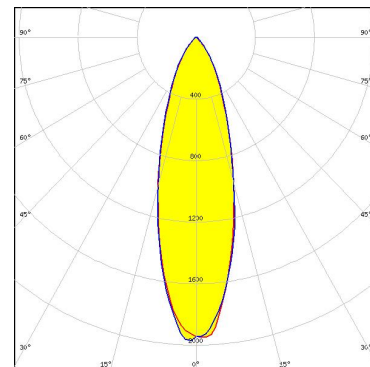
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1213/1216/1812
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 30.0° / 68.0°
 Efficiency 83 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

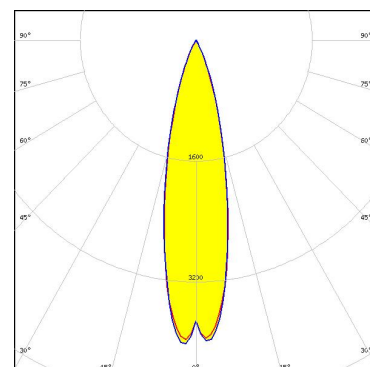
Bender Wirth: 631b Hekla XL



Light distribution files



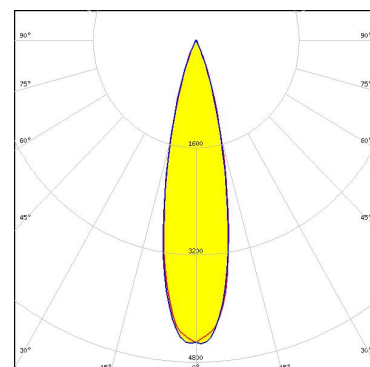
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 47.0°
 Efficiency 92 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 44.0°
 Efficiency 93 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15256_HEKLA-SOCKET-D

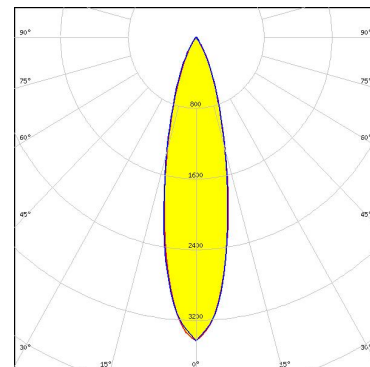


Light distribution files

OPTICAL RESULTS (SIMULATED):



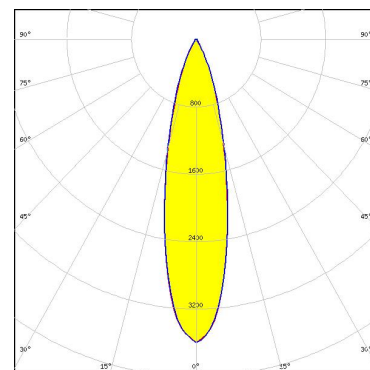
LED CxM-14 (19x19)
FWHM / FWTM 25.0° / 54.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files



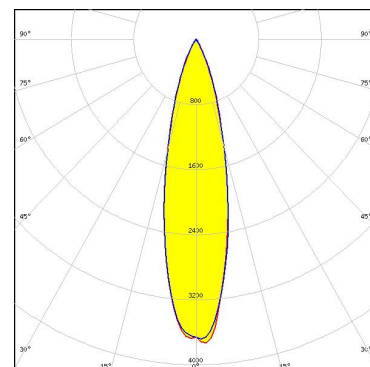
LED CxM-14 (19x19)
FWHM / FWTM 24.0° / 52.0°
Efficiency 95 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files



LED COB J-Type
Ordering code CP18572_AMY-110-M-C
FWHM / FWTM 25.0° / 50.0°
Efficiency 93 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



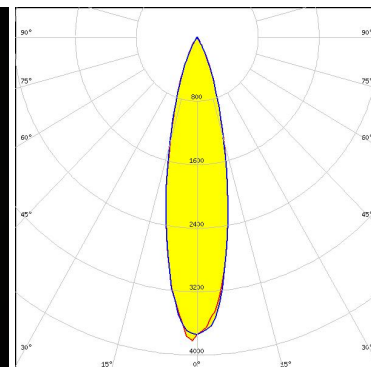
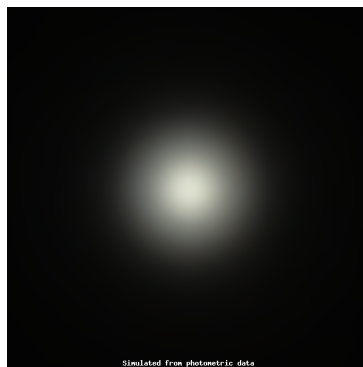
Bender Wirth: 663a Hekla XL

Light distribution files

OPTICAL RESULTS (SIMULATED):



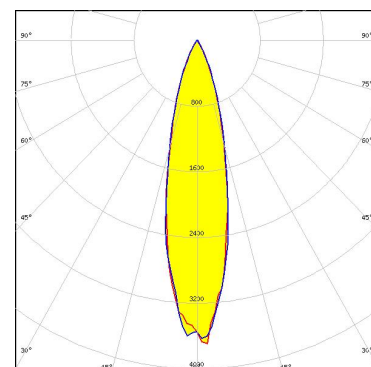
LED NF1206JLC-V5
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP18576_AMY-110-M-B
 FWHM / FWTM 24.0° / 51.0°
 Efficiency 92 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

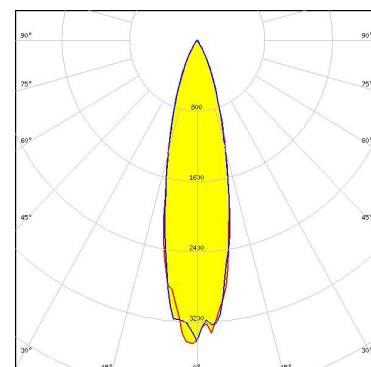


BJB: 47.319.2021

Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code C18568_AMY-110-M
 FWHM / FWTM 25.0° / 52.0°
 Efficiency 91 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

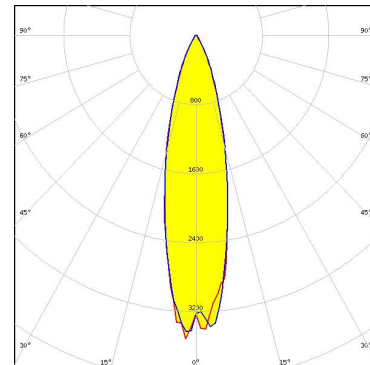


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

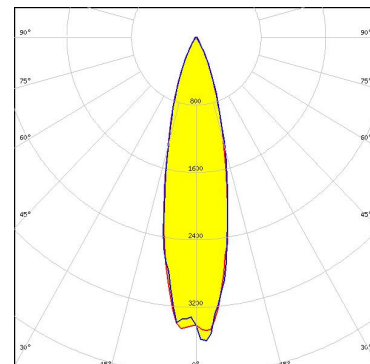
LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP19029_AMY-110-M-C-WHT
 FWHM / FWTM 25.0° / 53.0°
 Efficiency 96 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP19033_AMY-110-M-B-WHT
 FWHM / FWTM 25.0° / 52.0°
 Efficiency 96 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

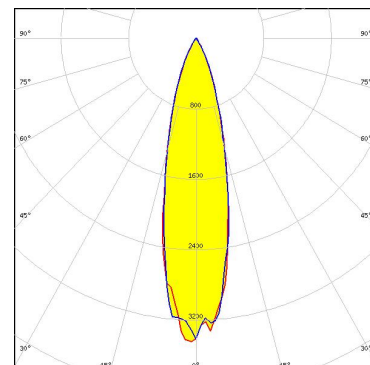


Light distribution files

BJB: 47.319.2021

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 25.0° / 52.0°
 Efficiency 91 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

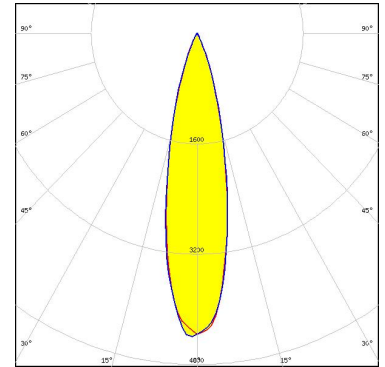


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020T (Tunable white)
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 24.0° / 45.0°
 Efficiency 93 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

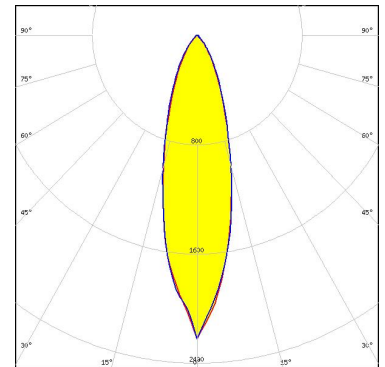


Light distribution files

Bender Wirth: 501 Typ L8

SAMSUNG

LED LC040D / LC060D / LC080D
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 28.0° / 64.0°
 Efficiency 82 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

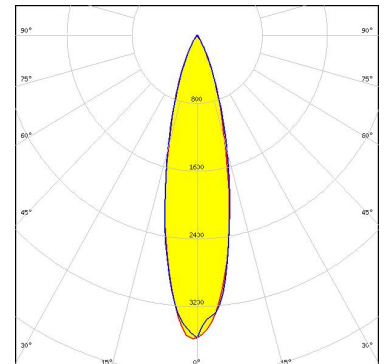


Light distribution files

Bender Wirth: 631b Hekla XL

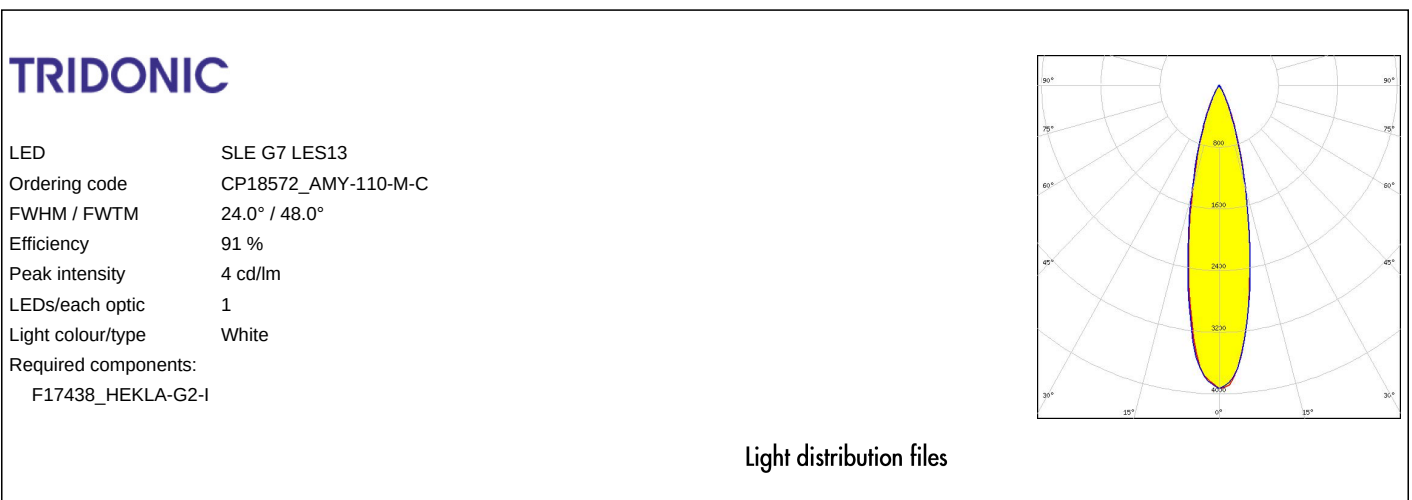
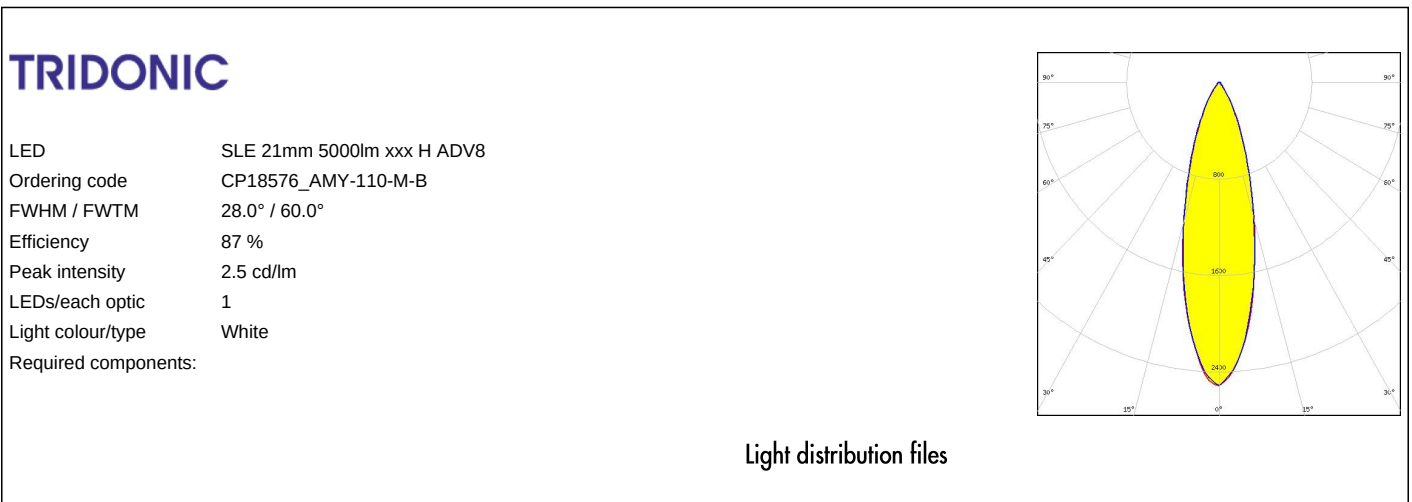
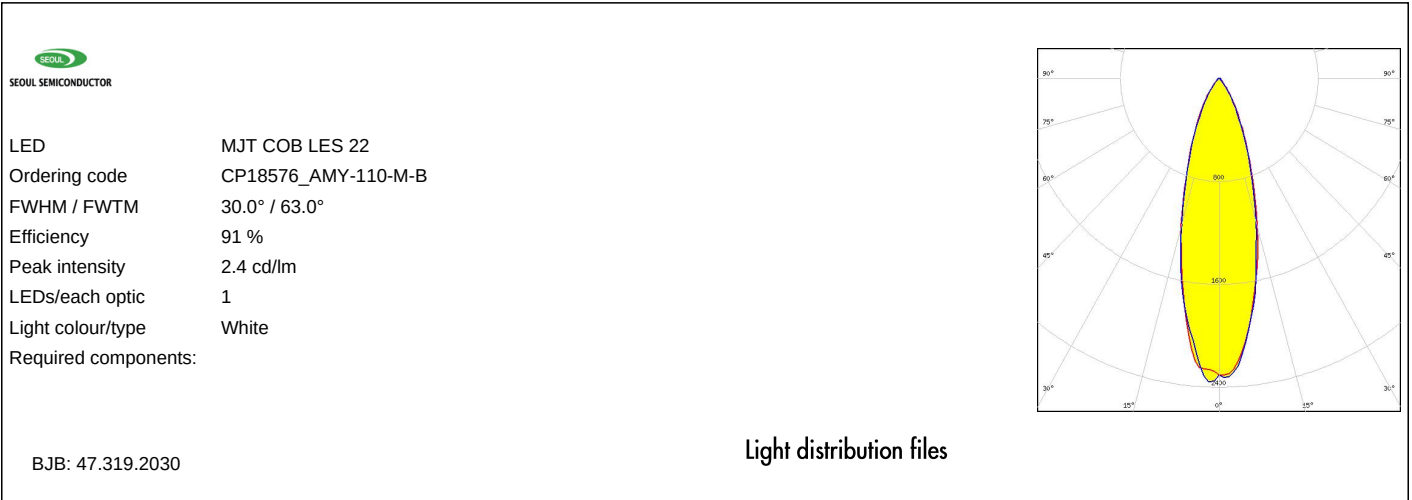


LED MJT COB LES 14.5
 Ordering code CP18572_AMY-110-M-C
 FWHM / FWTM 26.0° / 52.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

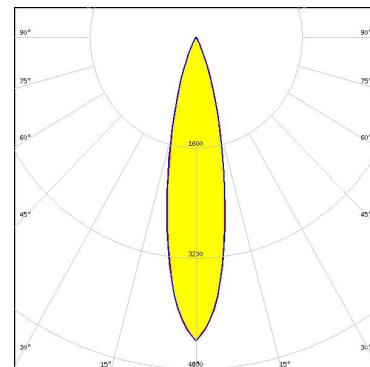
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE G7 LES13 H
Ordering code	CP18576_AMY-110-M-B
FWHM / FWTM	22.0° / 45.0°
Efficiency	90 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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.

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 7
FI-24100 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

Poznan, Poland
Hong Kong, China

Distribution Partners

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