

AMY-50-S2

~15° spot beam with soft cutoff

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 49.9 mm |
| Height | 10.8 mm |
| Fastening | socket |
| ROHS compliant | yes ⓘ |

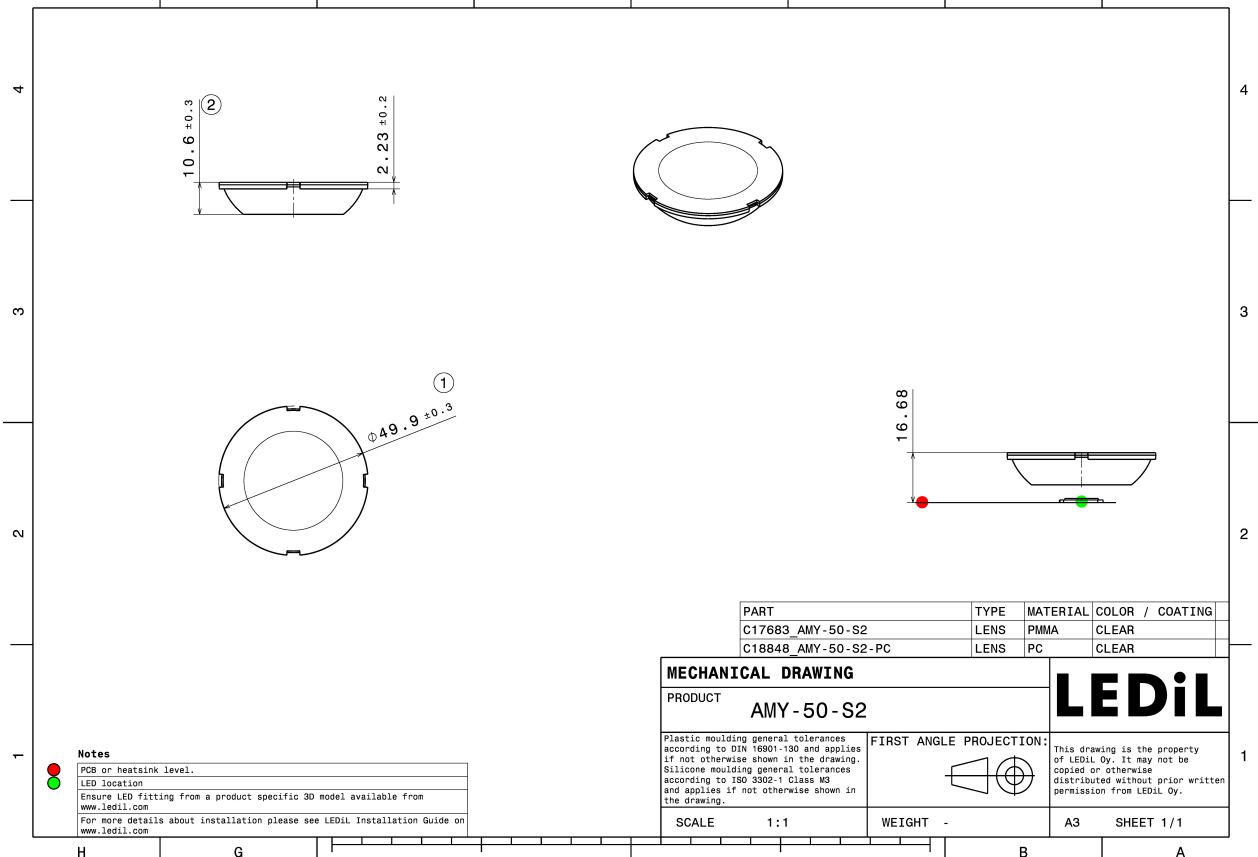
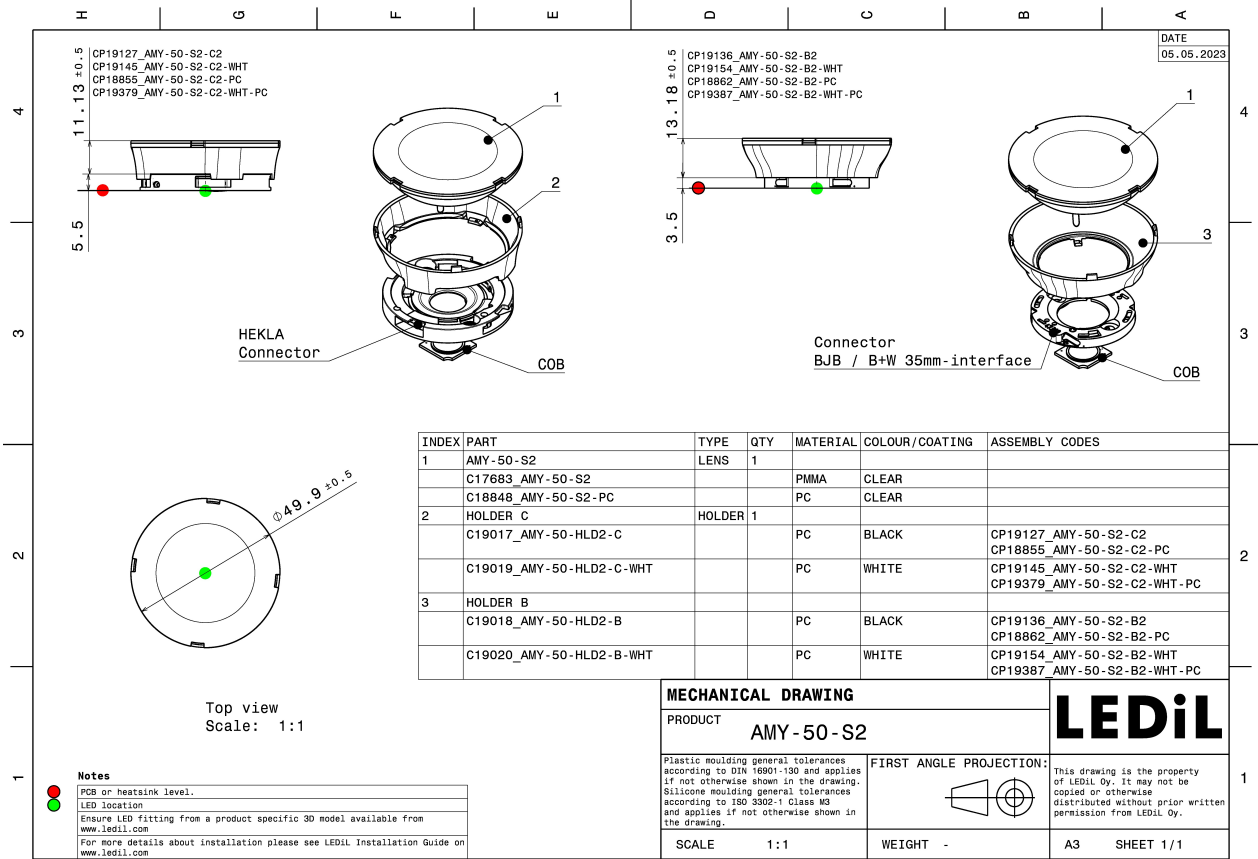
MATERIALS:

| Component | Type | Material | Colour | Finish |
|-------------------|-------------|----------|--------|--------|
| AMY-50-S2 | Single lens | PMMA | clear | |
| AMY-50-HLD2-C | Holder C | PC | black | |
| AMY-50-HLD2-B | Holder B | PC | black | |
| AMY-50-HLD2-C-WHT | Holder C | PC | white | |
| AMY-50-HLD2-B-WHT | Holder B | PC | white | |



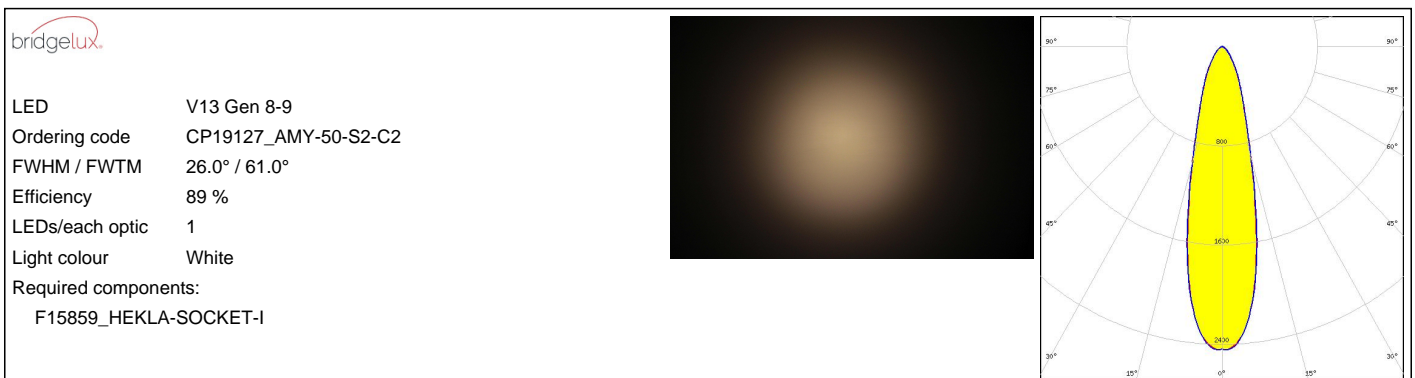
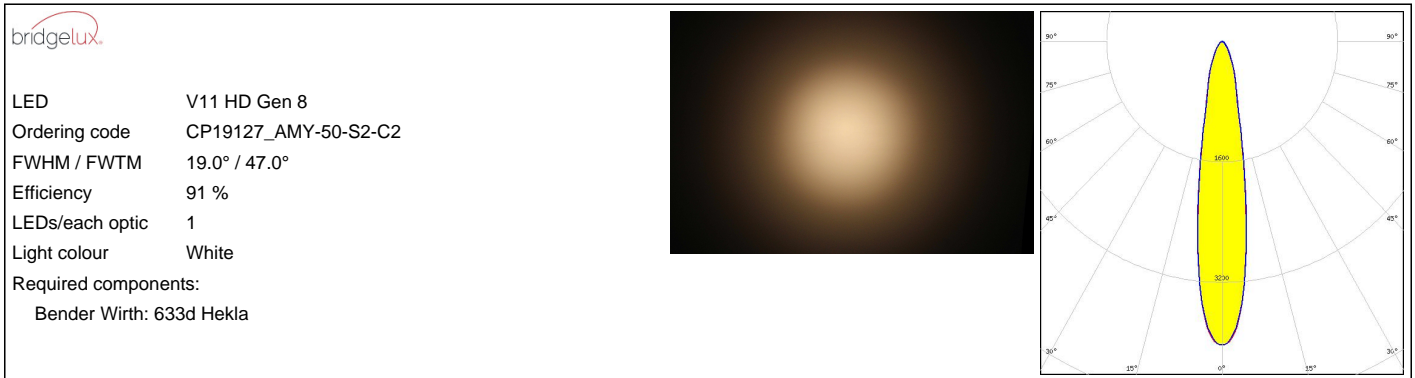
ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------|------------|-----|-----|-----------------|
| C18040_AMY-50-S2 | 690 | 120 | 30 | 9.1 |
| Assembly | | | | |
| CP19154_AMY-50-S2-B2-WHT | 510 | 120 | 30 | 8.5 |
| CP19145_AMY-50-S2-C2-WHT | 510 | 120 | 30 | 8.1 |
| CP19136_AMY-50-S2-B2 | 510 | 120 | 30 | 8.5 |
| CP19127_AMY-50-S2-C2 | 510 | 120 | 30 | 8.1 |



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


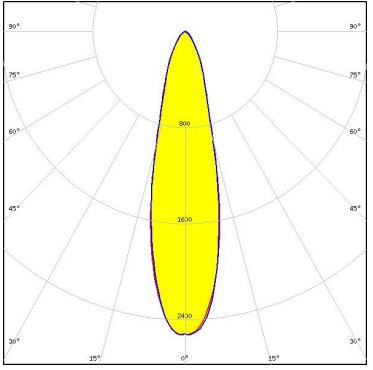
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):


bridgelux.

LED Vesta DTW 13mm (21W)
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 26.0° / 60.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8

bridgelux.

LED Vesta DTW 15mm (33W)
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 23.0° / 57.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8




bridgelux.

LED Vesta TW 13mm (18W) DP
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 24.0° / 58.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 492 Typ L8




bridgelux.

LED Vesta TW 15mm DP
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 29.0° / 65.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 482 Typ L8



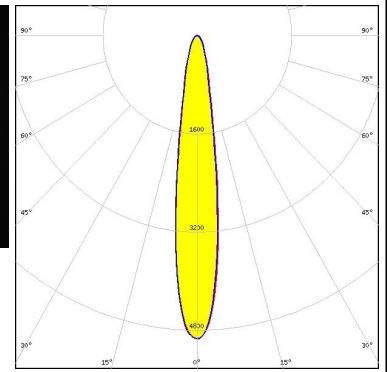
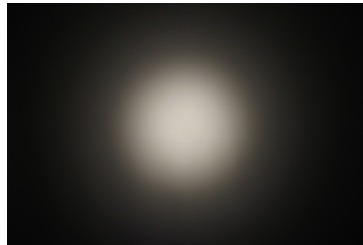

OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

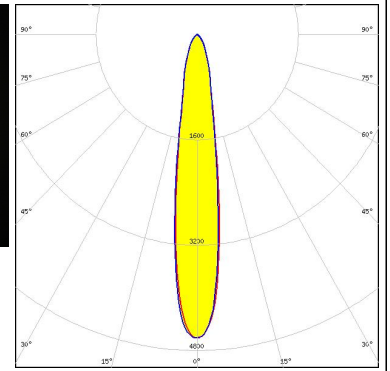
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19145_AMY-50-S2-C2-WHT
 FWHM / FWTM 16.0° / 40.0°
 Efficiency 95 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



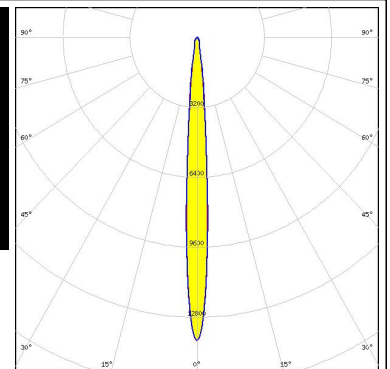
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 17.0° / 44.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



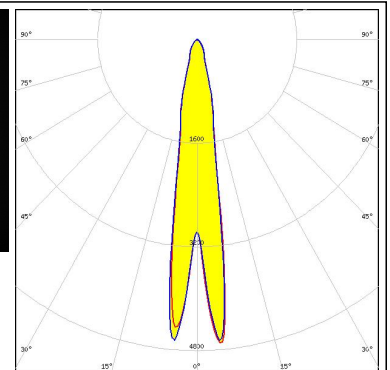
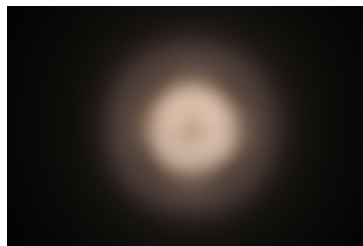
CITIZEN

LED CLU7S3
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 667a Bayonet35



LEDIM

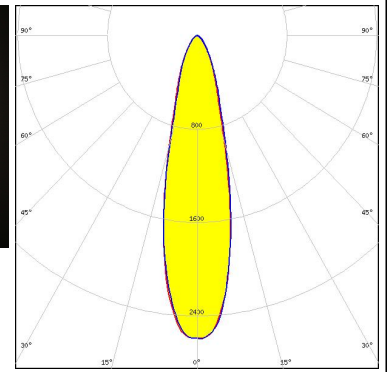
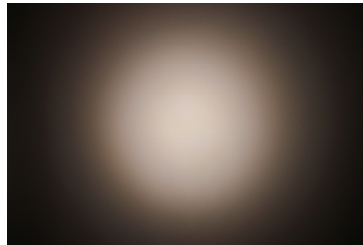
LED LEDIM/C6
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



OPTICAL RESULTS (MEASURED):



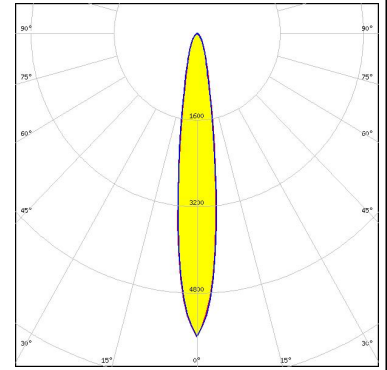
LED CTM-14 (Tunable White) Gen2
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 25.0° / 58.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 442 Typ L8



OPTICAL RESULTS (SIMULATED):

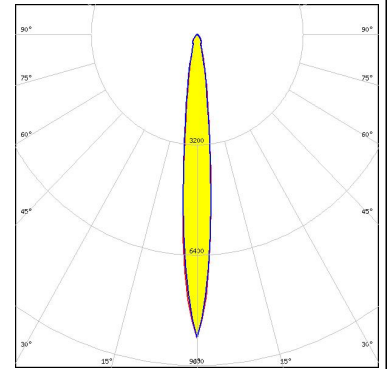
bridgelux

LED V10 Gen 8-9
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 14.0° / 38.0°
 Efficiency 90 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



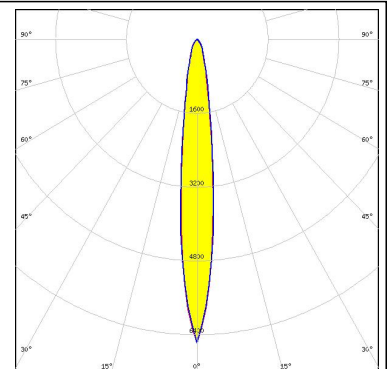
bridgelux

LED V6 HD Gen 8
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 11.0° / 28.0°
 Efficiency 93 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



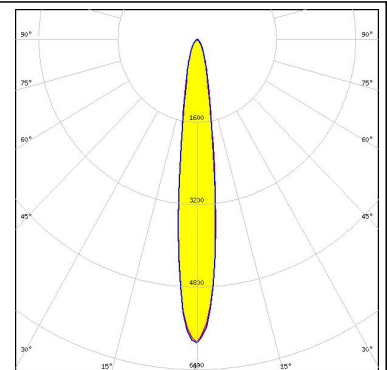
bridgelux

LED V8 Gen7
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 13.0° / 34.0°
 Efficiency 90 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15253_HEKLA-SOCKET-A



bridgelux

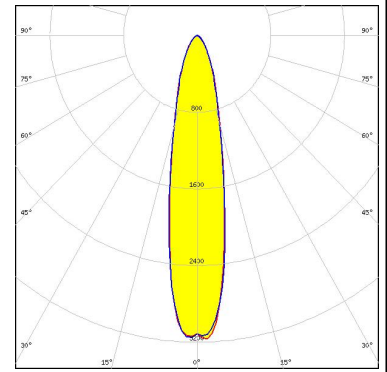
LED VERO10
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 14.0° / 37.0°
 Efficiency 91 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15616_HEKLA-SOCKET-F



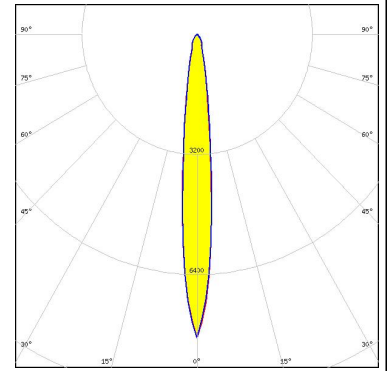
OPTICAL RESULTS (SIMULATED):



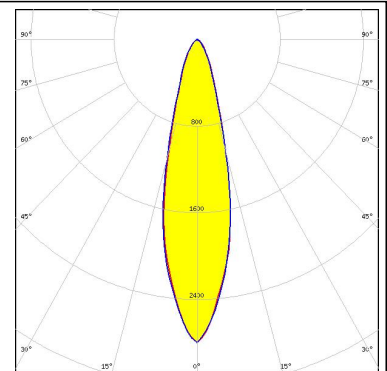
LED VERO13
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 22.0° / 56.0°
Efficiency 92 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C16142_HEKLA-SOCKET-K



LED Vesta DTW 6mm
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 12.0° / 30.0°
Efficiency 93 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652b Hekla

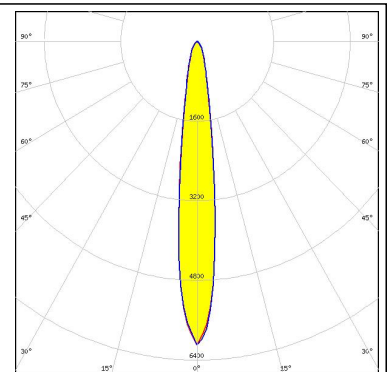


LED Vesta SE 13mm TW
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 26.0° / 55.0°
Efficiency 86 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K



CITIZEN

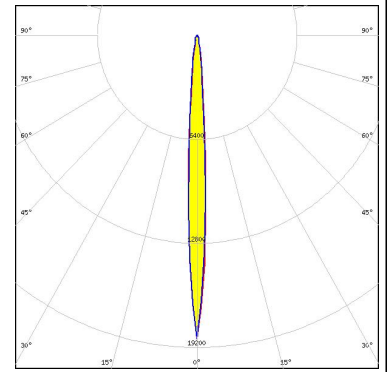
LED CLU712/713
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 14.0° / 34.0°
Efficiency 90 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17438_HEKLA-G2-I



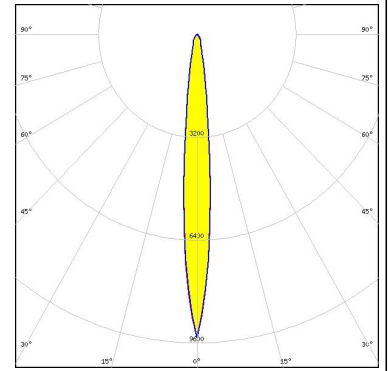
OPTICAL RESULTS (SIMULATED):



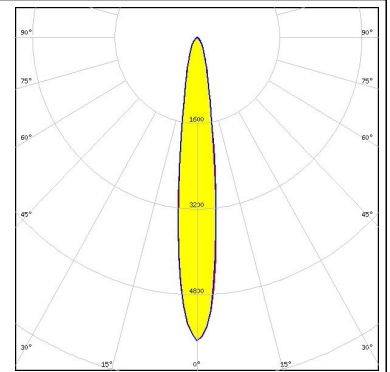
LED CHA0304
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 6.0° / 18.0°
Efficiency 90 %
Peak intensity 18.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



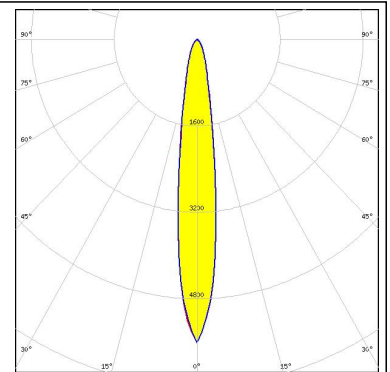
LED CHA0612
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 10.0° / 26.0°
Efficiency 90 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



LED CHA0825
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 14.0° / 37.0°
Efficiency 90 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17438_HEKLA-G2-I



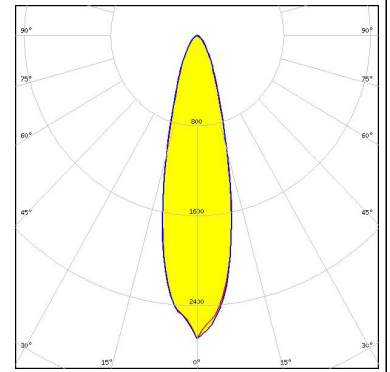
LED CMU10xx
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 14.0° / 38.0°
Efficiency 90 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



OPTICAL RESULTS (SIMULATED):

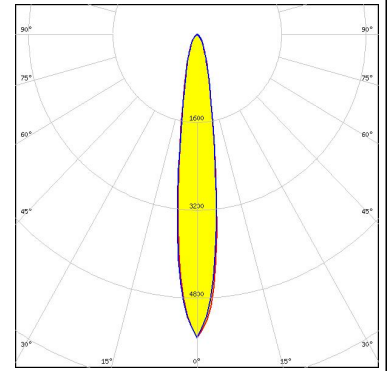
LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 26.0° / 58.0°
 Efficiency 92 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



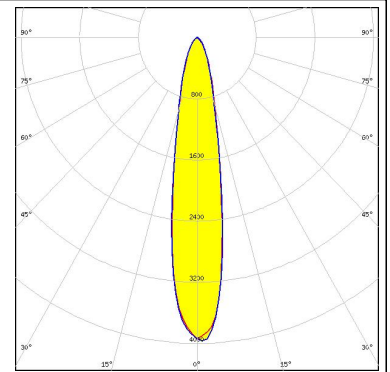
LUMILEDS

LED LUXEON CoB 1204HD
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 15.0° / 39.0°
 Efficiency 93 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



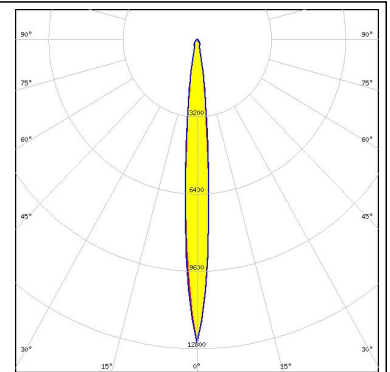
LUMILEDS

LED LUXEON CoB 1205HD
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 20.0° / 48.0°
 Efficiency 92 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



LUMILEDS

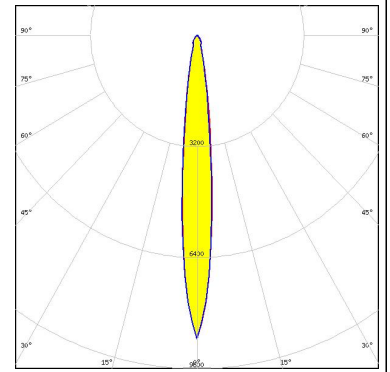
LED LUXEON CX Plus CoB - HD S01H4
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 93 %
 Peak intensity 12.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Bayonet35L



OPTICAL RESULTS (SIMULATED):

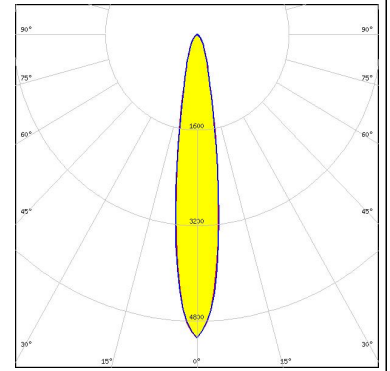
LUMILEDS

LED LUXEON CX Plus CoB - HD S02H6
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 12.0° / 28.0°
 Efficiency 93 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Bayonet35L



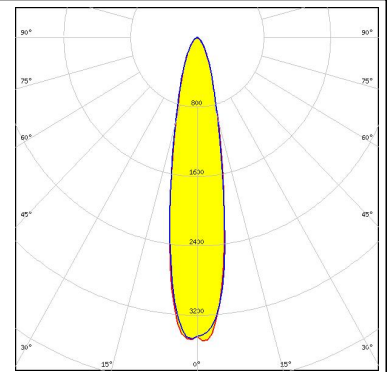
LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 16.0° / 40.0°
 Efficiency 93 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634a Bayonet35L



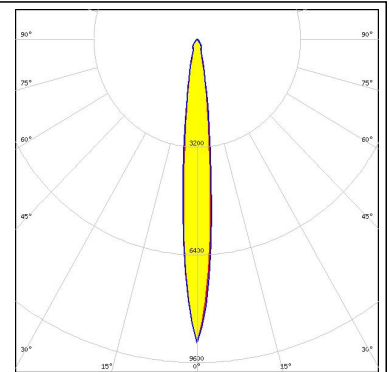
LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 20.0° / 51.0°
 Efficiency 91 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



LUMILEDS

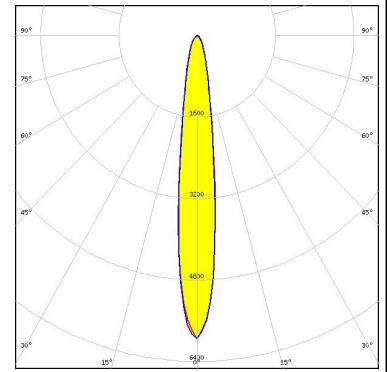
LED LUXEON CX Plus CoB S01 (Gen2)
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 94 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



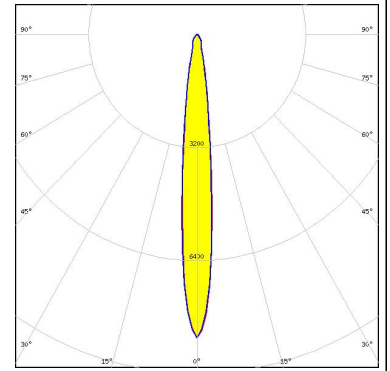
OPTICAL RESULTS (SIMULATED):



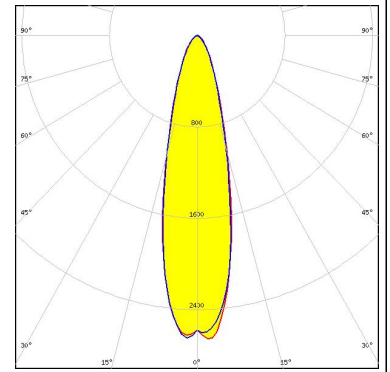
LED CHM-9 XH (19x19)
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 14.0° / 37.0°
Efficiency 93 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



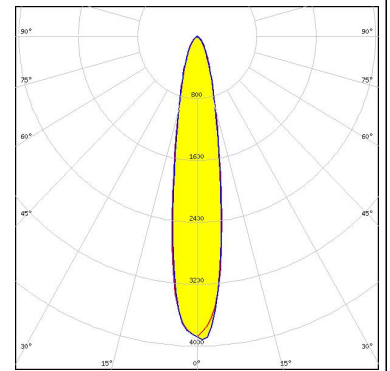
LED CxM-6 (13.5x13.5)
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 12.0° / 28.0°
Efficiency 93 %
Peak intensity 8.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



LED COB J-Type
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 26.0° / 59.0°
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 663a Hekla XL



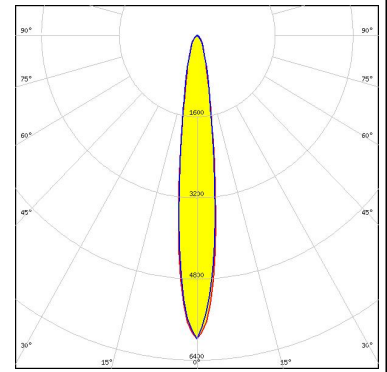
LED COB L-Type (LES 11)
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 19.0° / 48.0°
Efficiency 92 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H



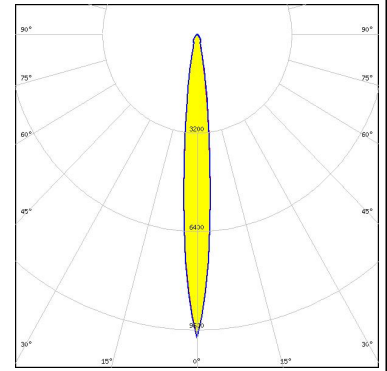
OPTICAL RESULTS (SIMULATED):



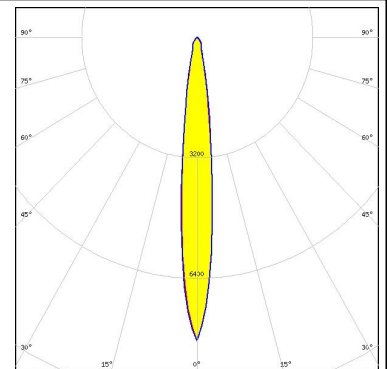
LED COB L-Type (LES 9)
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 14.0° / 36.0°
Efficiency 92 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15858_HEKLA-SOCKET-H



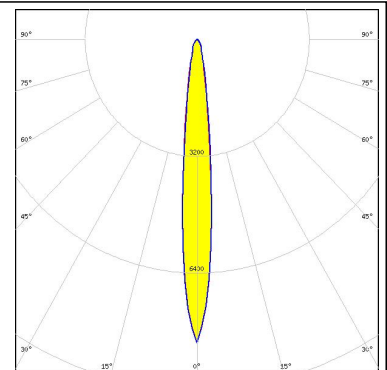
LED COB S-Type (LES 6)
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 10.0° / 26.0°
Efficiency 93 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L



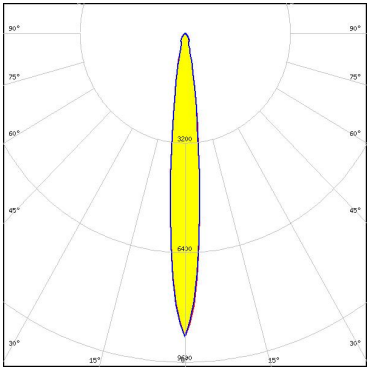
LED COB S-Type (LES 7)
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 12.0° / 28.0°
Efficiency 93 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L


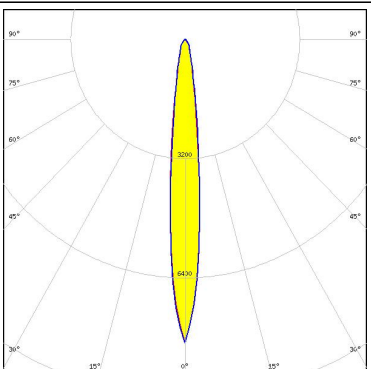



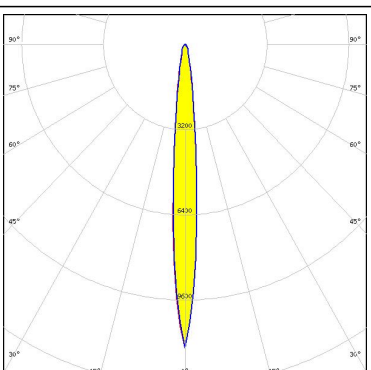
LED COB S-Type (LES 7)
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 12.0° / 28.0°
Efficiency 89 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Hekla


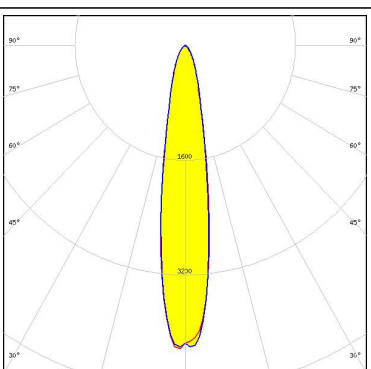


OPTICAL RESULTS (SIMULATED):

| | | |
|--|----------------------|---|
|  | |  |
| LED | COB T-Type | |
| Ordering code | CP19136_AMY-50-S2-B2 | |
| FWHM / FWTM | 12.0° / 27.0° | |
| Efficiency | 93 % | |
| Peak intensity | 8.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| Bender Wirth: 652a Bayonet35L | | |

| | | |
|--|--|--|
|  | |  |
| LED | NJCWL024Z-V1MT: COB L-Type Tunable White | |
| Ordering code | CP19127_AMY-50-S2-C2 | |
| FWHM / FWTM | 12.0° / 30.0° | |
| Efficiency | 92 % | |
| Peak intensity | 8.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | Tunable White | |
| Required components: | | |
| C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8 HV | | |

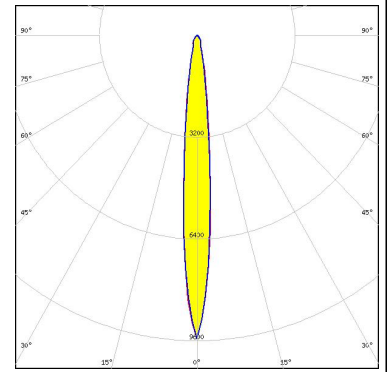
| | | |
|--|--|---|
|  | |  |
| LED | NJNWS012Z-V1MT: COB S-Type Tunable White | |
| Ordering code | CP19127_AMY-50-S2-C2 | |
| FWHM / FWTM | 10.0° / 24.0° | |
| Efficiency | 92 % | |
| Peak intensity | 11.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | Tunable White | |
| Required components: | | |
| C16142_HEKLA-SOCKET-K Bender Wirth: 495 Typ L8 HV | | |

| | | |
|--|--|---|
|  | |  |
| LED | NVCWJ024Z-V1MT: COB J-Type Tunable White | |
| Ordering code | CP19127_AMY-50-S2-C2 | |
| FWHM / FWTM | 18.0° / 46.0° | |
| Efficiency | 92 % | |
| Peak intensity | 4.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | Tunable White | |
| Required components: | | |
| C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8 HV | | |

OPTICAL RESULTS (SIMULATED):

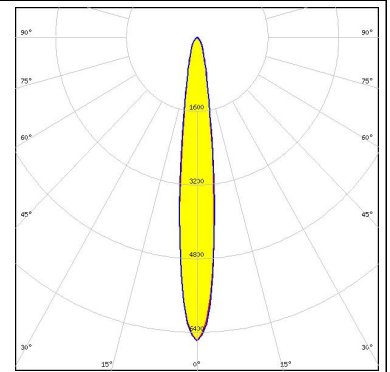
SAMSUNG

LED LC010C G2
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 10.0° / 26.0°
Efficiency 93 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



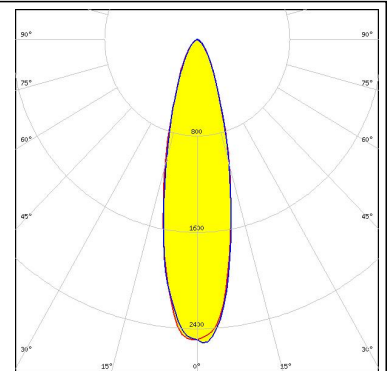
SAMSUNG

LED LC010T (Tunable White)
Ordering code CP19127_AMY-50-S2-C2
FWHM / FWTM 14.0° / 34.0°
Efficiency 92 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
Bender Wirth: 501 Typ L8



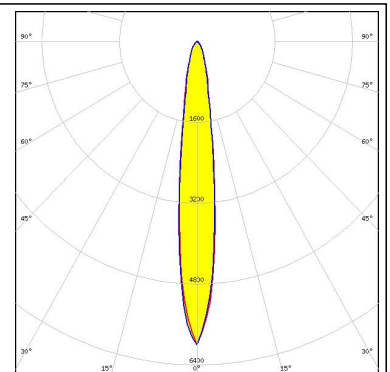
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 26.0° / 60.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



SAMSUNG

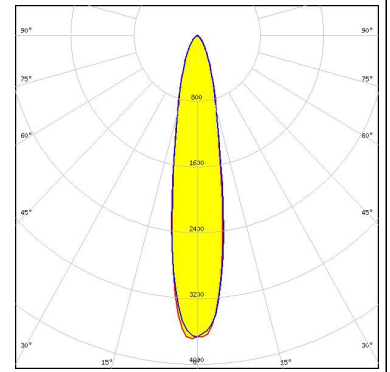
LED LC020C G2
Ordering code CP19136_AMY-50-S2-B2
FWHM / FWTM 14.0° / 37.0°
Efficiency 91 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



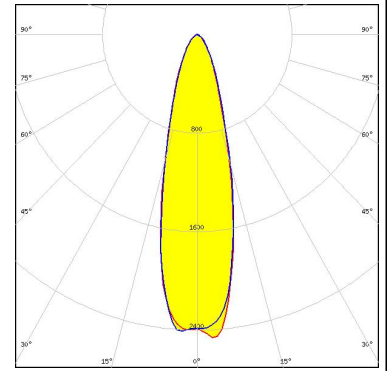
OPTICAL RESULTS (SIMULATED):

SAMSUNG

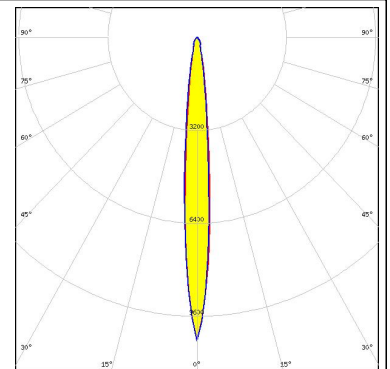
LED LC030C/040C G2
 Ordering code CP19136_AMY-50-S2-B2
 FWHM / FWTM 20.0° / 50.0°
 Efficiency 90 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1010



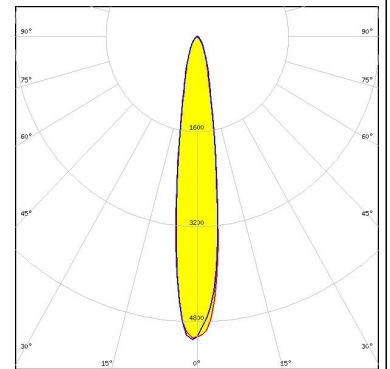
SEOUL SEMICONDUCTOR
 LED MJT COB LES 14.5
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 28.0° / 61.0°
 Efficiency 91 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



SEOUL SEMICONDUCTOR
 LED MJT COB LES 6
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 91 %
 Peak intensity 10.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



SEOUL SEMICONDUCTOR
 LED MJT COB LES 9.8
 Ordering code CP19127_AMY-50-S2-C2
 FWHM / FWTM 16.0° / 40.0°
 Efficiency 91 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



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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