# STELLA-G2-T3

**IESNA Type III (medium) beam for roads that are equal to or wider than mounting height. Variant with black frame.**


## TECHNICAL SPECIFICATIONS:

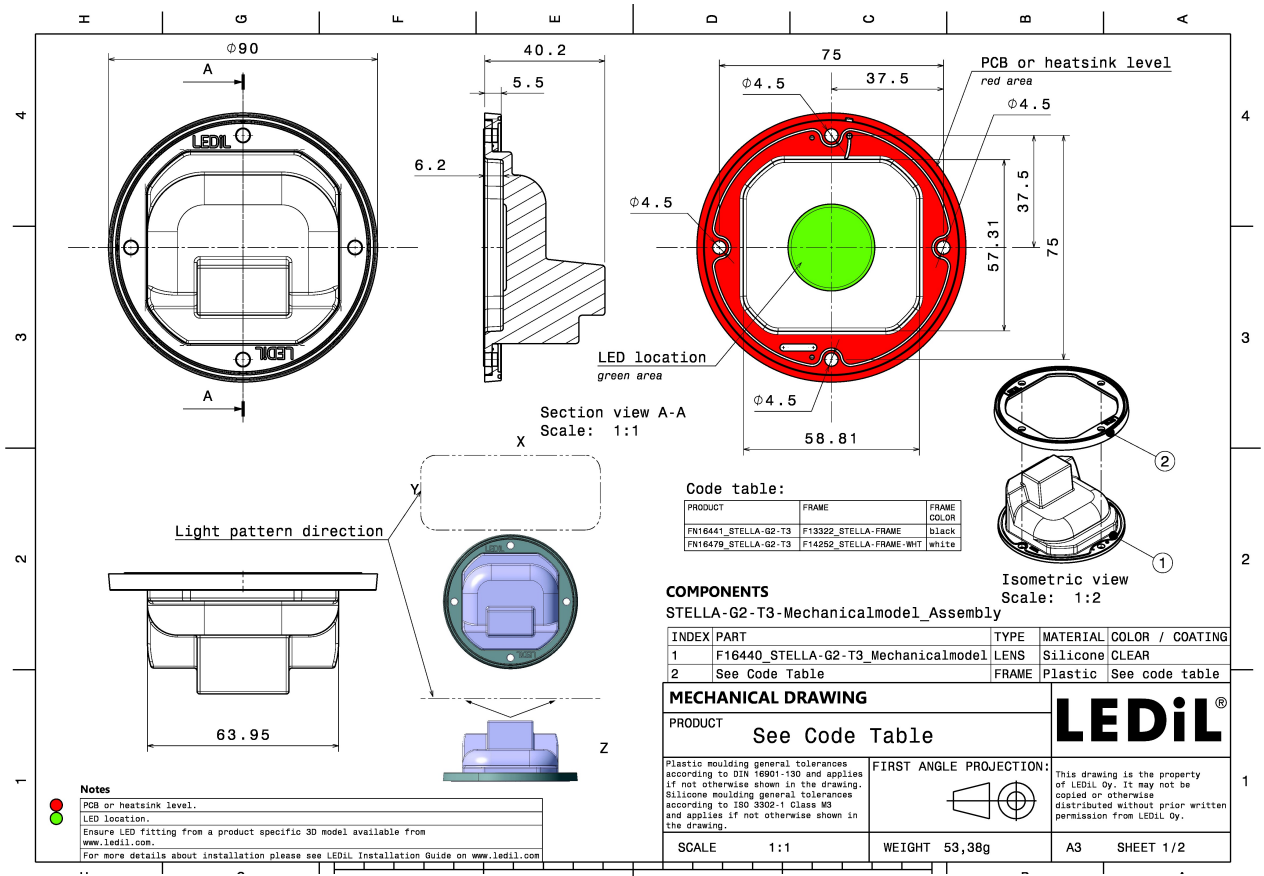
| | |
|---|---|
| Dimensions | Ø 90.0 mm |
| Height | 40.2 mm |
| Fastening | socket |
| Ingress protection classes | IP67 |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|---|---|---|---|---|
| STELLA-G2-T3 | Single lens | Silicone | clear | |
| STELLA-FRAME | Holder | PA66 | black | |

## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| FN16441_STELLA-G2-T3<br>» Box size: 480 x 280 x 300 mm | Single lens | 90 | 90 | 15 | 5.6 |




**COMPONENTS**

STELLA-G2-T3-Mechanicalmodel_Assembly

| INDEX | PART | TYPE | MATERIAL | COLOR / COATING |
|---|---|---|---|---|
| 1 | F16440_STELLA-G2-T3_Mechanicalmodel | LENS | Silicone | CLEAR |
| 2 | See Code Table | FRAME | Plastic | See code table |

**MECHANICAL DRAWING**

PRODUCT: See Code Table

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

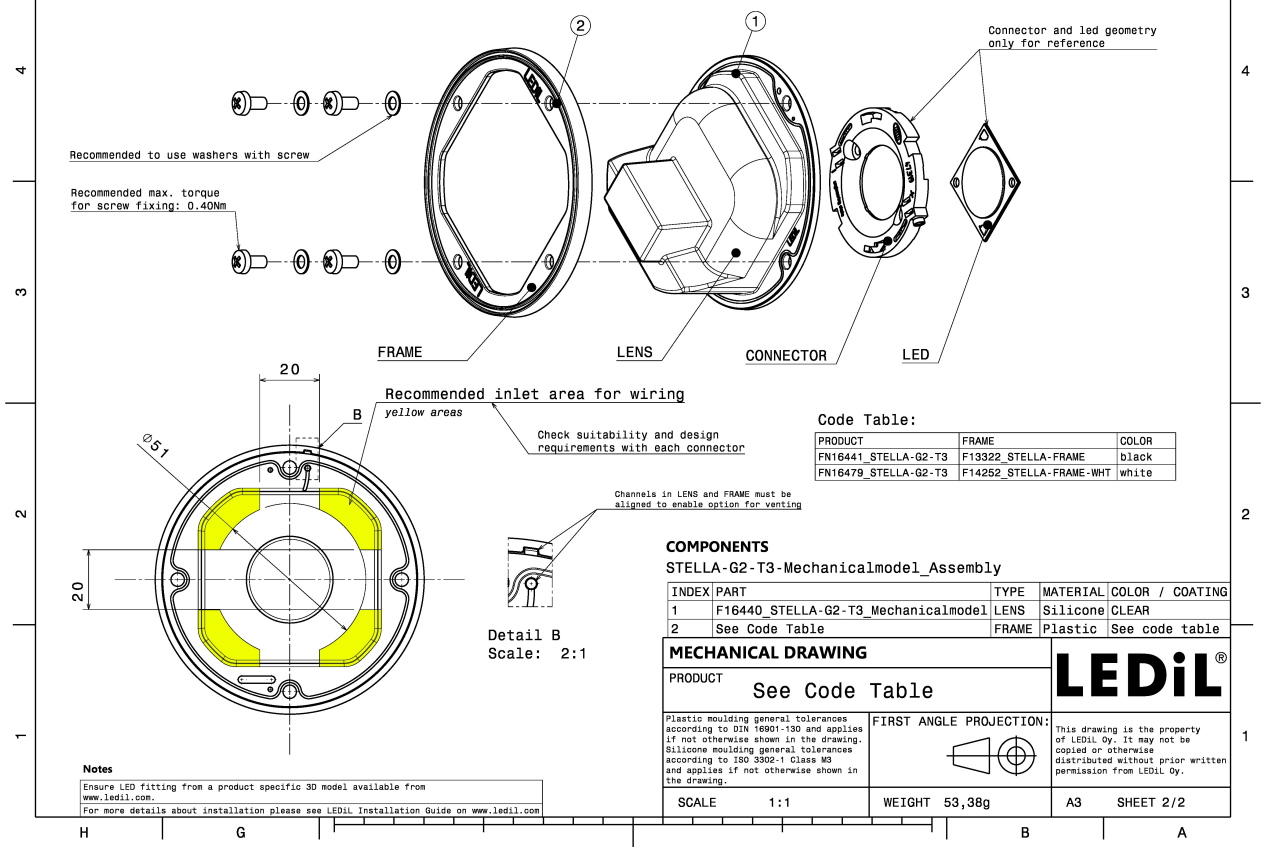
FIRST ANGLE PROJECTION:



SCALE 1:1 | WEIGHT 53,38g | A3 | SHEET 1/2

**Notes**

- PCB or heatsink level.
- LED location.
- Ensure LED fitting from a product specific 3D model available from www.ledil.com.
- For more details about installation please see LEDiL Installation Guide on www.ledil.com




Code Table:

| PRODUCT | FRAME | COLOR |
|---|---|---|
| FN16441_STELLA-G2-T3 | F13322_STELLA-FRAME | black |
| FN16479_STELLA-G2-T3 | F14252_STELLA-FRAME-WHT | white |

**COMPONENTS**

STELLA-G2-T3-Mechanicalmodel_Assembly

| INDEX | PART | TYPE | MATERIAL | COLOR / COATING |
|---|---|---|---|---|
| 1 | F16440_STELLA-G2-T3_Mechanicalmodel | LENS | Silicone | CLEAR |
| 2 | See Code Table | FRAME | Plastic | See code table |

**MECHANICAL DRAWING**

PRODUCT: See Code Table

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:



SCALE 1:1 | WEIGHT 53,38g | A3 | SHEET 2/2

**Notes**

- Ensure LED fitting from a product specific 3D model available from www.ledil.com.
- For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

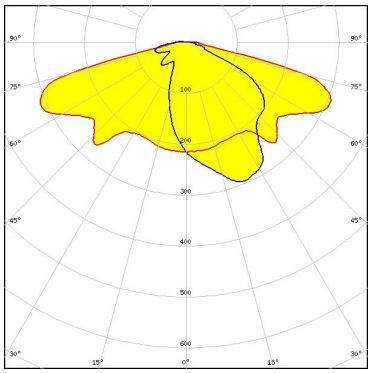
## PHOTOMETRIC DATA (MEASURED):

bridgelux

| | |
|---|---|
| LED | V22 Gen7 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

Bender Wirth: 431 Typ Z1

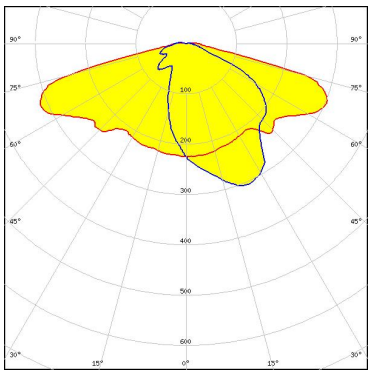


bridgelux

| | |
|---|---|
| LED | V22 Gen7 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

BJB: 47.319.2030

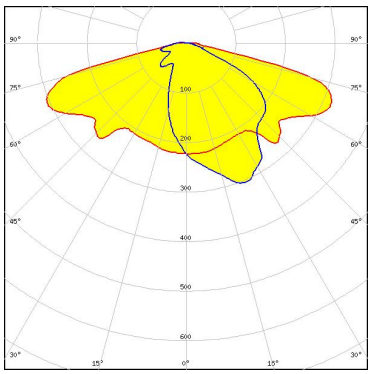


bridgelux

| | |
|---|---|
| LED | V22 Gen7 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

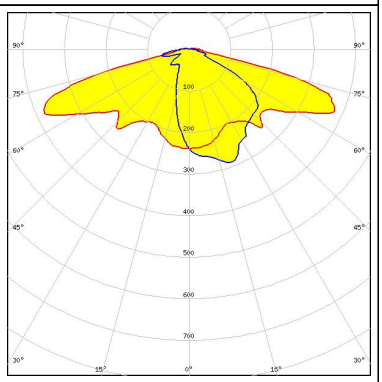
TE Connectivity: 2213480-1



bridgelux

| | |
|---|---|
| LED | VERO18 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

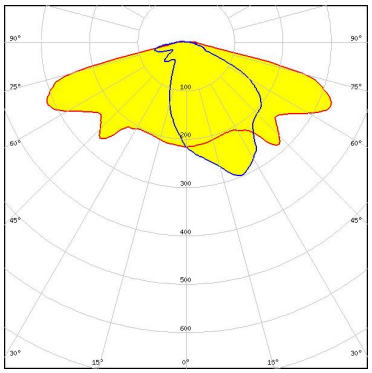


## PHOTOMETRIC DATA (MEASURED):

### CITIZEN

| | |
|---|---|
| LED | CLL04x/CLU04x |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

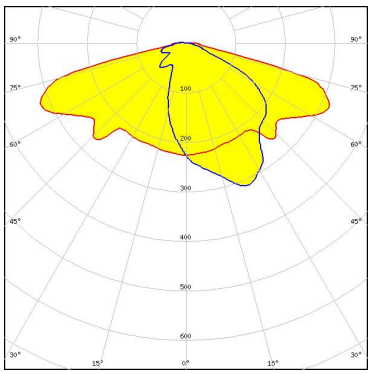


### CITIZEN

| | |
|---|---|
| LED | CLL04x/CLU04x |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

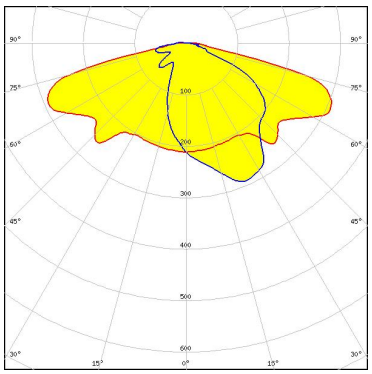
BJB: 47.319.2030



### CREE

| | |
|---|---|
| LED | CMA3090 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

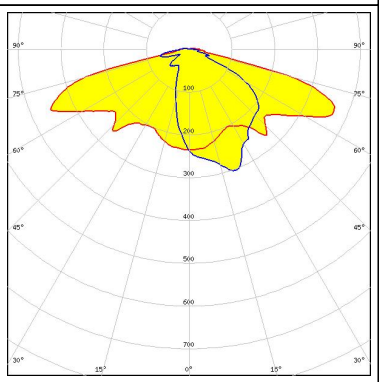


### LUMILEDS

| | |
|---|---|
| LED | LUXEON CoB 1211 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

Bender Wirth: 431 Typ L3

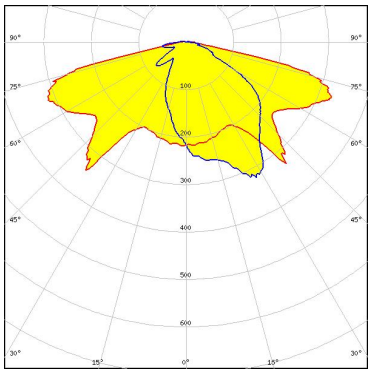


## PHOTOMETRIC DATA (MEASURED):

SAMSUNG

| | |
|---|---|
| LED | LC040D / LC060D / LC080D |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

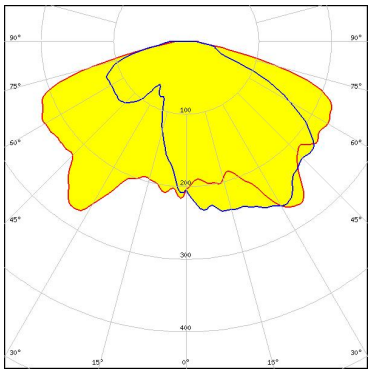
Required components:



## PHOTOMETRIC DATA (SIMULATED):

bridgelux

| | |
|---|---|
| LED | VERO29 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 93 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

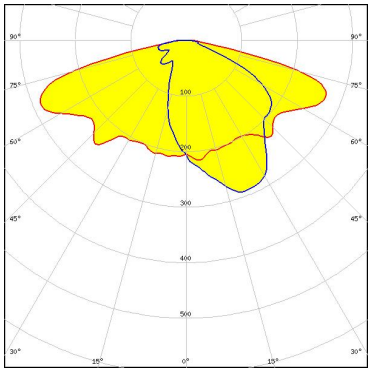


CREE

| | |
|---|---|
| LED | CMT28xx |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

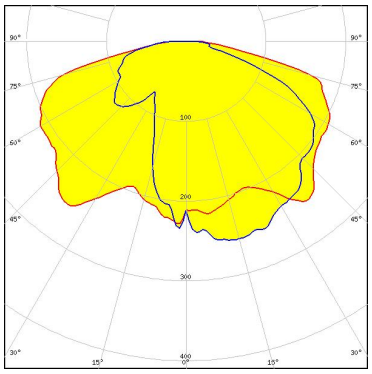
CREE

| | |
|---|---|
| LED | CMT28xx |
| FWHM / FWTM | Asymmetric |
| Efficiency | 85 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMILEDS

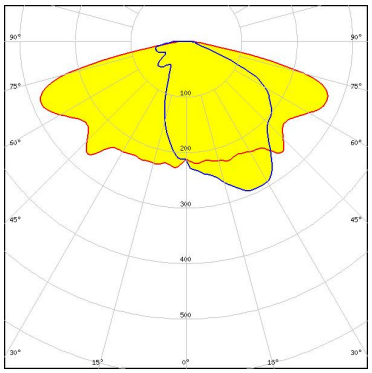
| | |
|---|---|
| LED | LUXEON CoB 1321 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 92 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

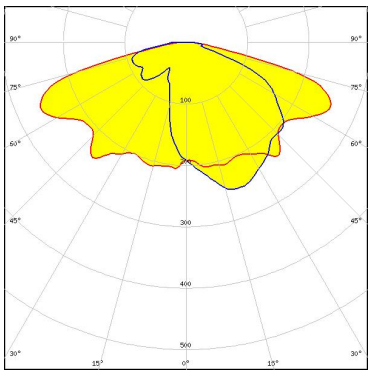
PHILIPS

| | |
|---|---|
| LED | Fortimo SLM L23 + SLM holder (PI) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | MJT COB LES 22 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

## MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

## PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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