STELLA-G2-VSM

IESNA Type V (square) beam for wide areas such as car parks. Compatible with up to 30 mm LES size COBs. Variant with black frame.

SPECIFICATION:

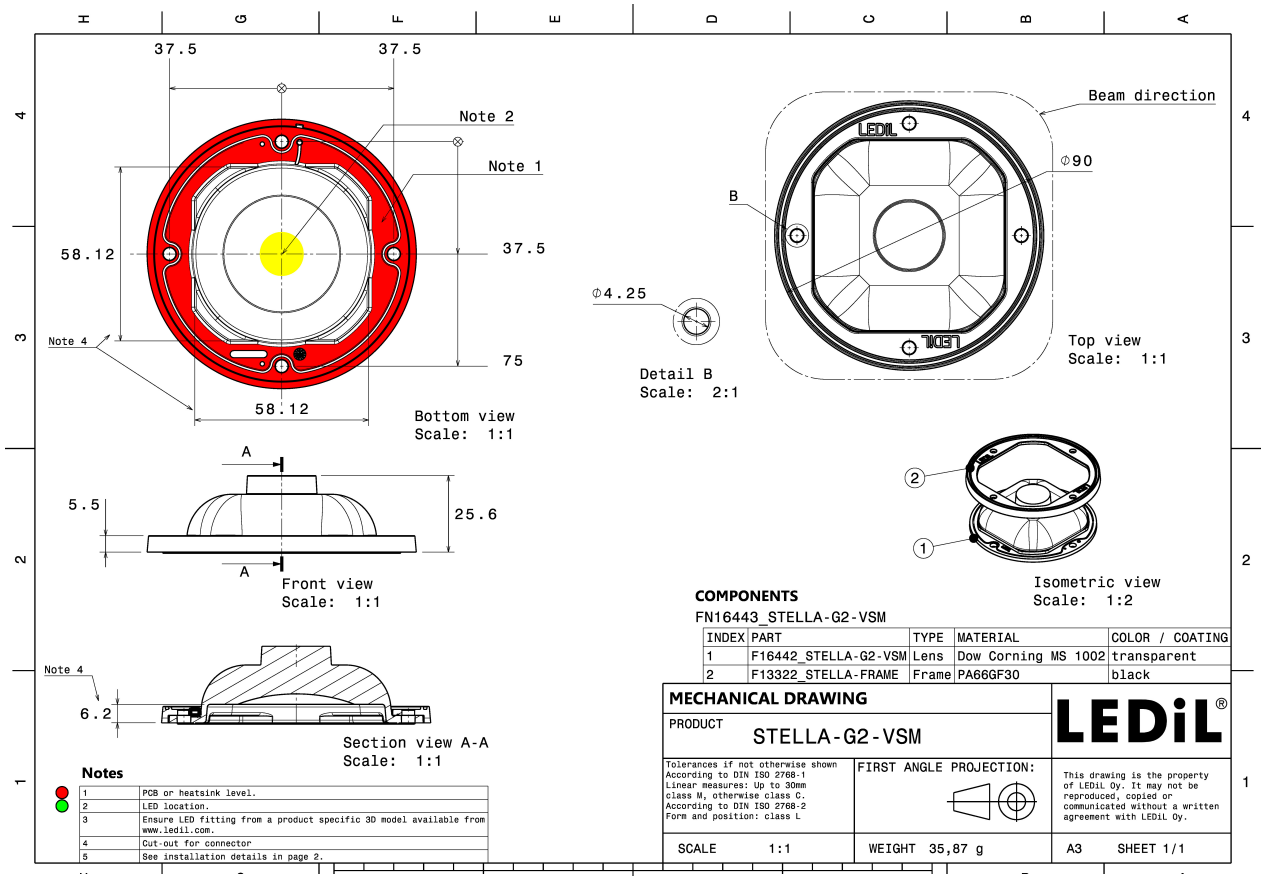
Dimensions	Ø 90.0
Height	25.6 mm
Fastening	screw, socket
Ingress protection classes	IP67
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STELLA-G2-VSM	Single lens	Silicone	clear		
STELLA-FRAME	Holder	PA66	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16443_STELLA-G2-VSM	Single lens	135	135	15	7.2
» Box size: 480 x 280 x 300 mm					



COMPONENTS

FN16443_STELLA-G2-VSM

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	F16442_STELLA-G2-VSM	Lens	Dow Corning MS 1002	transparent
2	F13322_STELLA-FRAME	Frame	PA66GF30	black

Notes

1	PCB or heatsink level.
2	LED location.
3	Ensure LED fitting from a product specific 3D model available from www.ledil.com.
4	Cut-out for connector
5	See installation details in page 2.

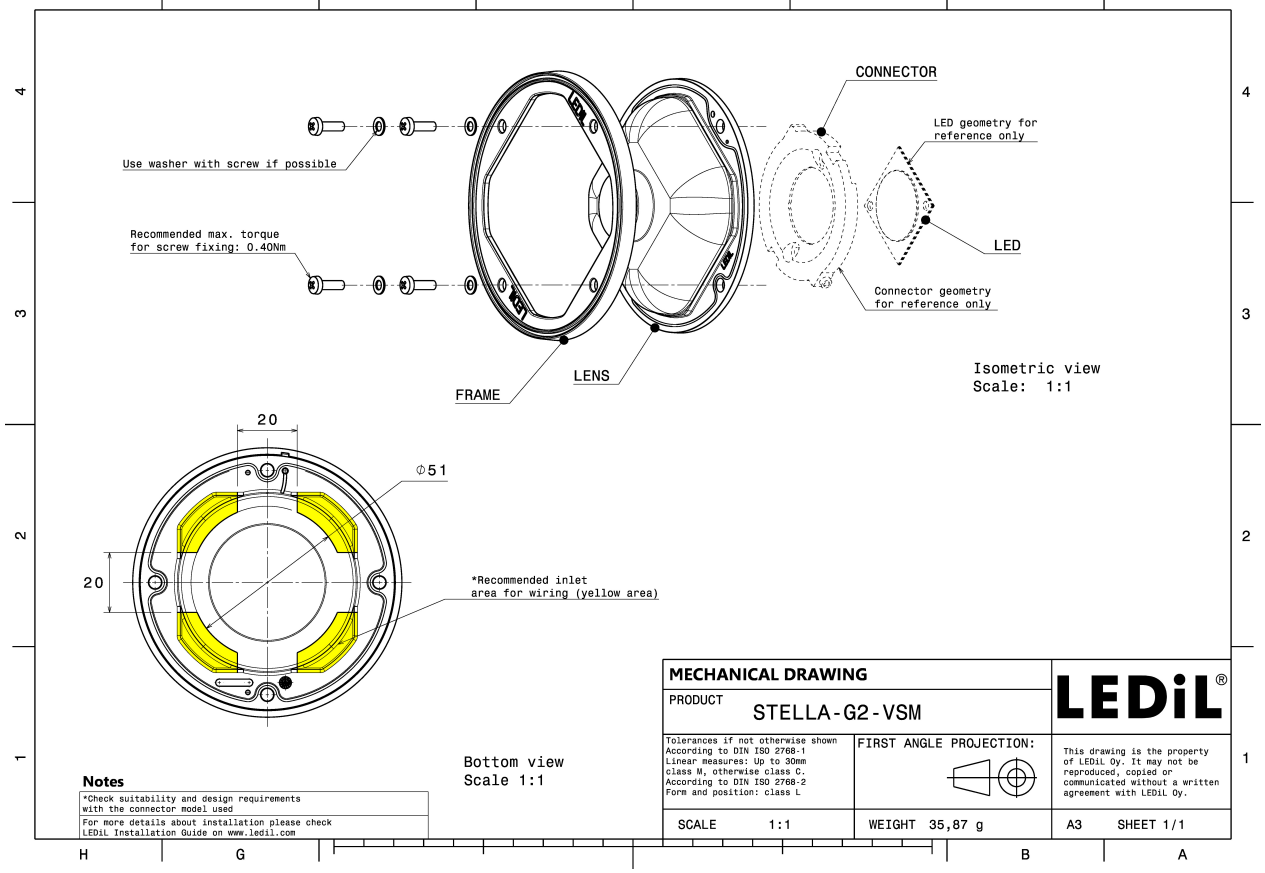
MECHANICAL DRAWING

PRODUCT: STELLA-G2-VSM

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: Up to 30mm
class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT 35,87 g | A3 | SHEET 1/1



Notes

*Check suitability and design requirements with the connector model used
For more details about installation please check LEDiL Installation Guide on www.ledil.com

MECHANICAL DRAWING

PRODUCT: STELLA-G2-VSM

Tolerances if not otherwise shown
According to DIN ISO 2768-1
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FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT 35,87 g | A3 | SHEET 1/1

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

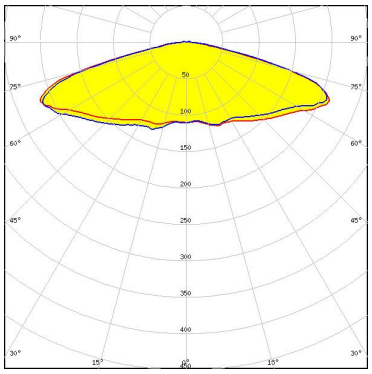
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

Bender Wirth: 431 Typ Z1



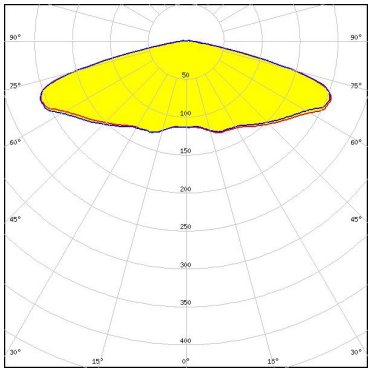
Light distribution files

bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

TE Connectivity: 2213480-1

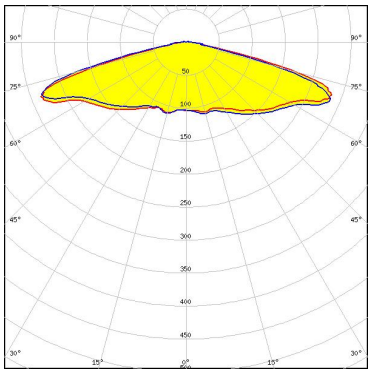


Light distribution files

bridgelux

LED	VERO18
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

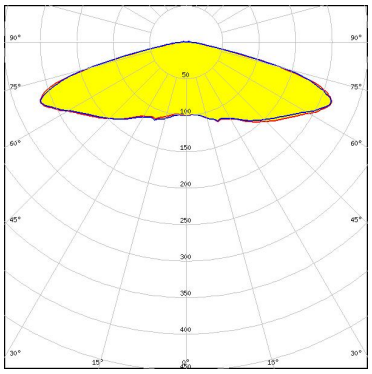


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

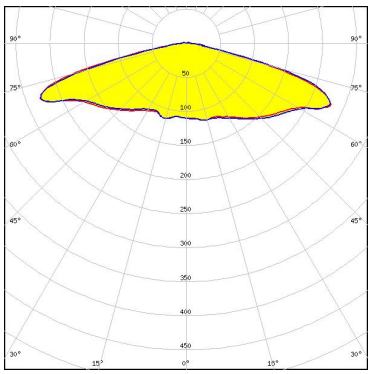
LED	CLL04x/CLU04x
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CoB 1211
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 431 Typ L3	

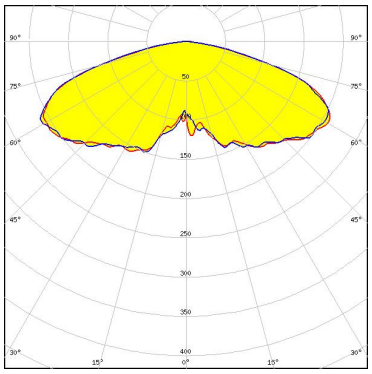


Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

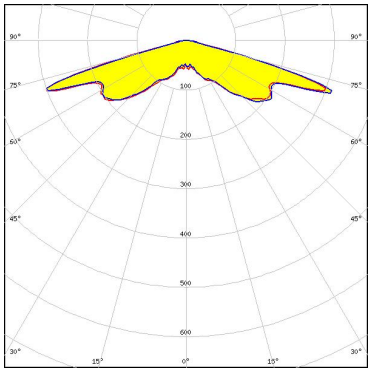
LED	VERO29
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

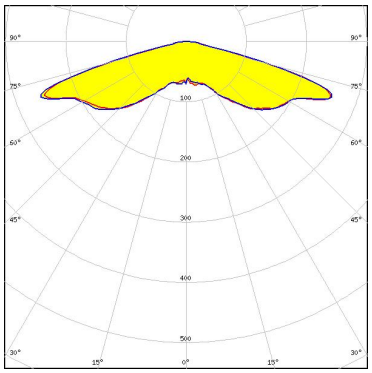
LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

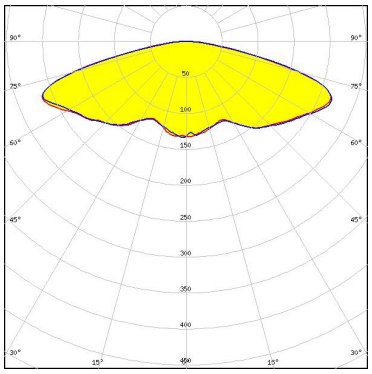


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	CMA3090
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

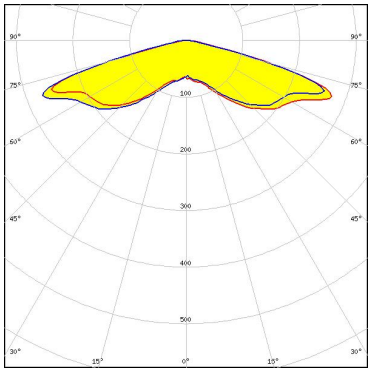


Light distribution files

CREE LEDs

LED	CMT19xx
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

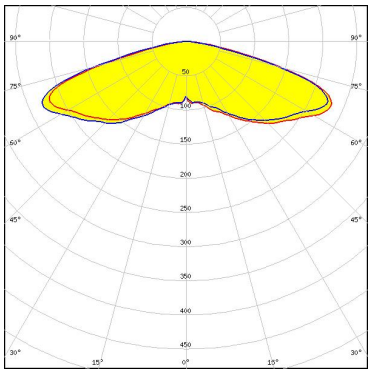
Bender Wirth: 477 Typ Z1



Light distribution files

CREE LEDs

LED	CMT28xx
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

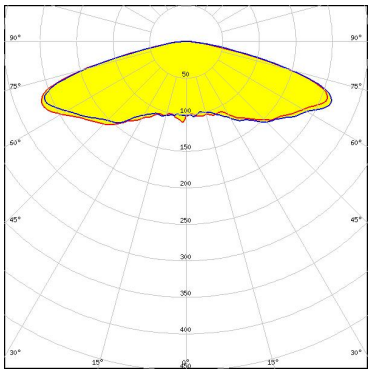


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	CMT28xx
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

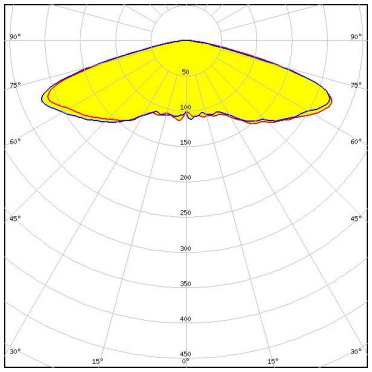


Light distribution files

CREE LEDs

LED	CMU22xx
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

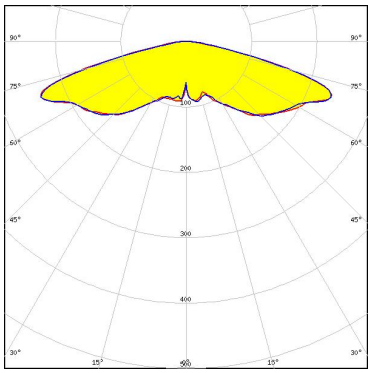
Bender Wirth: 431 Typ L4



Light distribution files

CREE LEDs

LED	CXA/B 25xx
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



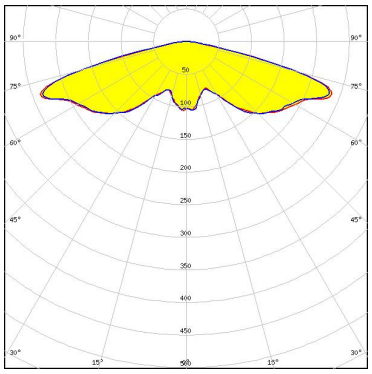
Light distribution files

OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE G7 LES17
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.3 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.

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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