



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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STELLA-VSM

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

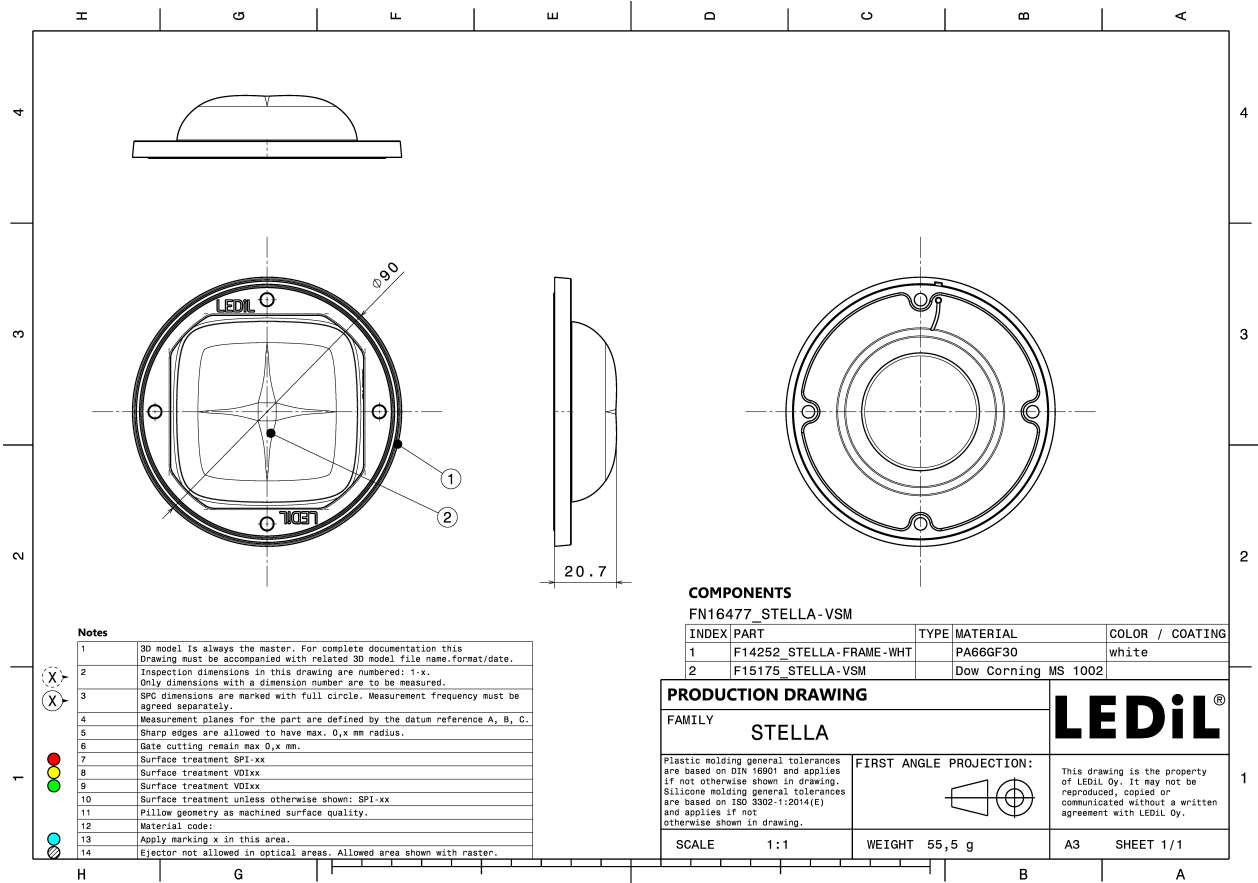
TECHNICAL SPECIFICATIONS:

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. 0,1 mm radius.
6	Gate cutting remain max 0,1 mm.
7	Surface treatment SPI-xx
8	Surface treatment VD1xx
9	Surface treatment VD1xx
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 holding general tolerances are based on ISO 3302-1:2014(E) and applies if not otherwise shown in drawing.

FIRST ANGLE PROJECTION:



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SCALE 1:1

WEIGHT 55,5 g

A3 SHEET 1/1

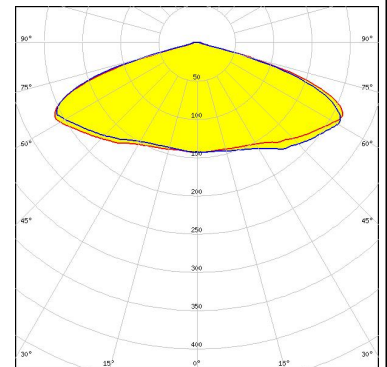
PHOTOMETRIC DATA (MEASURED):

bridgelux.

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

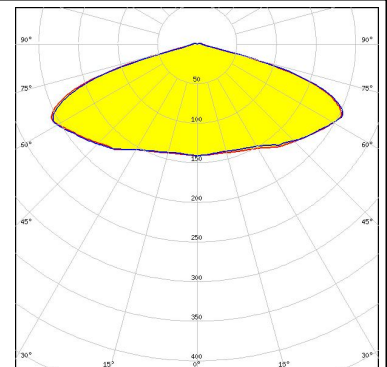
bridgelux.

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:

SEOL SEOUL SEMICONDUCTOR

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

SEOL SEOUL SEMICONDUCTOR

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

SEOL 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):



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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