

**Ordering number C11773_VENLA-S**

Family	Venla	FWHM	13 degrees
Type	Reflector	Efficiency	(simulated) 0 %
LED	LUXEON S	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	45 mm		
Height	25 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket		
Status	Ready		

TYCO - SOCKET

**Ordering number CP12090_VENLA-S-IRIS**

Family	Venla	FWHM	18 degrees
Type	Assembly	Efficiency	93 %
LED	LUXEON S	cd/Im	7.060
Color	White	Gerber File	Available
Diameter	45 mm		
Height	27.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Socket		
Status	Ready		

2154235-2: Solderless LED socket, type LS with latch

**Ordering number C11775_VENLA-M**

Family	Venla	FWHM	28 degrees
Type	Reflector	Efficiency	90 %
LED	LUXEON S	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	45 mm		
Height	25 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket		
Status	Ready		

TYCO-SOCKET

**Ordering number C11776_VENLA-W**

Family	Venla	FWHM	45 degrees
Type	Reflector	Efficiency	(simulated) 0 %
LED	LUXEON S	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	45 mm		
Height	25 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket		
Status	Ready		

TYCO - SOCKET



Ordering number C11777_VENLA-WW

Family	Venla	FWHM	56 degrees
Type	Reflector	Efficiency	87 %
LED	LUXEON S	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	45 mm		
Height	25 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket		
Status	Ready		

2154235-1: Solderless LED socket, type LS without optics latch

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



PRODUCT DATASHEET

Venla series

last update 9/8/2012

PHILIPS
LUMILEDS

GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON S series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

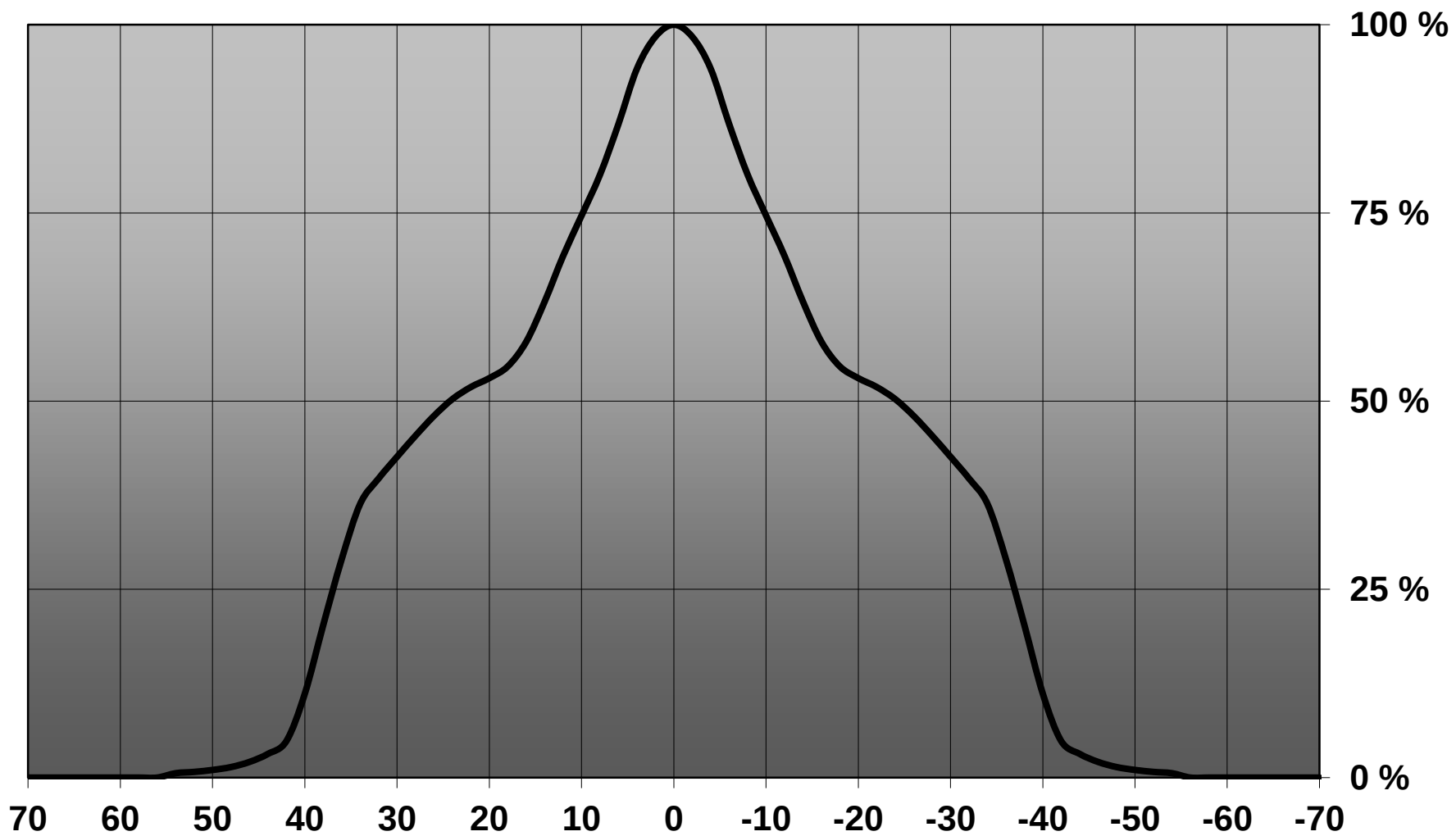
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Relative intensity of C11777_Venla-WW-Vega



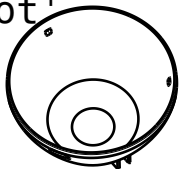
D

C

B

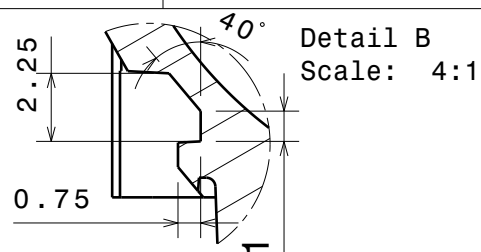
A

'Spot'

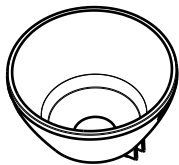


Note

CA12090_Venla-S-Iris
is Spot reflector+ lens
inside. Color WHITE.



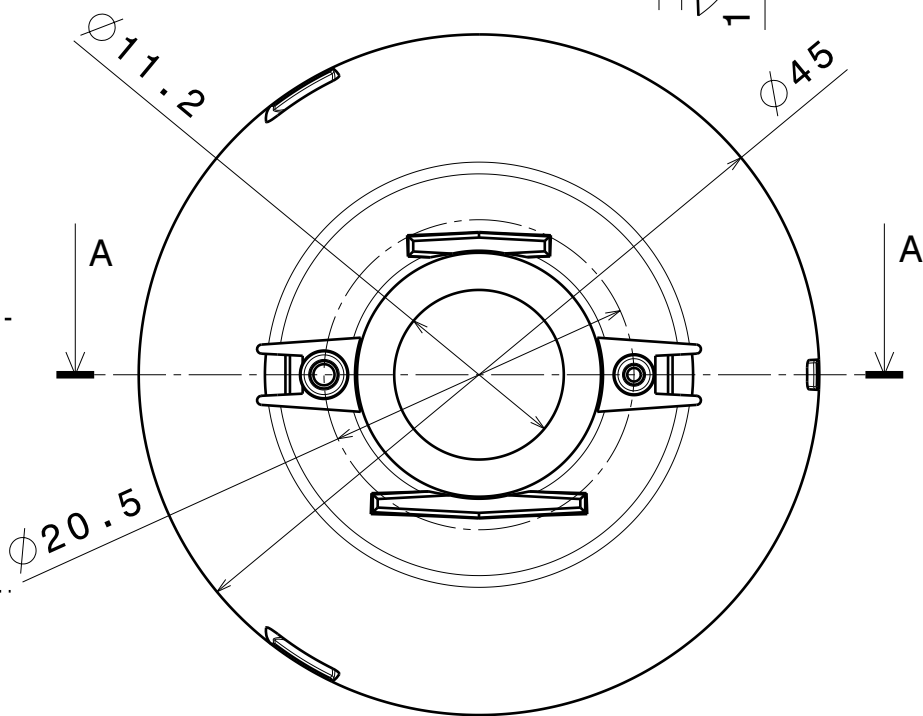
'Medium'



'Wide'



'WiderW'

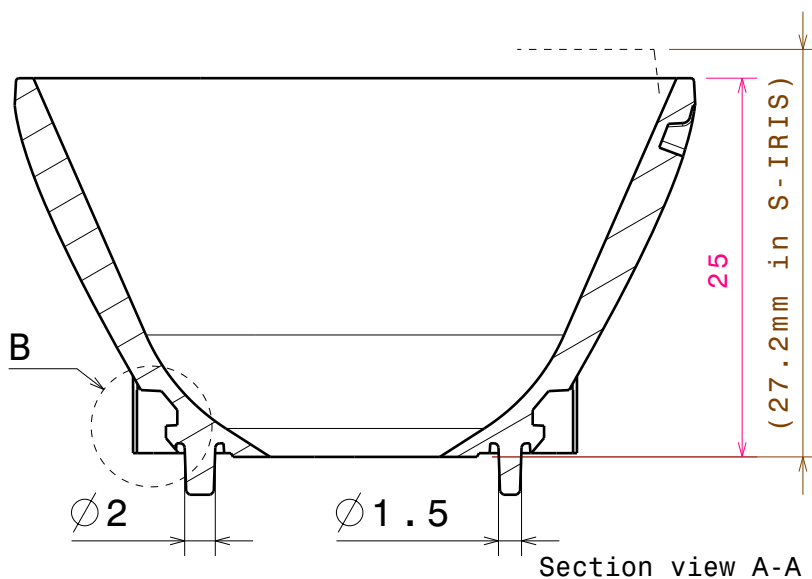


Bottom view

Material:
PC with metal coating
and clear lacquer

Part no's:
C11773_Venla-S-Vega
C11775_Venla-M-Vega
C11776_Venla-W-Vega
C11777_Venla-WW-Vega
CA12090_Venla-S-Iris

Tolerances:
Dimensions less < 20mm $\pm 0.1\text{mm}$
Dimensions between (21-45)mm $\pm 0.2\text{mm}$



Section view A-A

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LEDIL

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FIN-24100 SALO
Finland

DRAWING TITLE

DRAWN BY
pv

DATE

15.04.2011

Datasheet Venla-series-Vega Reflector

CHECKED BY
tk

DATE

27.12.2010

SIZE
A4

DRAWING NUMBER

-

REV
2DESIGNED BY
hh/ol/pl

DATE

06.10.2010

SCALE

2:1

WEIGHT (g)

SHEET

1/1

D

A