

STELLA-VSM

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

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	20.7 mm
Fastening	socket
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

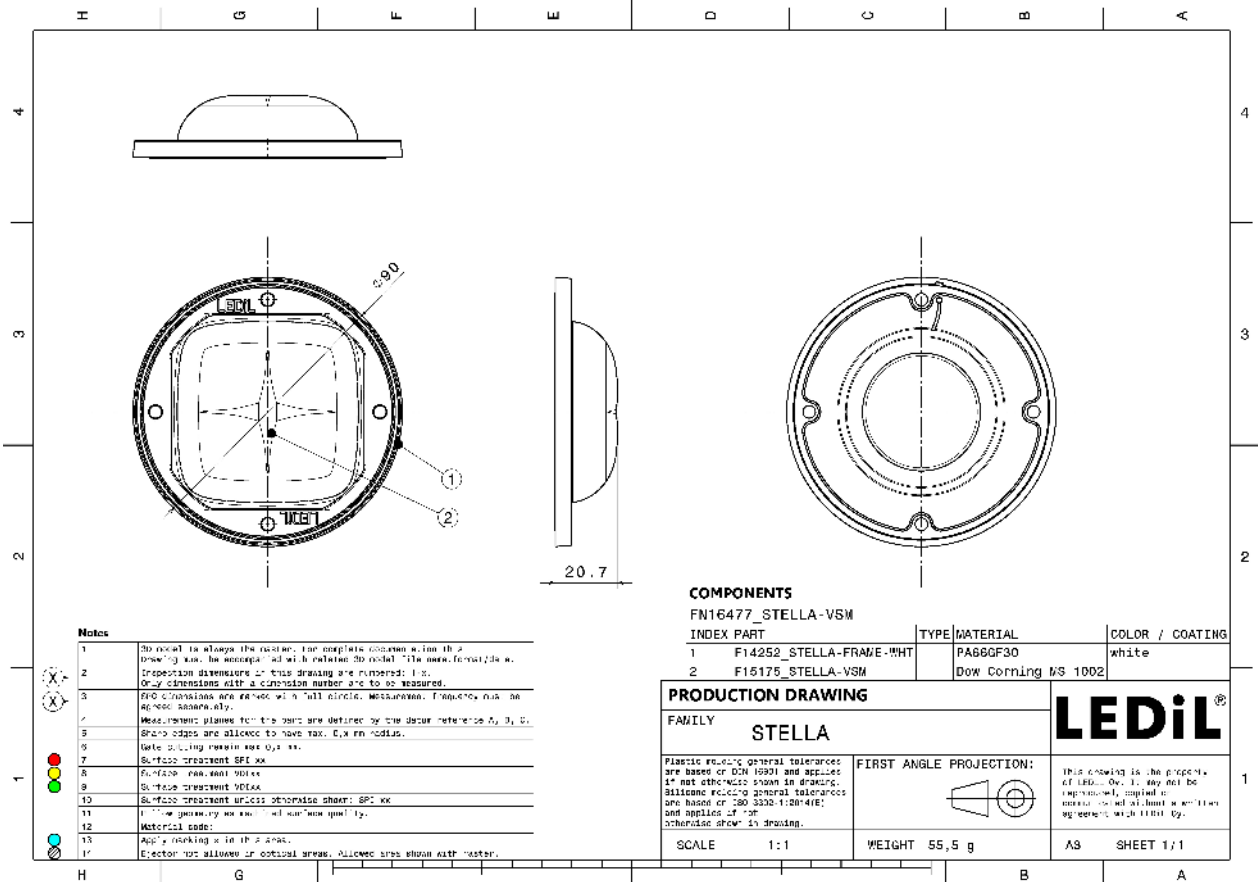


MATERIALS:

Component	Type	Material	Colour	Finish
STELLA-VSM	Single lens	Silicone	clear	
STELLA-FRAME-WHT	Holder	PA66	white	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FN16477_STELLA-VSM	Single lens	135	135	15	9.2
» Box size: 480 x 280 x 300 mm					



Notes

- 1 Do not cut along the center, the complete corner when the drawing was developed with relation to the new format etc. Inspection dimensions in this drawing are rounded: 0.2.
- 2 Only dimensions with a dimension number are to be measured.
- 3 PRO DIMENSIONS ARE GIVEN WITH FULL DECIMALS. Fractions are to be given separately.
- 4 Measurement planes for this part are defined by the datum reference A, B, C.
- 5 Sharp edges are allowed to have max. 0.1 mm radius.
- 6 Hole drilling marks are 0.2 mm.
- 7 Surface treatment SPC XX
- 8 Surface treatment VDI 41
- 9 Surface treatment VDI 41
- 10 Surface treatment unless otherwise stated: SPC XX
- 11 If the geometry is not defined, it is not to be used.
- 12 Material code.
- 13 App. marking in the areas.
- 14 Electro not allowed in optical areas. Allowed area shown with asterisk.

COMPONENTS

FN16477_STELLA-VSM

INDEX PART	TYPE	MATERIAL	COLOR / COATING
1 F14252_STELLA-FRAME-WHT		PA66GF30	white
2 F15175_STELLA-VSM		Dow Corning MS 1002	

PRODUCTION DRAWING

FAMILY STELLA			<p>LEDiL®</p> <p>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or used without a written agreement with LEDiL Oy.</p>
<p>Plastic parts' general tolerances are based on DIN 1801 and applies if not otherwise shown in drawing.</p> <p>Aluminum parts' general tolerances are based on ISO 3302-1:2014(E) and applies if not otherwise shown in drawing.</p>			
SCALE	1:1	WEIGHT	55,5 g
		A3	SHEET 1/1

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

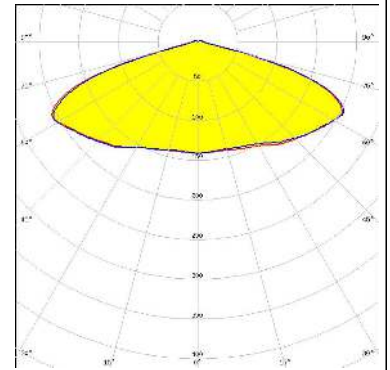
OPTICAL RESULTS (MEASURED):



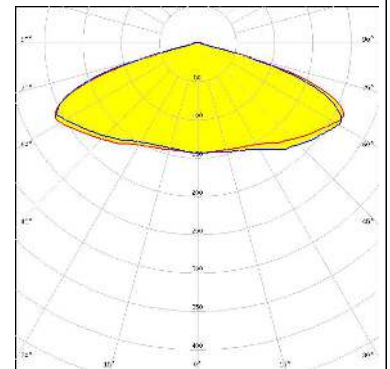
LED V18 Gen7
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED V22 Gen7
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED V22 Gen7
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



LED Vero SE 13
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):



LED Vero SE 18
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Vero SE 29
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:






LED VERO18
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CITIZEN

LED CLL05x/CLU05x
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):

 SEOUL SEMICONDUCTOR	
LED	MJT COB LES 14.5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
 SEOUL SEMICONDUCTOR	
LED	MJT COB LES 22
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
 SEOUL SEMICONDUCTOR	
LED	MJT COB LES 33
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):



LED V10 Gen7
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED V13 Gen7
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED V13 Gen7
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED	CLL04x/CLU04x
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE → LED

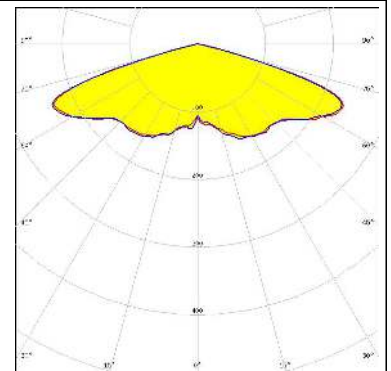
LED	CXA/B 25xx
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE → LED

LED	CXA/B 30xx
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON CoB 1208
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CoB 1213/1216/1812
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMINUS

LED	CxM-22 (28x28)
FWHM / FWTM	Asymmetric
Efficiency	94 %
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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