STELLA-VSM

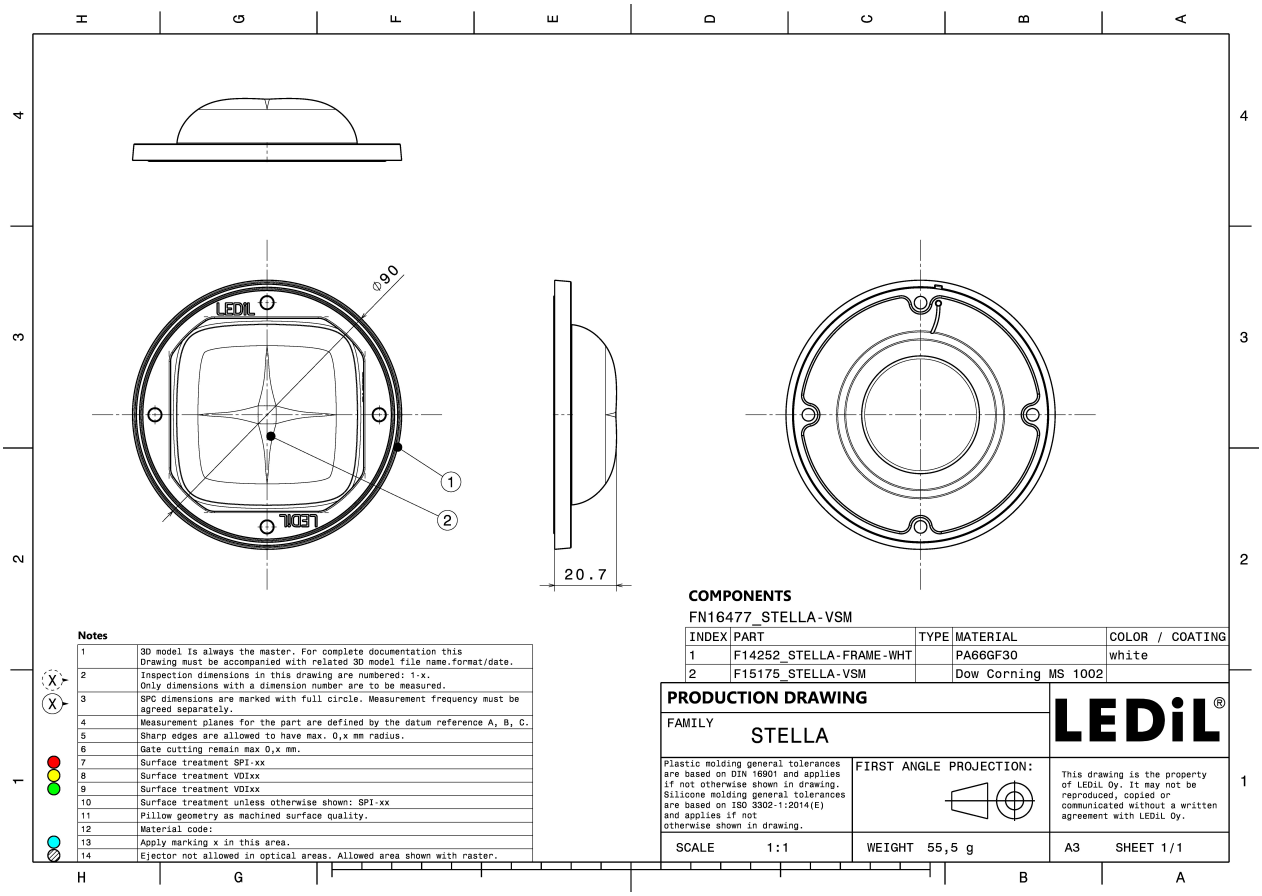
IESNA Type V (square) beam for wide areas such as car parks. White version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90 mm
Height	20.7 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	9.2 kg
Quantity in Box	135 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STELLA-VSM	Lens	Silicone	clear
STELLA-FRAME-WHT	Holder	PA66	white



Notes

1	3D model Is always the master. For complete documentation this Drawing must be accompanied with related 3D model file name.format/date.
2	Inspection dimensions in this drawing are numbered: 1-x. Only dimensions with a dimension number are to be measured.
3	SPC dimensions are marked with full circle. Measurement frequency must be agreed separately.
4	Measurement planes for the part are defined by the datum reference A, B, C.
5	Sharp edges are allowed to have max. 0,x mm radius.
6	Gate cutting remain max 0,x mm.
7	Surface treatment SPI-xx
8	Surface treatment VDIxx
9	Surface treatment VDIxx
10	Surface treatment unless otherwise shown: SPI-xx
11	Pillow geometry as machined surface quality.
12	Material code:
13	Apply marking x in this area.
14	Ejector not allowed in optical areas. Allowed area shown with raster.

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

LEDiL®

Plastic molding general tolerances are based on DIN 16901 and applies if not otherwise shown in drawing. Silicone molding general tolerances are based on ISO 3302-1:2014(E) and applies if not otherwise shown in drawing.

FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT 55,5 g | A3 SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V18 Gen7
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.360 cd/lm

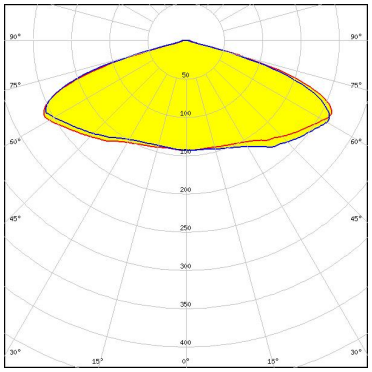
Required components:

bridgelux

LED	V22 Gen7
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.310 cd/lm

Required components:

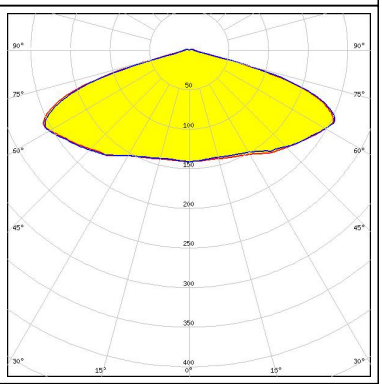
Bender Wirth: 431 Typ Z1



bridgelux

LED	V22 Gen7
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.310 cd/lm

Required components:



bridgelux

LED	Vero SE 13
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.620 cd/lm

Required components:

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vero SE 18
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.370 cd/lm

Required components:

bridgelux

LED	Vero SE 29
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.260 cd/lm

Required components:

bridgelux

LED	VERO18
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.400 cd/lm

Required components:

CITIZEN

LED	CLL05x/CLU05x
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.260 cd/lm

Required components:

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1208
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.540 cd/lm

Required components:

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.500 cd/lm

Required components:

SEOUL SEMICONDUCTOR

LED	MJT COB LES 22
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.310 cd/lm

Required components:

SEOUL SEMICONDUCTOR

LED	MJT COB LES 33
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.230 cd/lm

Required components:

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V10 Gen7
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.510 cd/lm

Required components:

bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	97 %
Peak intensity	0.380 cd/lm

Required components:

bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	98 %
Peak intensity	0.400 cd/lm

Required components:

CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.320 cd/lm

Required components:

PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.330 cd/lm
Required components:	

CREE

LED	CXA/B 25xx
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.350 cd/lm
Required components:	

CREE

LED	CXA/B 30xx
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.300 cd/lm
Required components:	

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.270 cd/lm
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED	CXM-22
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.300 cd/lm

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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