STELLA-G2-T4

IESNA Type IV light distribution for wider roads and large outdoor areas. Compatible with up to 30 mm LES size COBs. Variant with black frame.

SPECIFICATION:

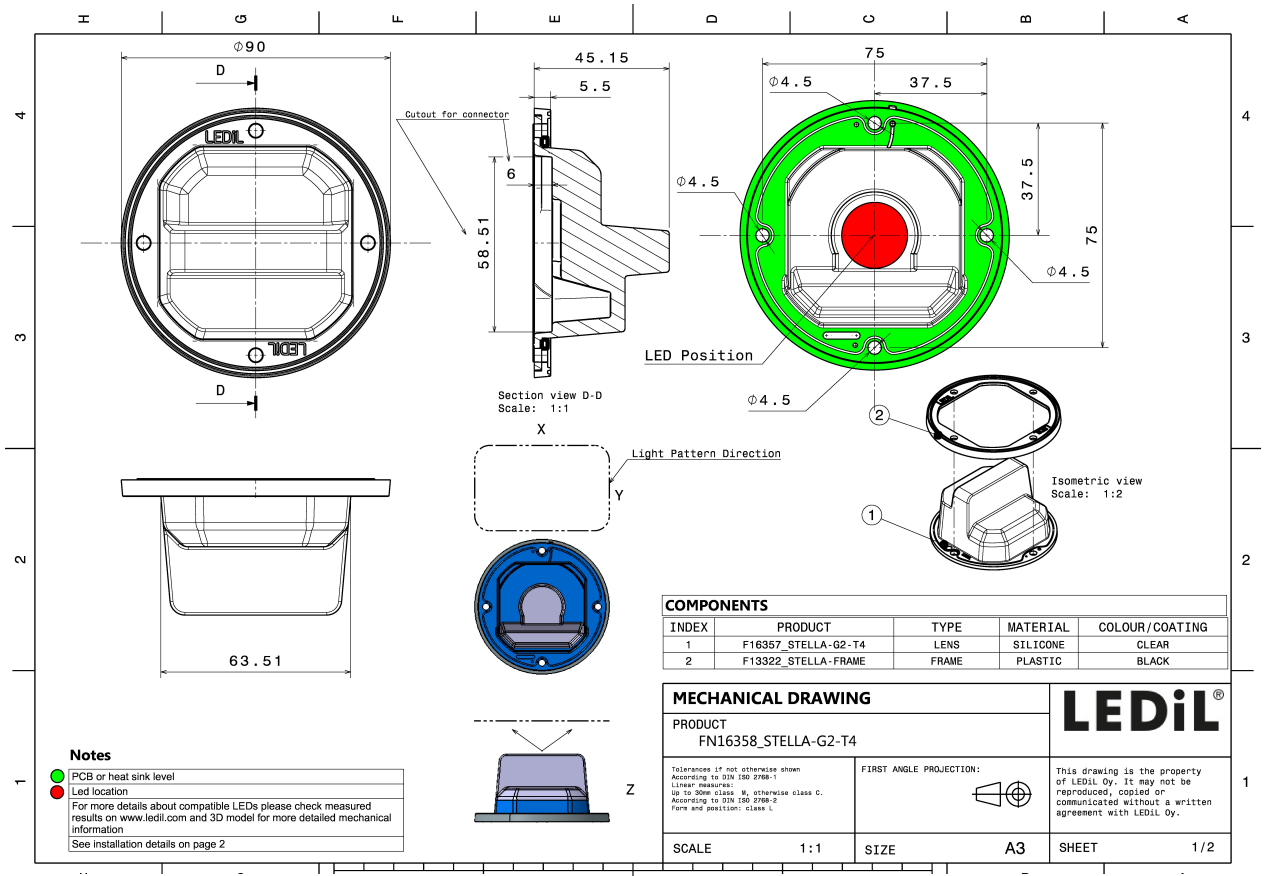
Dimensions	Ø 90.0 mm
Height	45.2 mm
Fastening	socket
Ingress protection classes	IP67
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
STELLA-G2-T4	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16358_STELLA-G2-T4 » Box size: 480 x 280 x 300 mm	Single lens	90	90	15	7.4



COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
1	F16357_STELLA-G2-T4	LENS	SILICONE	CLEAR
2	F13322_STELLA-FRAME	FRAME	PLASTIC	BLACK

Notes

PCB or heat sink level
Led location
For more details about compatible LEDs please check measured results on www.ledil.com and 3D model for more detailed mechanical information
See installation details on page 2

MECHANICAL DRAWING

PRODUCT
FN16358_STELLA-G2-T4

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:

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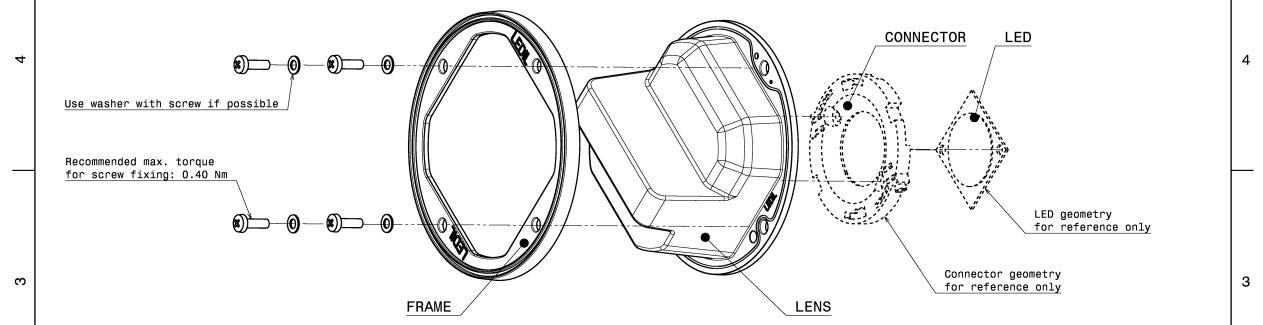
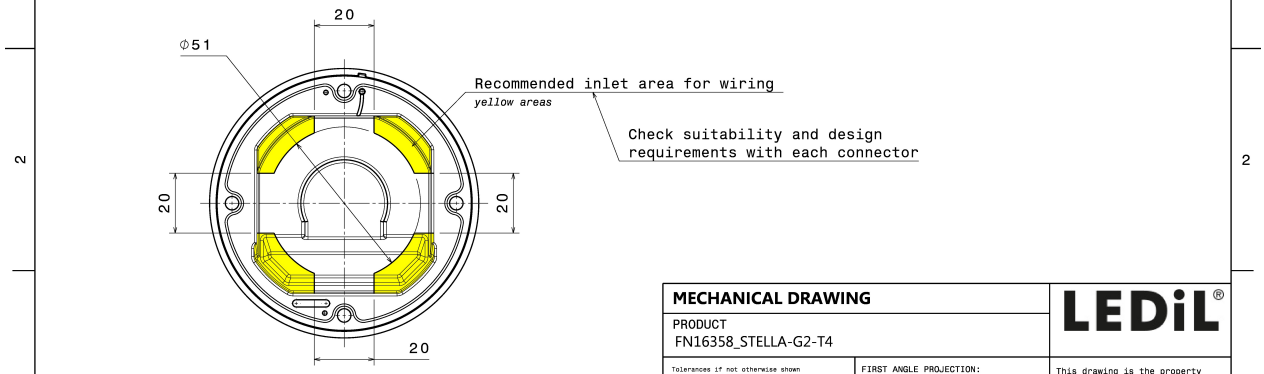
SCALE 1:1 | SIZE A3 | SHEET 1/2





Notes

For more details about installation please check LEDiL Installation Guide on www.ledil.com

MECHANICAL DRAWING

PRODUCT
FN16358_STELLA-G2-T4

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:

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SCALE 1:1 | SIZE A3 | SHEET 2/2

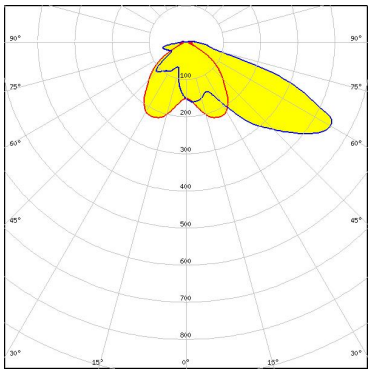
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

LED	V18 Gen 8
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

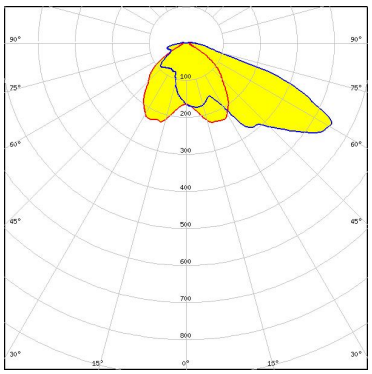
Required components:



bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

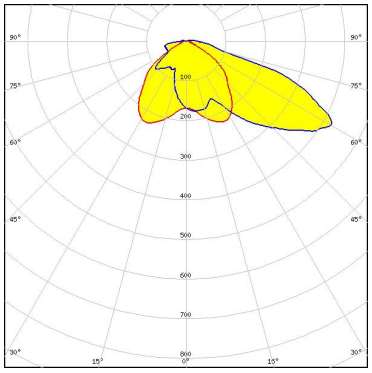


bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 431 Typ Z1

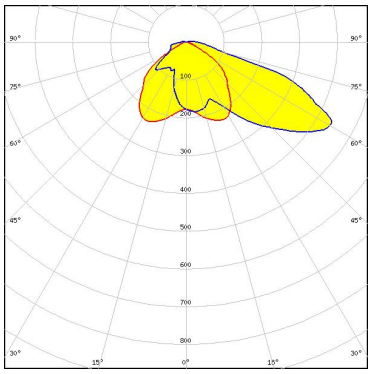


bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

TE Connectivity: 2213480-1

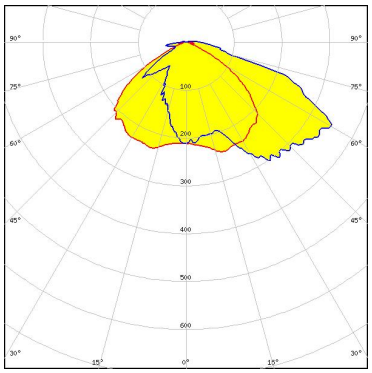


OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

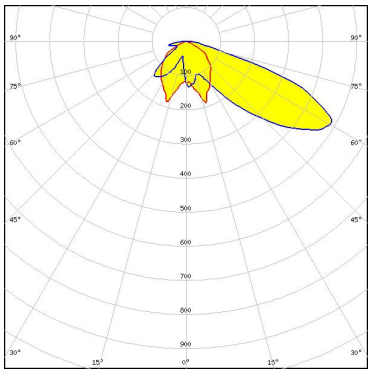
Required components:



OPTICAL RESULTS (SIMULATED):

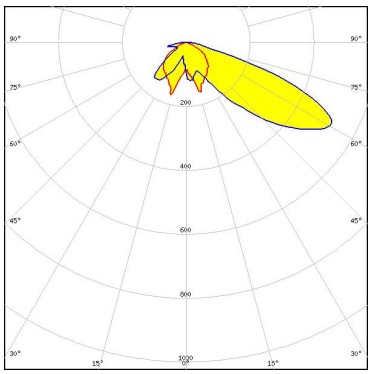
bridgelux

LED	V13 Gen7
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 477 Typ Z1	



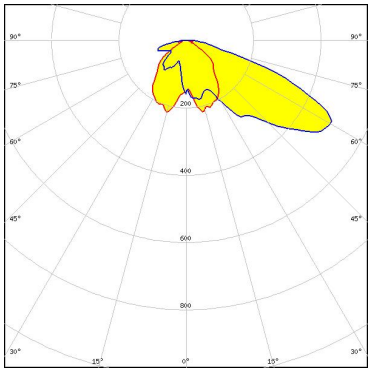
bridgelux

LED	VERO13
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



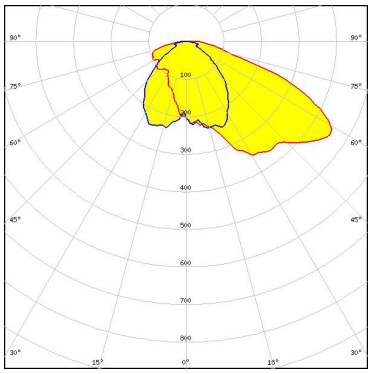
bridgelux

LED	VERO18
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

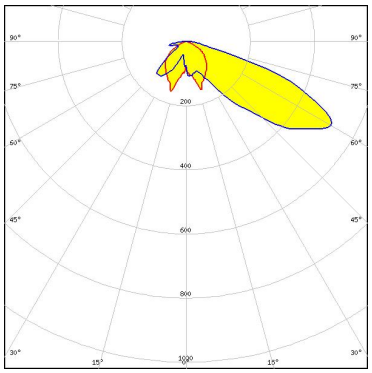
LED	VERO29
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

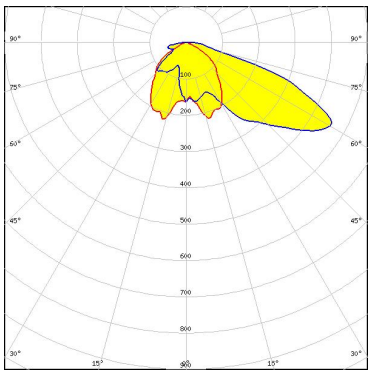
bridgelux

LED	Vesta TW 13mm (18W) DP
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	



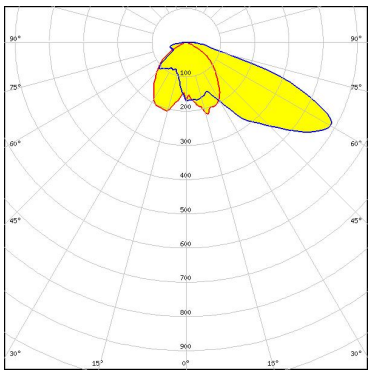
bridgelux

LED	Vesta TW 18mm (31W) DP
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	



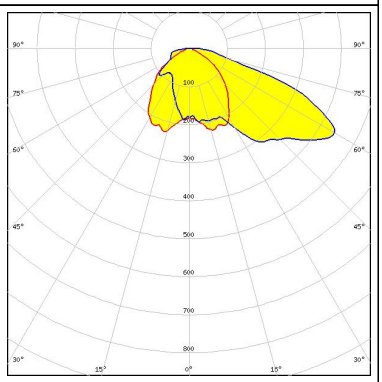
bridgelux

LED	Vesta TW 22mm DP
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	



bridgelux

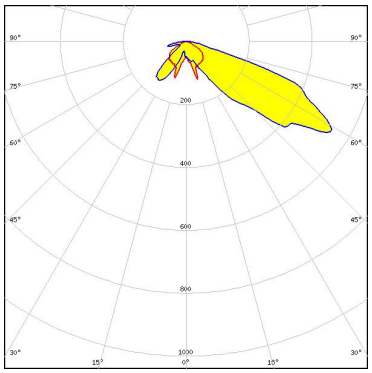
LED	Vesta TW 29mm DP
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	



OPTICAL RESULTS (SIMULATED):

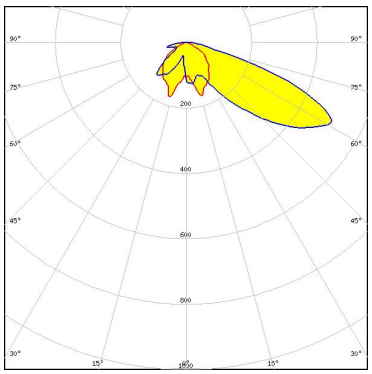
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



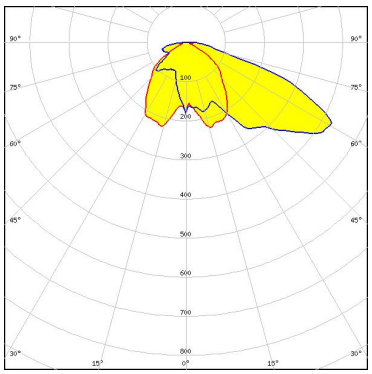
CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



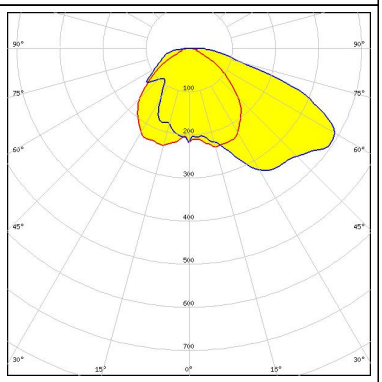
CITIZEN

LED	CLL04x/CLU04x
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CITIZEN

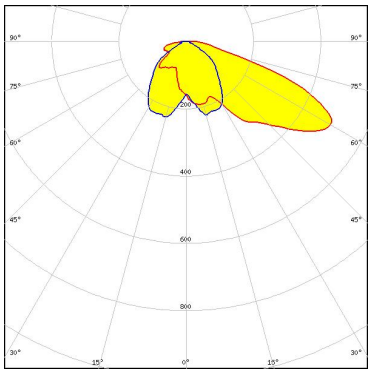
LED	CLL05x/CLU05x
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

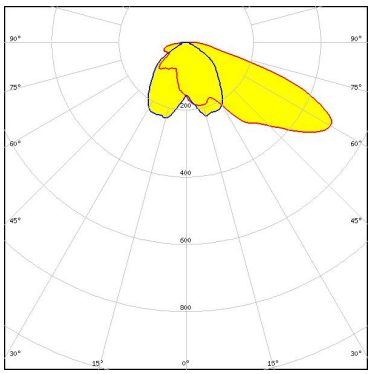
CREE LEDs

LED	CMT19xx
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



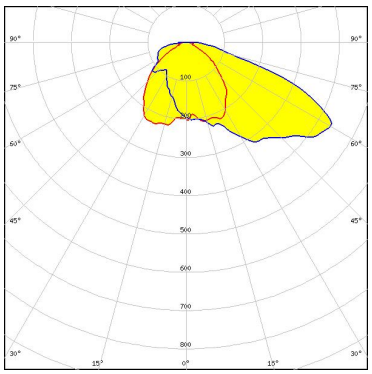
CREE LEDs

LED	CMT28xx
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



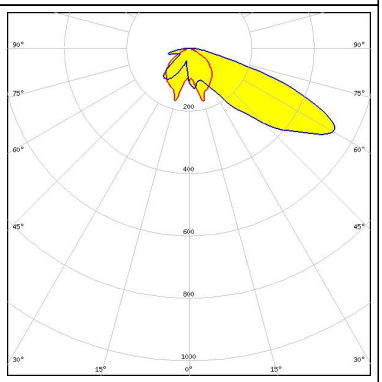
CREE LEDs

LED	CXA/B 3590
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

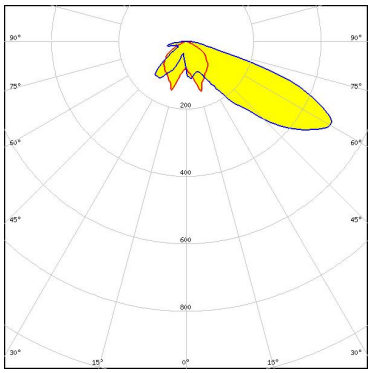
LED	LUXEON CoB 1204/1205
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

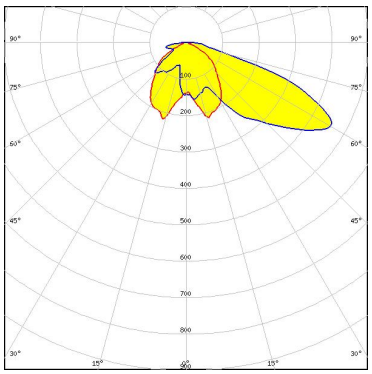
PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



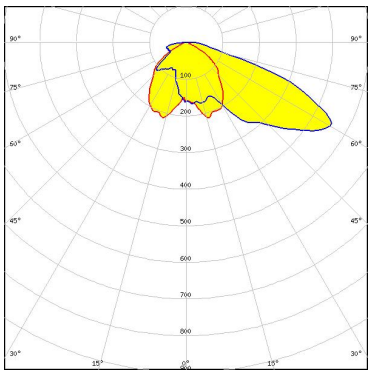
PHILIPS

LED	Fortimo SLM L19 CoB
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



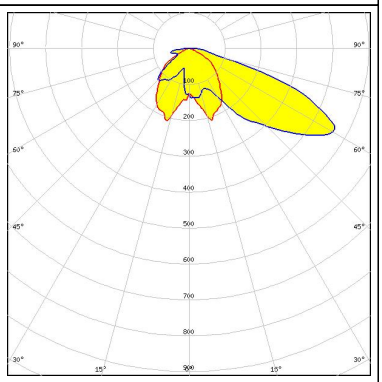
PHILIPS

LED	Fortimo SLM L23 CoB
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

LED	SLE G7 LES17
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 466 Typ Z1	



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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