

AMY-70-RS

~13° spot beam with tight cutoff

SPECIFICATION:

Dimensions	Ø 69.9
Height	11.8 mm
Fastening	socket
ROHS compliant	yes ⓘ

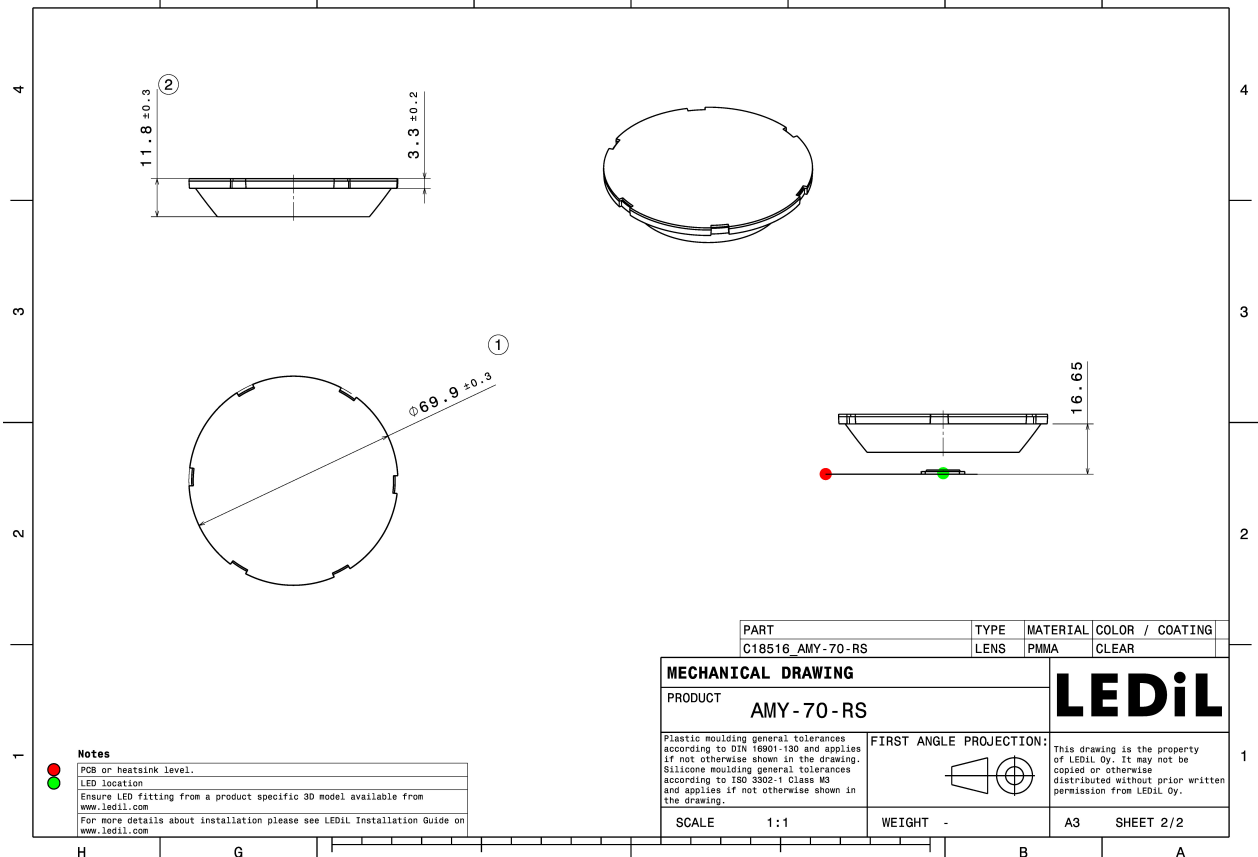
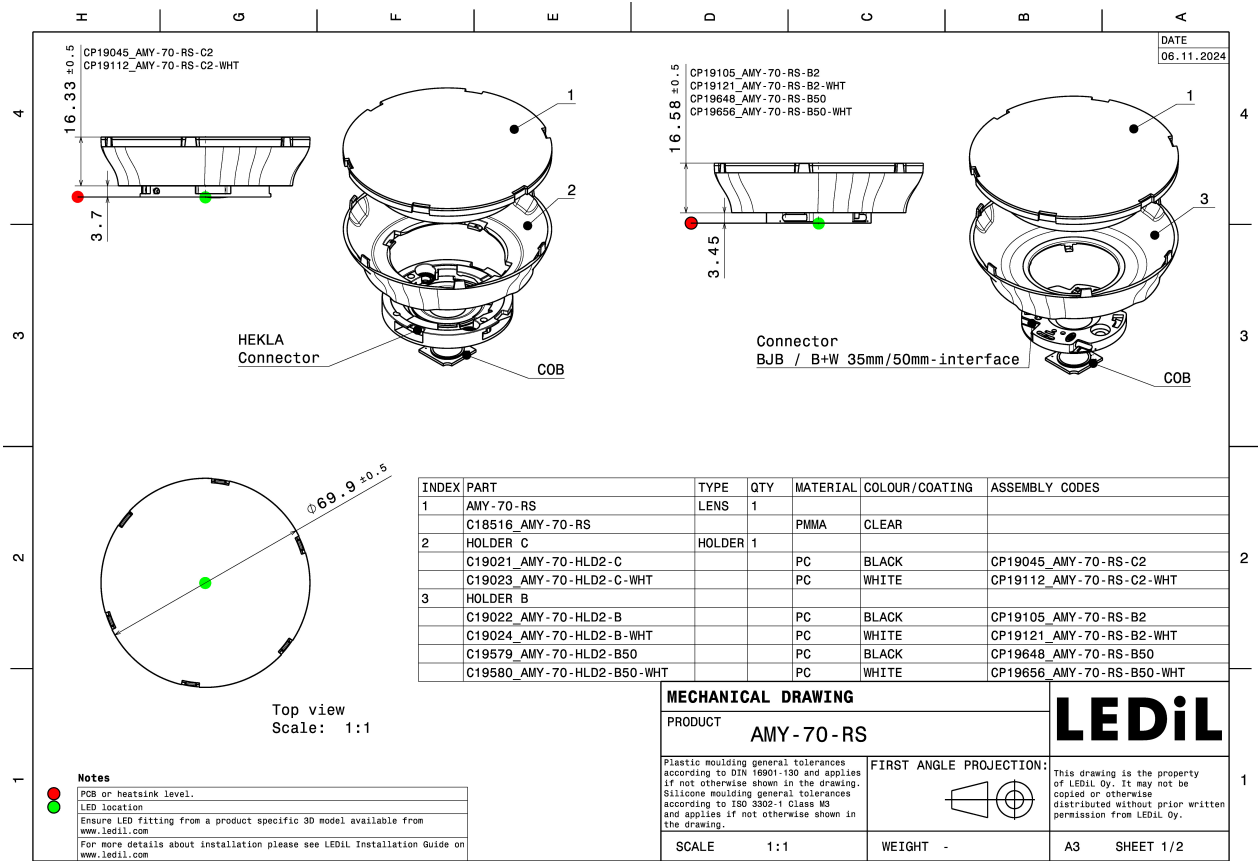


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-70-RS	Single lens	PMMA	clear		
AMY-70-HLD2-C	Holder C	PC	black		
AMY-70-HLD2-B	Holder B	PC	black		
AMY-70-HLD2-C-WHT	Holder C	PC	white		
AMY-70-HLD2-B-WHT	Holder B	PC	white		
AMY-70-HLD2-B50	Holder B	PC	black		
AMY-70-HLD2-B50-WHT	Holder B	PC	white		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18516_AMY-70-RS	285	285	15	9.7
Assembly				
CP19656_AMY-70-RS-B50-WHT	210	210	15	9.1
CP19648_AMY-70-RS-B50	210	210	15	9.2
CP19121_AMY-70-RS-B2-WHT	210	210	15	9.0
CP19112_AMY-70-RS-C2-WHT	210	210	15	8.8
CP19105_AMY-70-RS-B2	210	210	15	9.0
CP19045_AMY-70-RS-C2	210	210	15	8.8



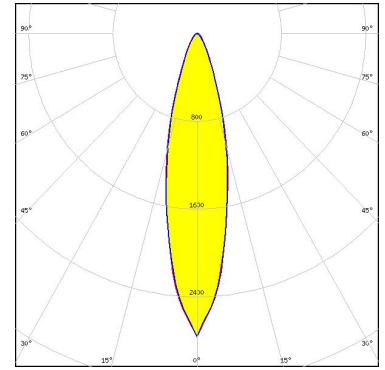
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):



LED V18 Gen 8-9
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 24.0° / 52.0°
Efficiency 82 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

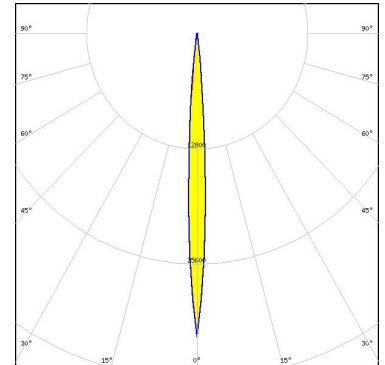
Bender Wirth: 639b Hekla XL



Light distribution files



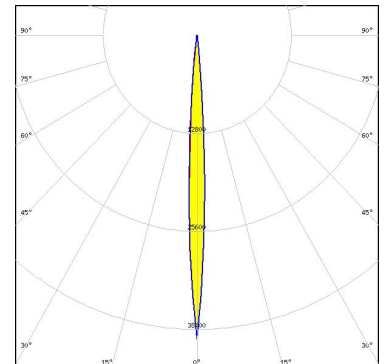
LED V3 HD Gen 8
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 33.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A



Light distribution files



LED V3 HD Gen 8 FC
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 6.0° / 12.0°
Efficiency 92 %
Peak intensity 39.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

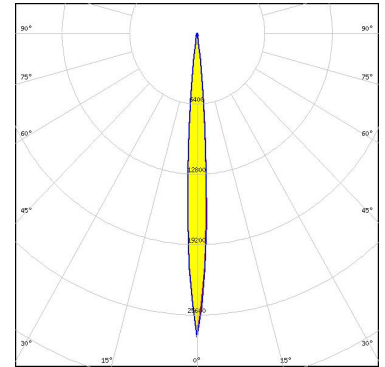


Light distribution files

OPTICAL RESULTS (SIMULATED):



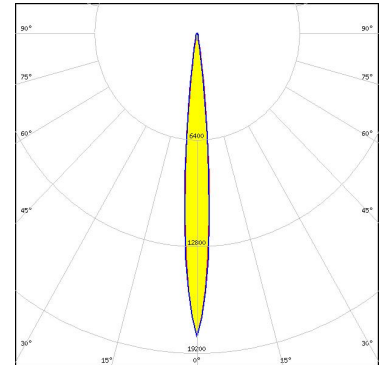
LED V4 HD Gen 8
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 8.0° / 14.0°
Efficiency 93 %
Peak intensity 27.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



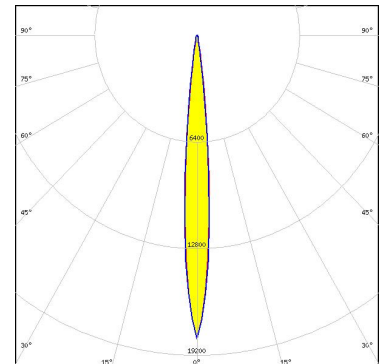
LED V6 Gen 8-9
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 18.0°
Efficiency 95 %
Peak intensity 18.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files

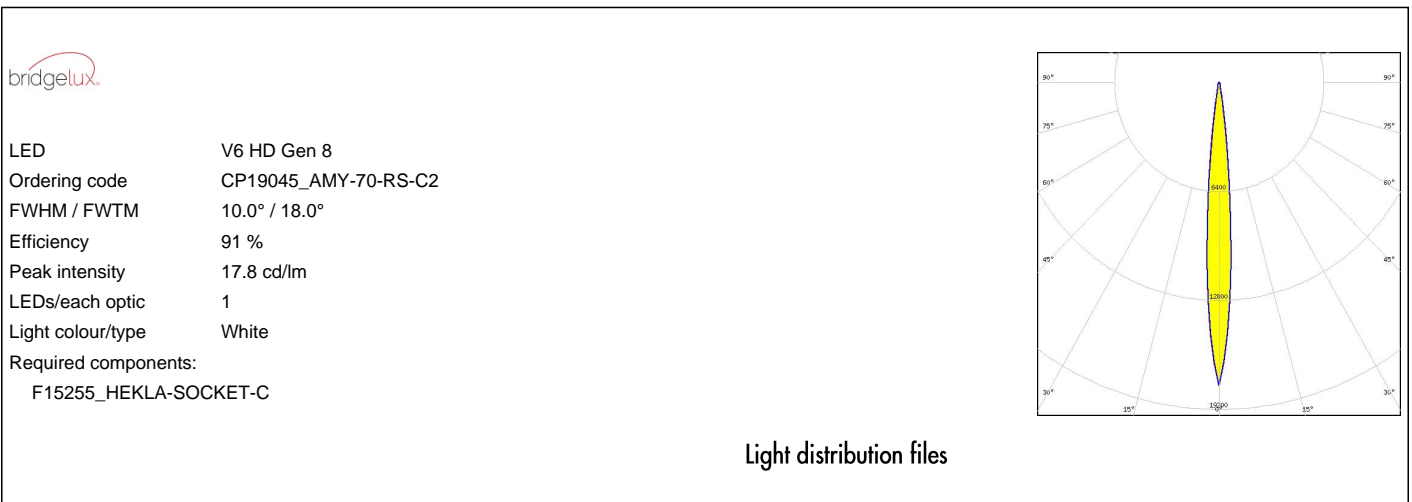
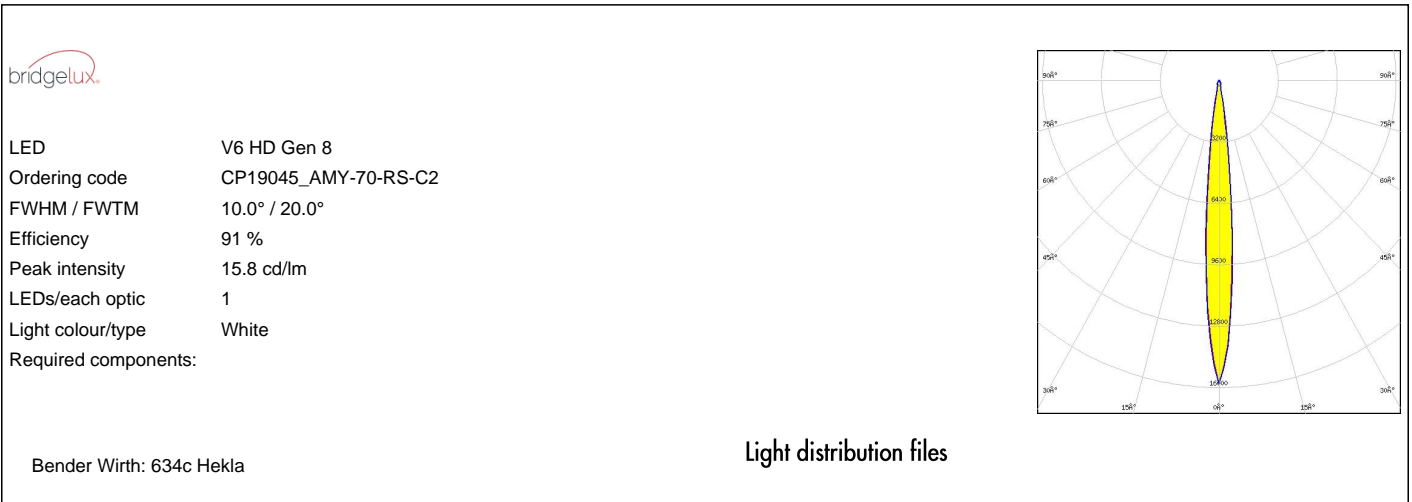


LED V6 Gen 8-9
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 18.0°
Efficiency 92 %
Peak intensity 18.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files

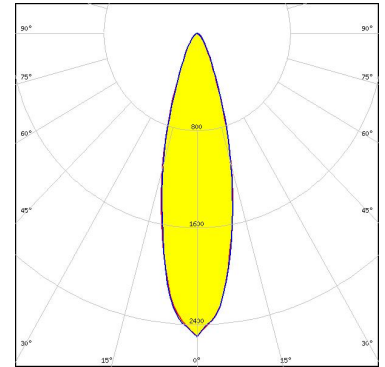
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



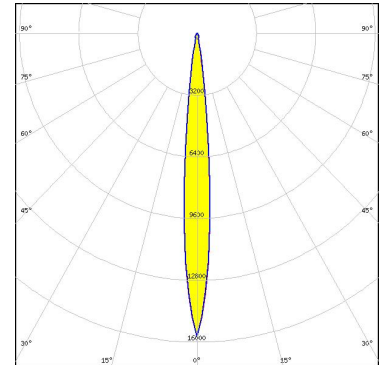
LED VERO18
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 28.0° / 56.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 13mm (21W)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 20.0°
Efficiency 91 %
Peak intensity 15.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

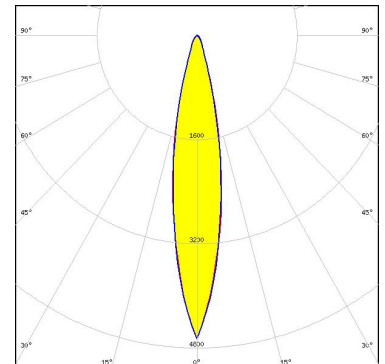


Bender Wirth: 632b Hekla XL

Light distribution files



LED Vesta DTW 15mm (33W)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 40.0°
Efficiency 87 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



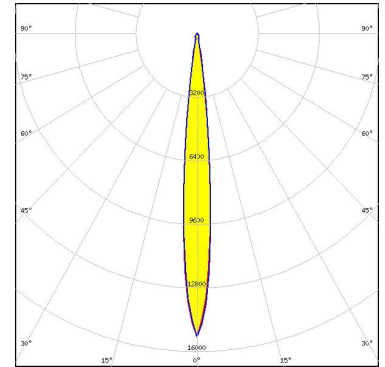
Bender Wirth: 632b Hekla XL

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 6mm
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 20.0°
Efficiency 91 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

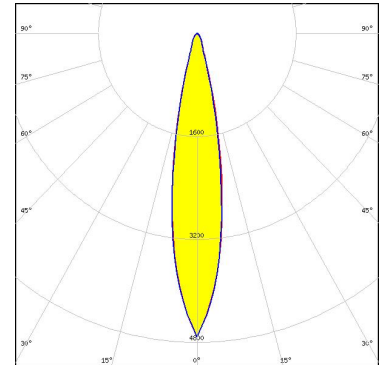


Bender Wirth: 652b Hekla

Light distribution files



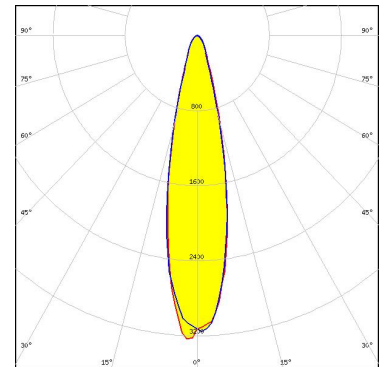
LED Vesta SE 13mm TW
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 37.0°
Efficiency 82 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta TW 13mm (18W) DP
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 23.0° / 46.0°
Efficiency 85 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16142_HEKLA-SOCKET-K
F18158_HEKLA-RZ-LENS

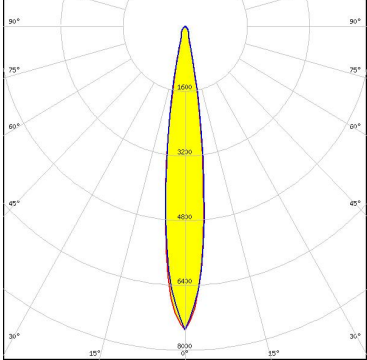


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	Vesta TW 9mm (9W) DP
Ordering code	CP19045_AMY-70-RS-C2
FWHM / FWTM	15.0° / 29.0°
Efficiency	92 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C16142_HEKLA-SOCKET-K

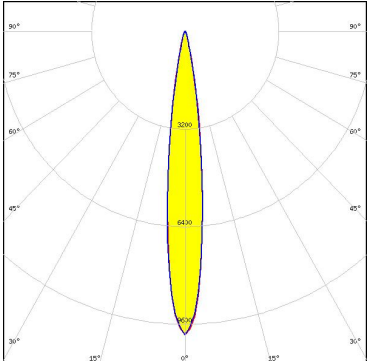


Light distribution files

Bender Wirth: 489 Typ L8

CITIZEN

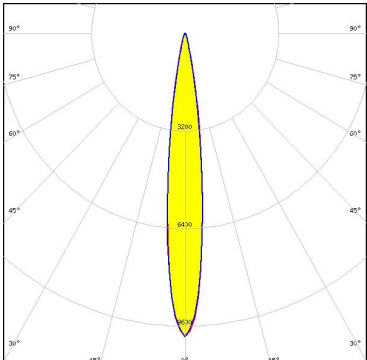
LED	CLL02x/CLU02x (LES10)
Ordering code	CP19045_AMY-70-RS-C2
FWHM / FWTM	14.0° / 26.0°
Efficiency	86 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

LED	CLL02x/CLU02x (LES10)
Ordering code	CP19105_AMY-70-RS-B2
FWHM / FWTM	14.0° / 26.0°
Efficiency	86 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

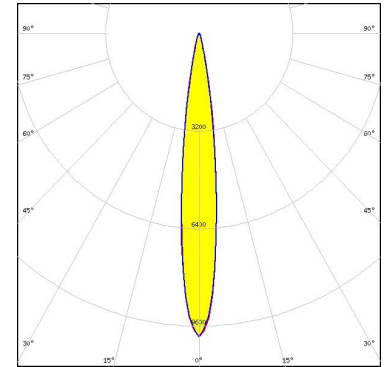


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

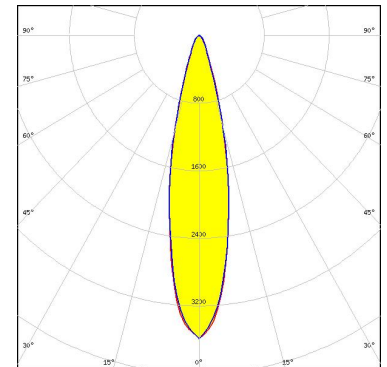
LED CLL02x/CLU02x (LES10)
Ordering code C18516_AMY-70-RS
FWHM / FWTM 14.0° / 26.0°
Efficiency 86 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

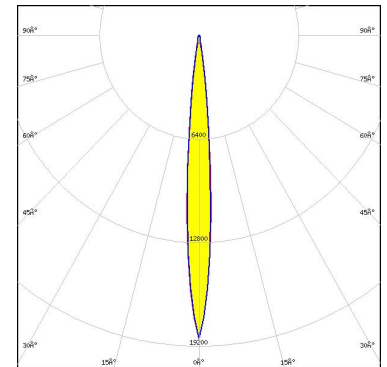
LED CLU03Q Type-F
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 24.0° / 44.0°
Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files

CITIZEN

LED CLU700/701/702/703
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 10.0° / 18.0°
Efficiency 88 %
Peak intensity 18.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



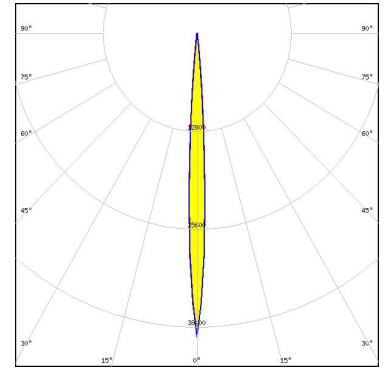
Light distribution files

BJB: 47.360.1020

OPTICAL RESULTS (SIMULATED):



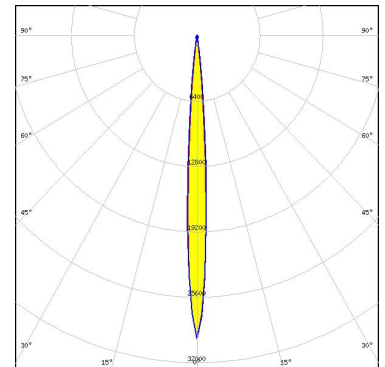
LED: CHA0304
Ordering code: CP19112_AMY-70-RS-C2-WHT
FWHM / FWTM: 6.0° / 12.0°
Efficiency: 94 %
Peak intensity: 39.7 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17435_HEKLA-G2-C



Light distribution files



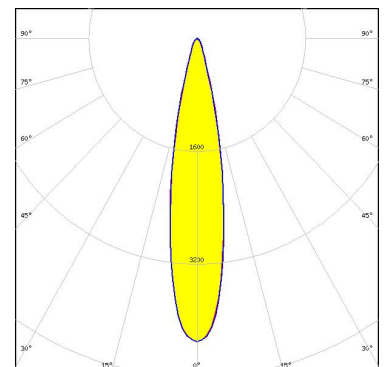
LED: CHA0410
Ordering code: CP19112_AMY-70-RS-C2-WHT
FWHM / FWTM: 8.0° / 14.0°
Efficiency: 94 %
Peak intensity: 29.7 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17435_HEKLA-G2-C



Light distribution files



LED: CMA1840
Ordering code: CP19045_AMY-70-RS-C2
FWHM / FWTM: 20.0° / 39.0°
Efficiency: 85 %
Peak intensity: 4.3 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:



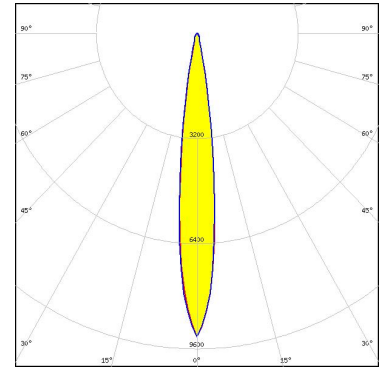
Light distribution files

Bender Wirth: 637a Hekla

OPTICAL RESULTS (SIMULATED):



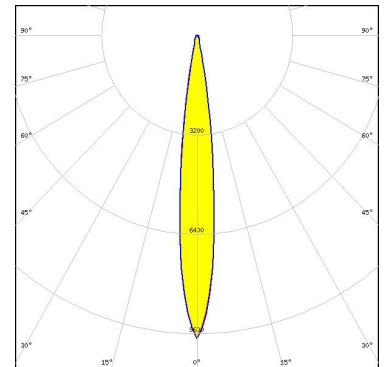
LED CMT14xx
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 14.0° / 26.0°
Efficiency 87 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



Light distribution files



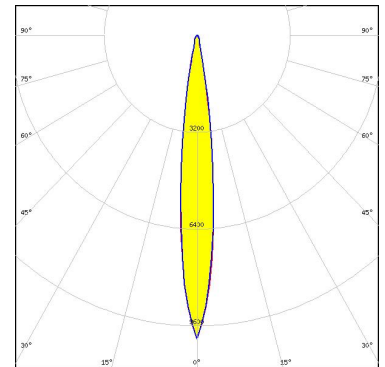
LED CMT14xx
Ordering code C18516_AMY-70-RS
FWHM / FWTM 14.0° / 25.0°
Efficiency 93 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED CMU10xx
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 12.0° / 25.0°
Efficiency 89 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



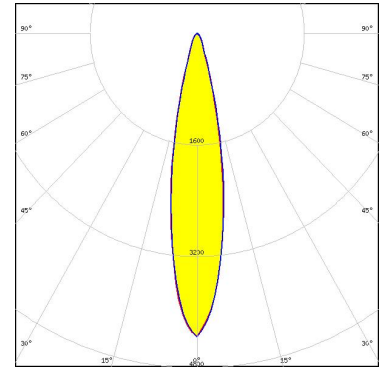
Light distribution files

BJB: 47.360.1020

OPTICAL RESULTS (SIMULATED):



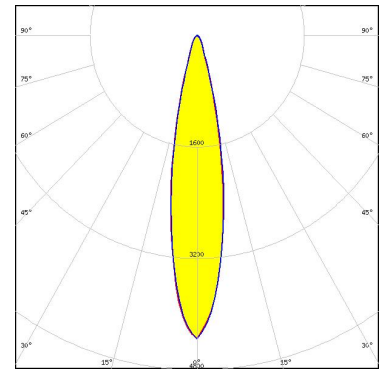
LED CMU15xx
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 38.0°
Efficiency 85 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files



LED CMU15xx
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 40.0°
Efficiency 85 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

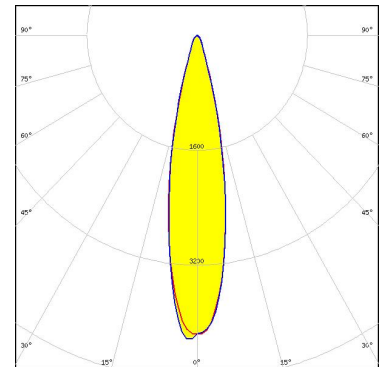


Bender Wirth: 633a Hekla

Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



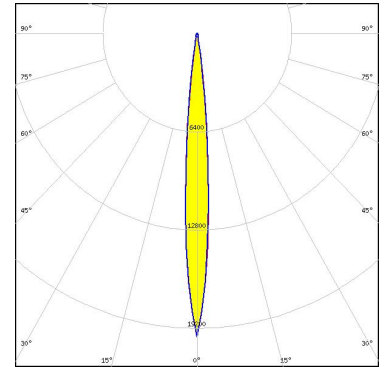
Bender Wirth: 637a Hekla

Light distribution files

OPTICAL RESULTS (SIMULATED):



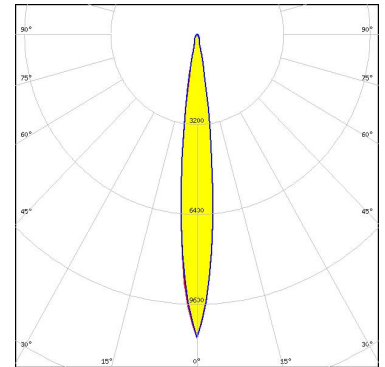
LED LUXEON 7070
FWHM / FWTM 9.0° / 18.0°
Efficiency 94 %
Peak intensity 19.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



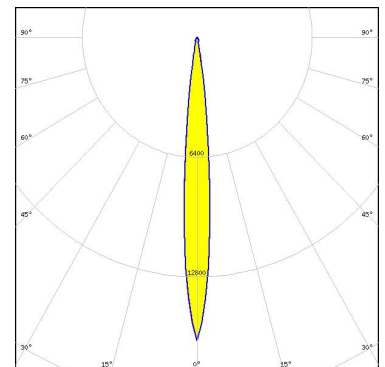
LED LUXEON CoB 1202/1203
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 12.0° / 24.0°
Efficiency 90 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1202HD
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G

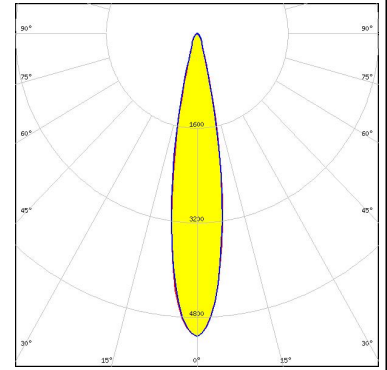


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1204/1205
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 36.0°
Efficiency 88 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

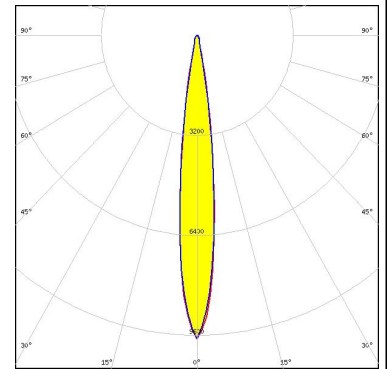


Bender Wirth: 632a Hekla XL

Light distribution files



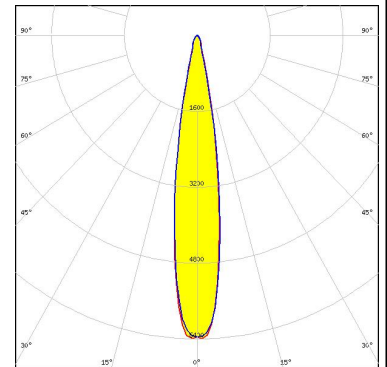
LED LUXEON CoB 1204HD
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 14.0° / 25.0°
Efficiency 90 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1205HD
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 18.0° / 30.0°
Efficiency 89 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H

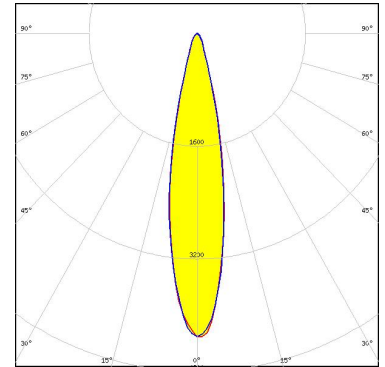


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 21.0° / 40.0°
Efficiency 88 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

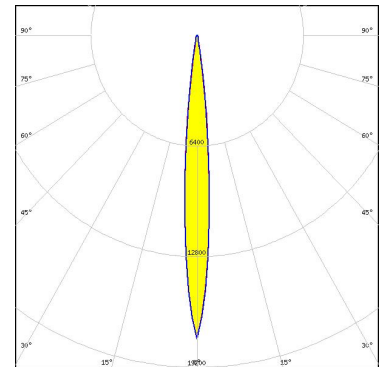


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CX Plus CoB - HD S02H6
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 10.0° / 19.0°
Efficiency 92 %
Peak intensity 17.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

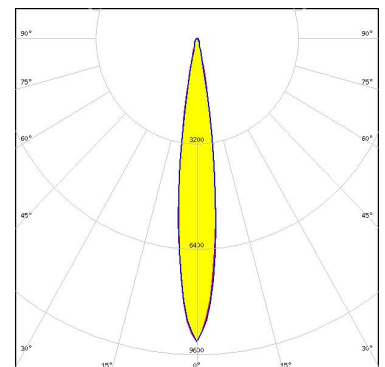


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 14.0° / 26.0°
Efficiency 91 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



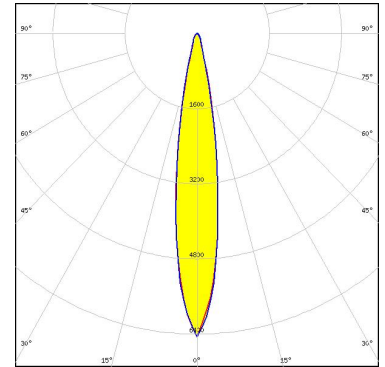
Bender Wirth: 634a Bayonet35L

Light distribution files

OPTICAL RESULTS (SIMULATED):



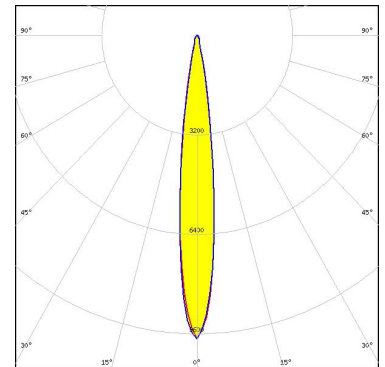
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15254_HEKLA-SOCKET-B



Light distribution files



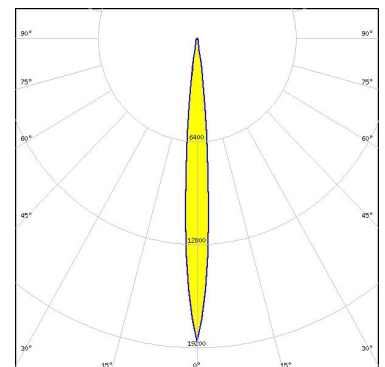
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 14.0° / 26.0°
Efficiency 91 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 18.0°
Efficiency 92 %
Peak intensity 18.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15956_HEKLA-SOCKET-J

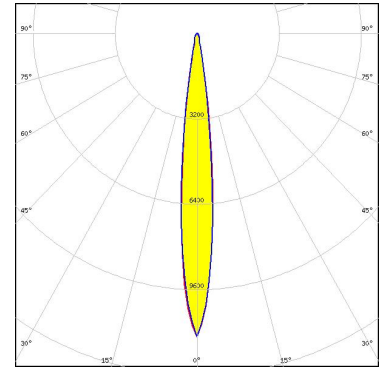


Light distribution files

OPTICAL RESULTS (SIMULATED):



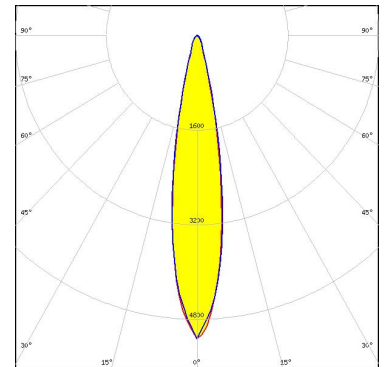
LED CHM-9 XH (19x19)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 12.0° / 24.0°
Efficiency 91 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED CTM-14 (Tunable White) Gen2
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 20.0° / 36.0°
Efficiency 89 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
 C16142_HEKLA-SOCKET-K

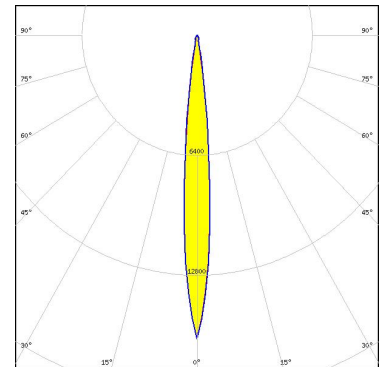


Light distribution files

Bender Wirth: 442 Typ L8



LED CTM-6 (Tunable White) Gen2
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
 C16142_HEKLA-SOCKET-K



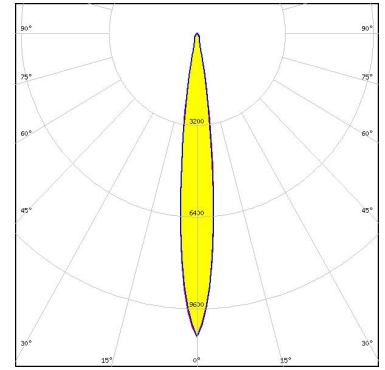
Light distribution files

Bender Wirth: 495 Typ L8

OPTICAL RESULTS (SIMULATED):



LED CTM-9 (Tunable White) Gen2
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 12.0° / 24.0°
Efficiency 90 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K

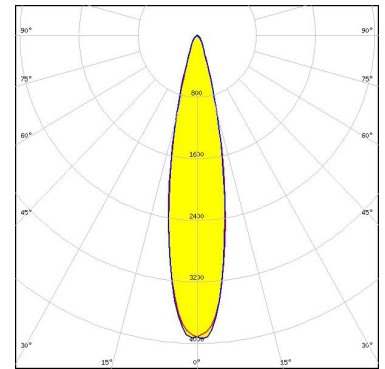


Light distribution files

Bender Wirth: 495 Typ L8



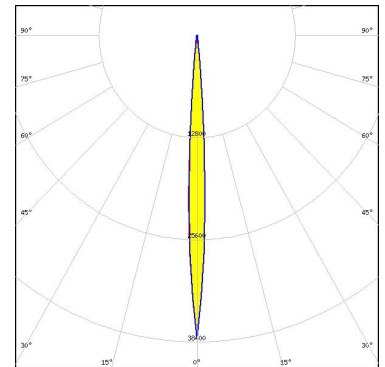
LED CxM-14 (18.5x18.5)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 22.0° / 41.0°
Efficiency 86 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files



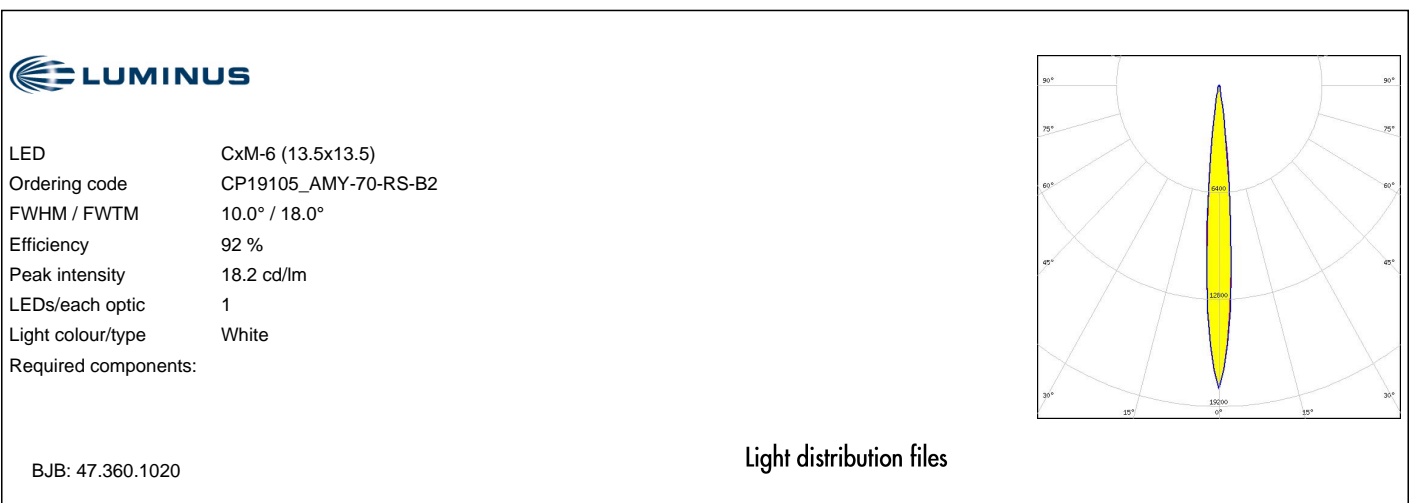
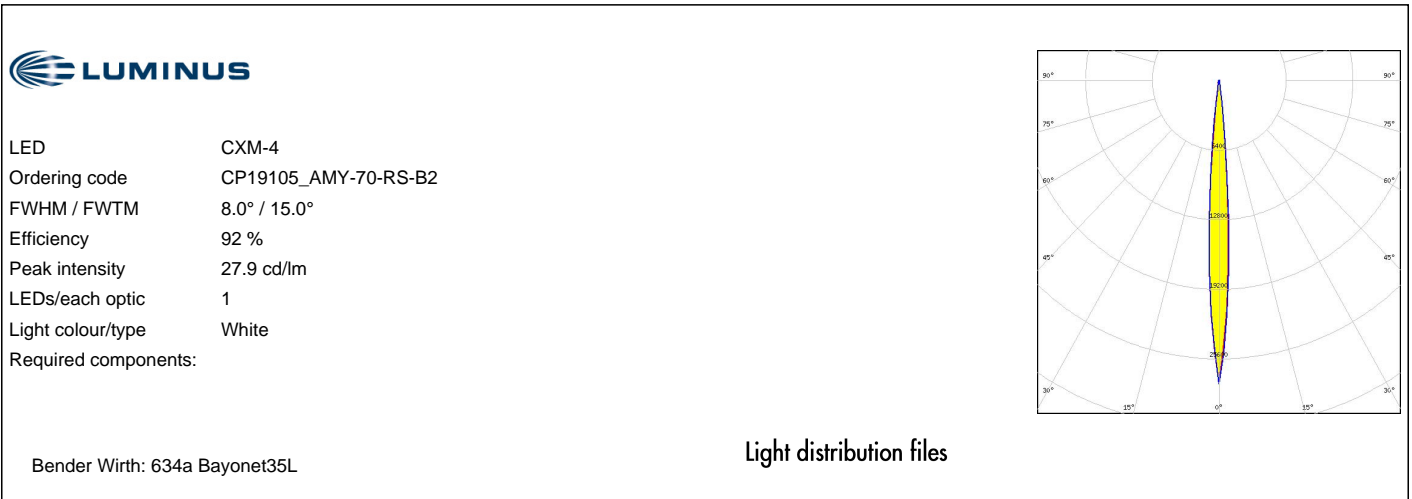
LED CXM-3
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 6.0° / 12.0°
Efficiency 93 %
Peak intensity 38 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Bender Wirth: 634a Bayonet35L

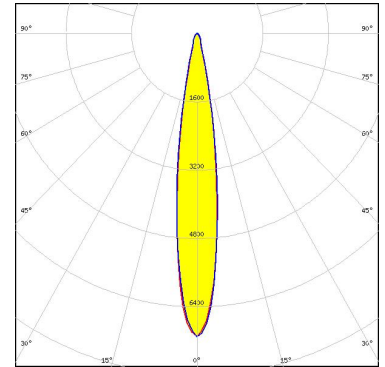
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



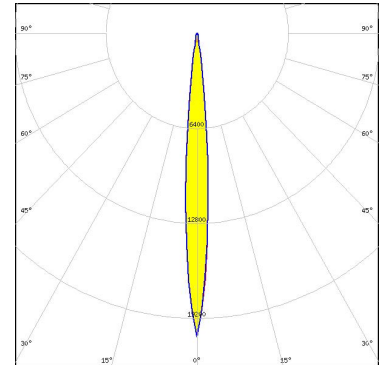
LED COB L-Type (LES 11)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 16.0° / 30.0°
Efficiency 90 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H



Light distribution files



LED COB S-Type (LES 6)
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 8.0° / 18.0°
Efficiency 92 %
Peak intensity 20.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

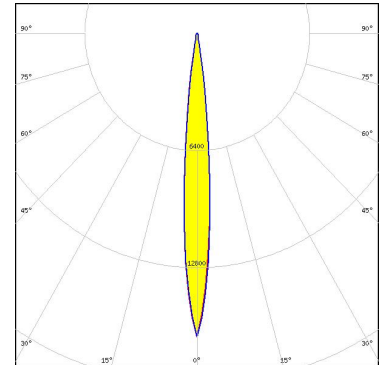


Bender Wirth: 652a Bayonet35L

Light distribution files



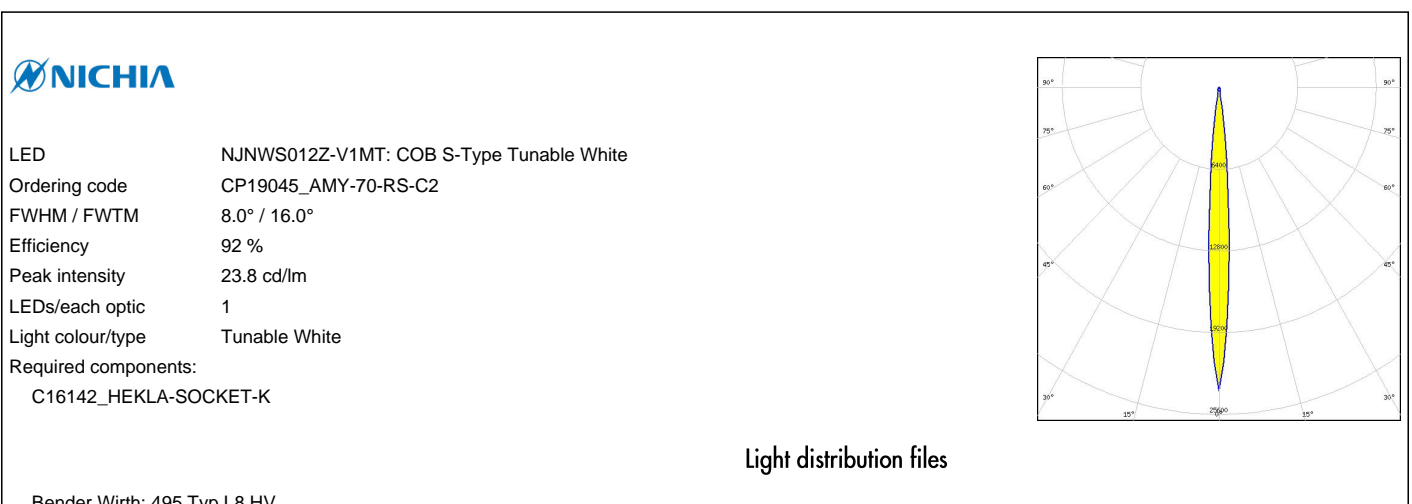
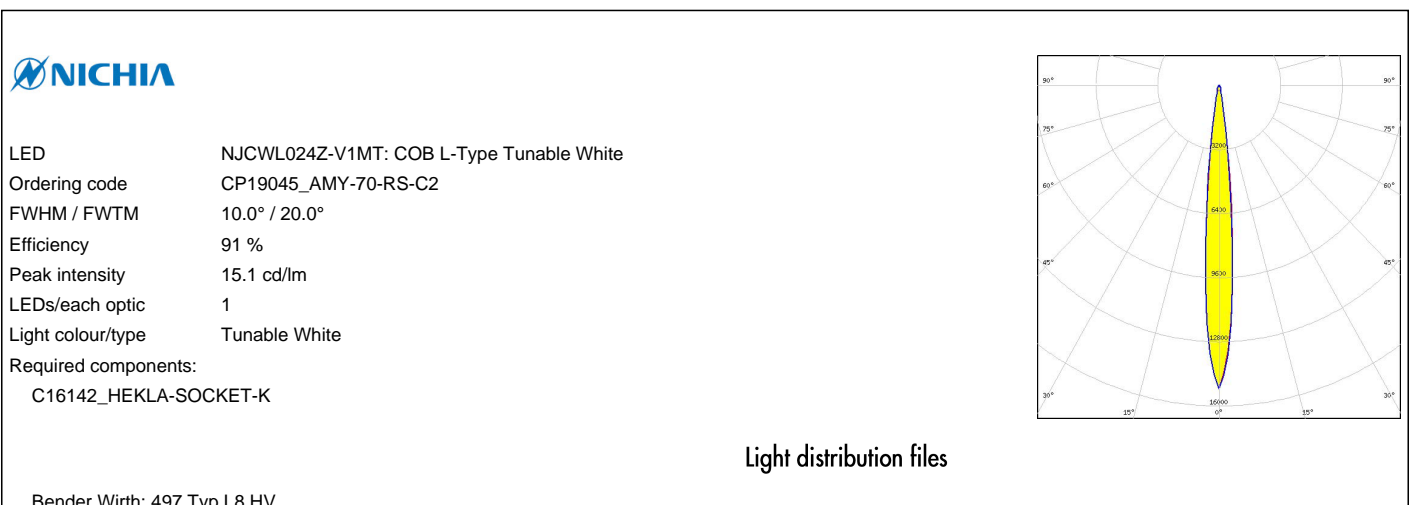
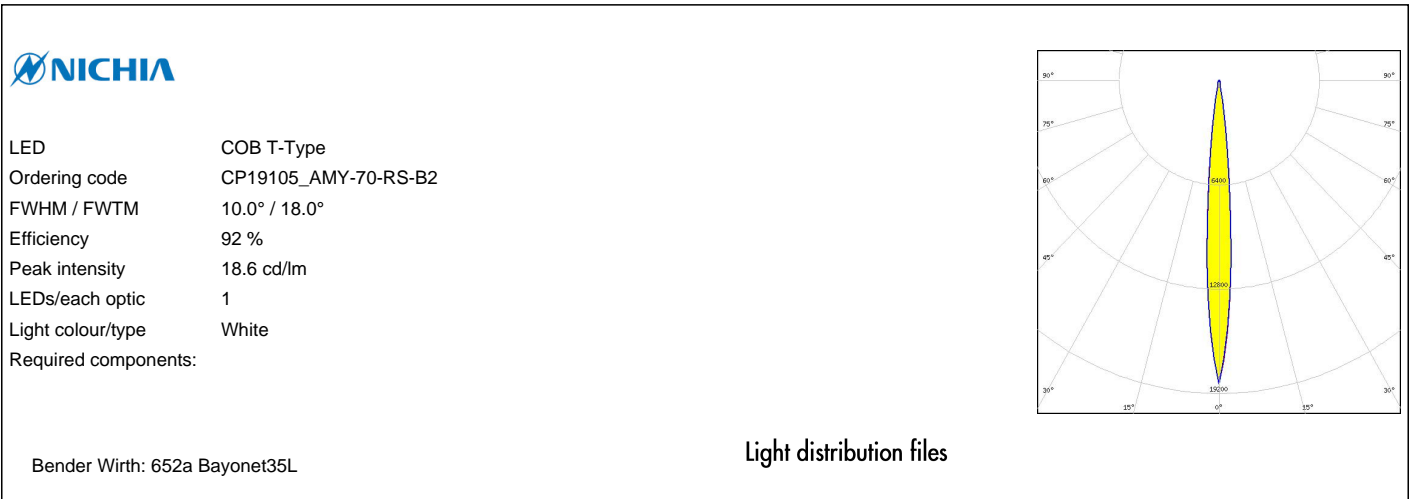
LED COB S-Type (LES 7)
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %
Peak intensity 16.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Bender Wirth: 652a Bayonet35L

Light distribution files

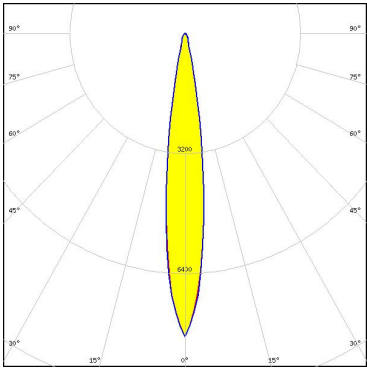
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

NICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 14.0° / 28.0°
Efficiency 90 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K

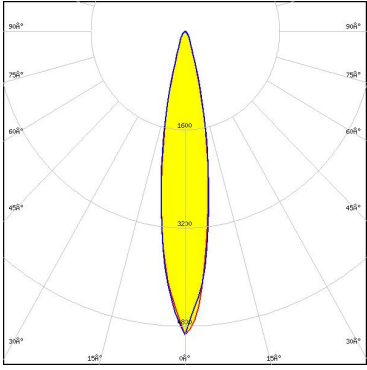


Light distribution files

Bender Wirth: 498 Typ L8 HV

PHILIPS

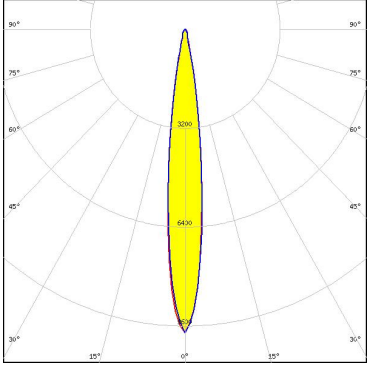
LED Fortimo SLM L15 1919 CoB
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 18.0° / 38.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 14.0° / 26.0°
Efficiency 91 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



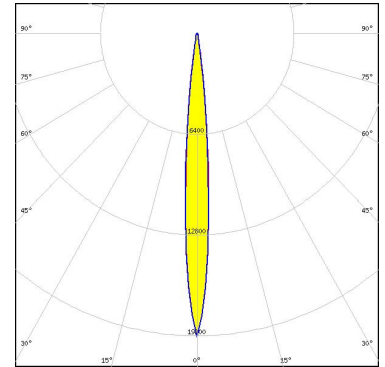
Light distribution files

BJB: 47.360.1020

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC010C G2
Ordering code	CP19105_AMY-70-RS-B2
FWHM / FWTM	10.0° / 18.0°
Efficiency	92 %
Peak intensity	19.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

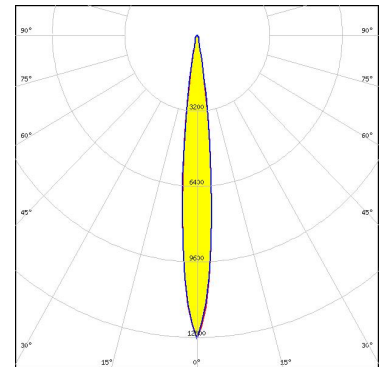


BJB: 47.360.1020

Light distribution files

SAMSUNG

LED	LC010T (Tunable White)
Ordering code	CP19045_AMY-70-RS-C2
FWHM / FWTM	12.0° / 22.0°
Efficiency	91 %
Peak intensity	12.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	

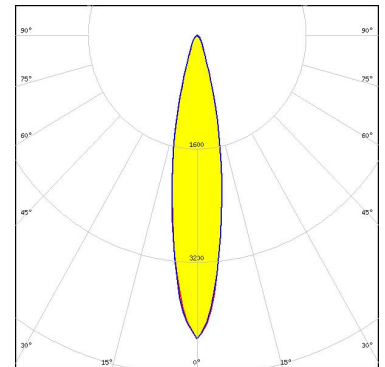


Bender Wirth: 501 Typ L8

Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19045_AMY-70-RS-C2
FWHM / FWTM	20.0° / 40.0°
Efficiency	85 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	F17438_HEKLA-G2-I

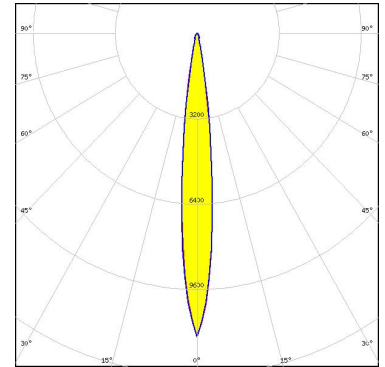


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020C G2
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 12.0° / 24.0°
Efficiency 90 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

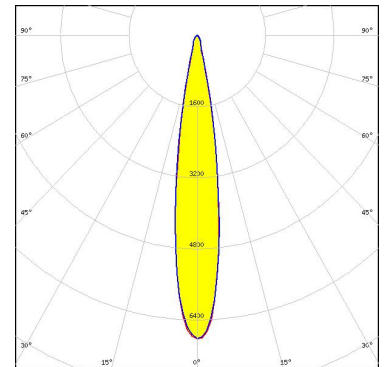


BJB: 47.360.1010

Light distribution files

SAMSUNG

LED LC020T (Tunable white)
Ordering code CP19045_AMY-70-RS-C2
FWHM / FWTM 16.0° / 30.0°
Efficiency 90 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K

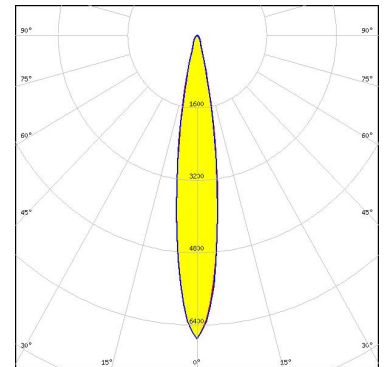


Bender Wirth: 501 Typ L8

Light distribution files

SAMSUNG

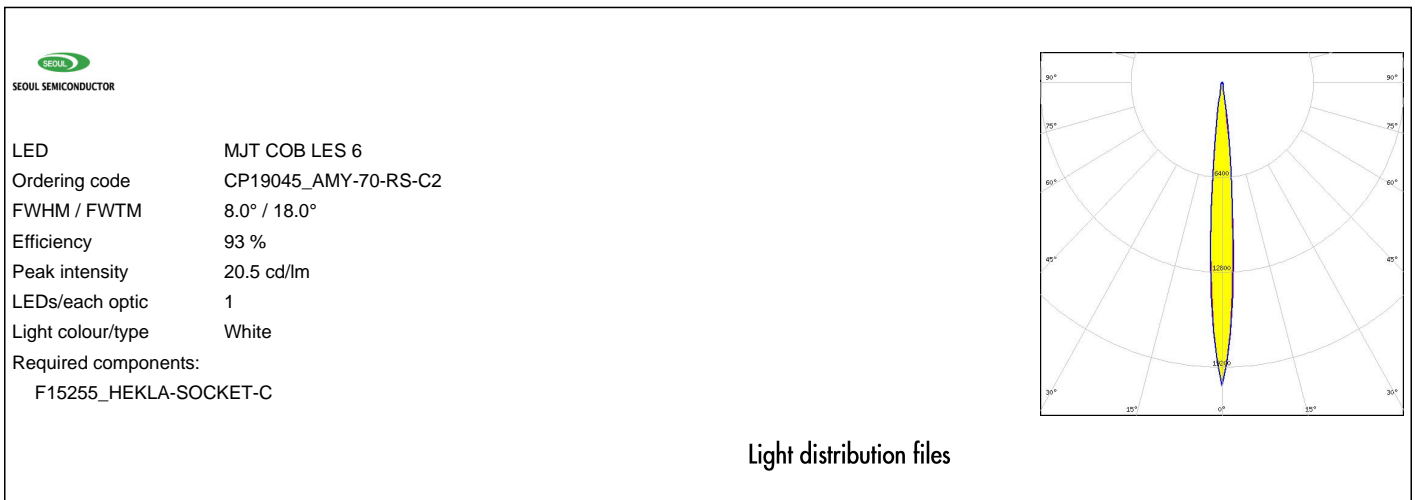
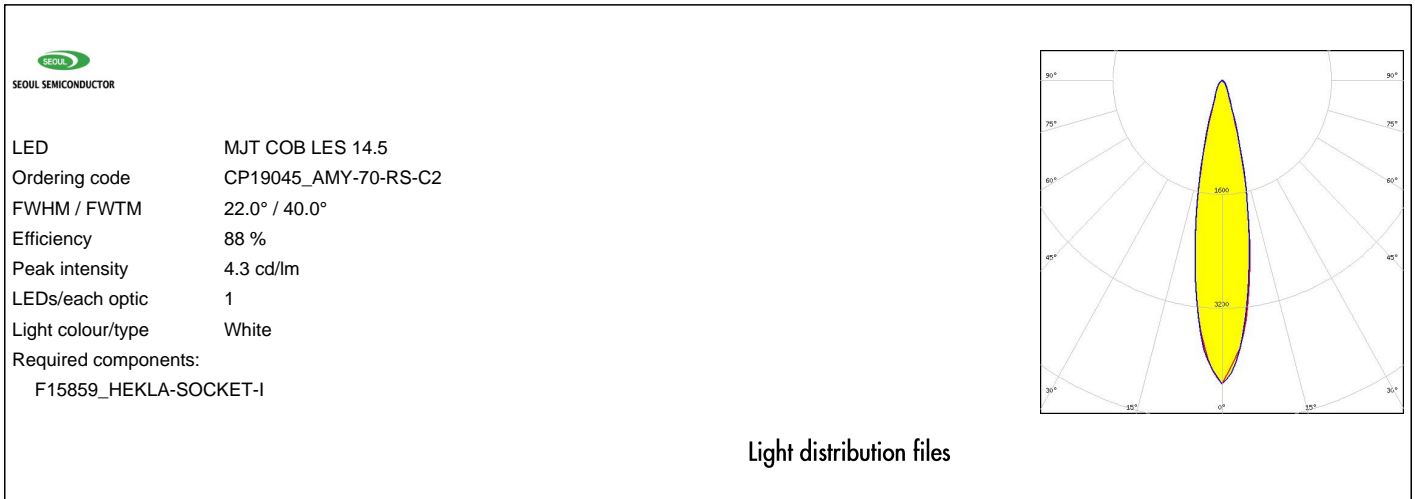
LED LC030C/040C G2
Ordering code CP19105_AMY-70-RS-B2
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



BJB: 47.360.1010

Light distribution files

OPTICAL RESULTS (SIMULATED):



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.

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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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