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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

STELLA-A

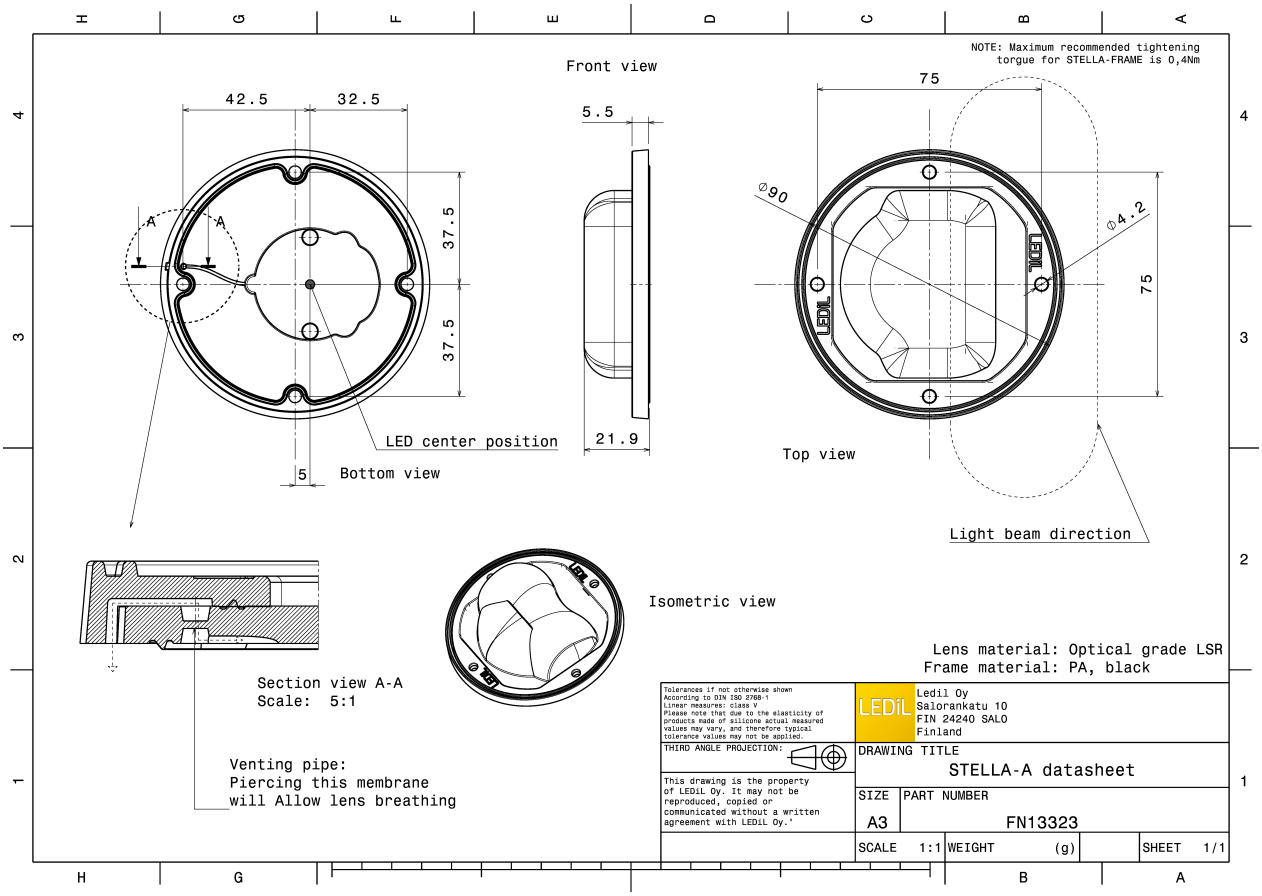
Type II and III beam for street lighting. Compatible with up to 30 mm LES size COBs.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	22 mm
Fastening	screw
Colour	black
Box size	
Box weight	6.6 kg
Quantity in Box	100 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

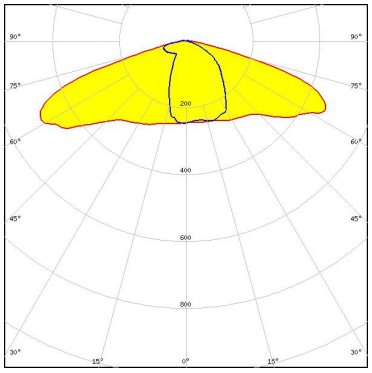
Component	Type	Material	Colour
STELLA-A	Lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black


NOTE: Maximum recommended tightening torgue for STELLA-FRAME is 0,4Nm
Front view
42.5
32.5
5.5
75
37.5
37.5
LED center position
21.9
5
Bottom view
Top view
Light beam direction
Section view A-A
Scale: 5:1
Isometric view
Venting pipe:
Piercing this membrane
will Allow lens breathing
Lens material: Optical grade LSR
Frame material: PA, black
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland
DRAWING TITLE
STELLA-A datasheet
SIZE
A3
PART NUMBER
FN13323
SCALE 1:1
WEIGHT (g)
SHEET 1/1
THIRD ANGLE PROJECTION:

PHOTOMETRIC DATA (MEASURED):

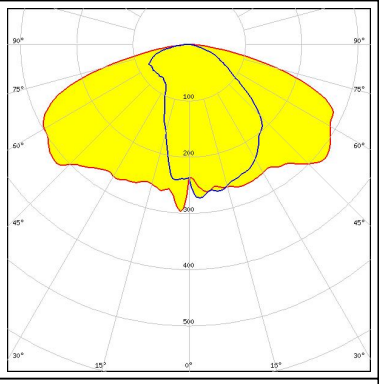
bridgelux

LED	V15 Gen6
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.550 cd/lm
Required components:	



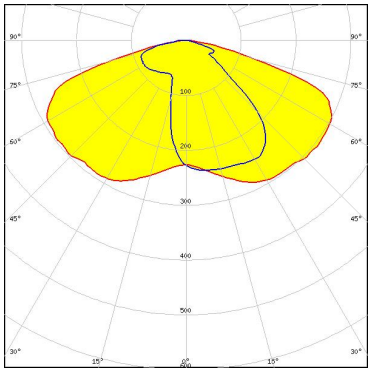
bridgelux

LED	V18 Gen7
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.400 cd/lm
Required components:	



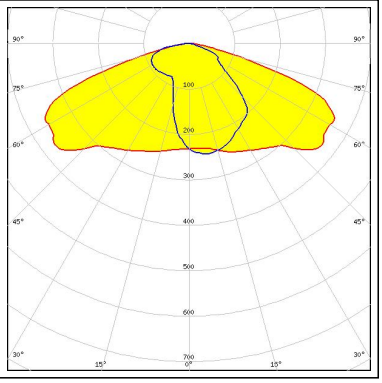
bridgelux

LED	VERO13
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.660 cd/lm
Required components:	



bridgelux

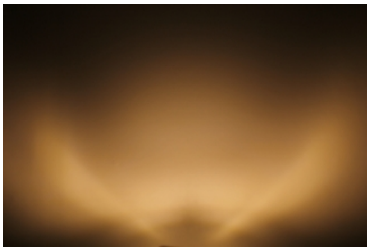
LED	VERO18
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.500 cd/lm
Required components:	

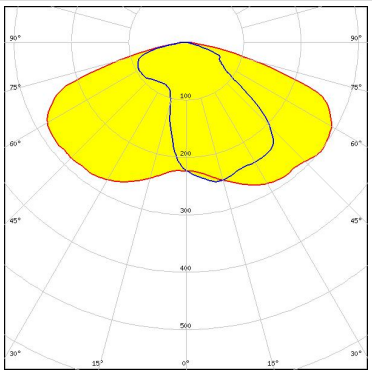


PHOTOMETRIC DATA (MEASURED):

CITIZEN

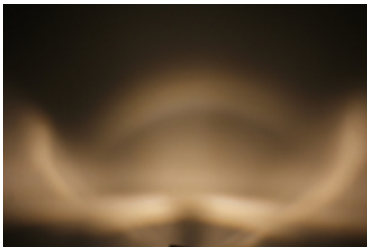
LED	CLL03x/CLU03x
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.616 cd/lm
Required components:	
Bender Wirth: 433 Typ L1	

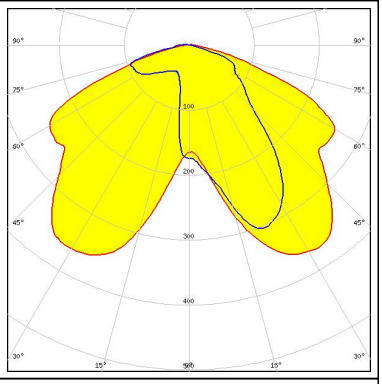




CITIZEN

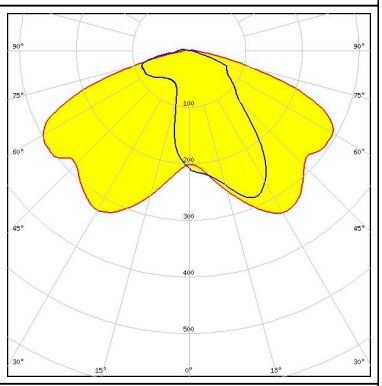
LED	CLU700/701
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	1.400 cd/lm
Required components:	
Bender Wirth: 434 Typ L1	





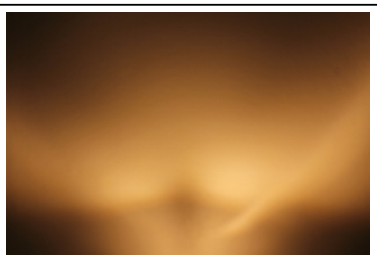
CITIZEN

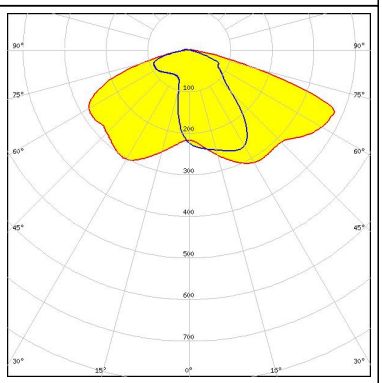
LED	CLU710/711
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.960 cd/lm
Required components:	



CITIZEN

LED	CLU720/721
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.760 cd/lm
Required components:	
Bender Wirth: 433 Typ L1	

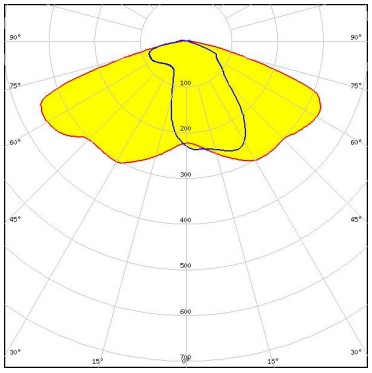




PHOTOMETRIC DATA (MEASURED):

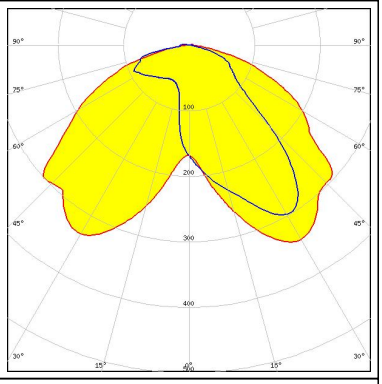
CITIZEN

LED	CLU720/721
FWHM	Asymmetric
Efficiency	%
Peak intensity	0.730 cd/lm
Required components:	



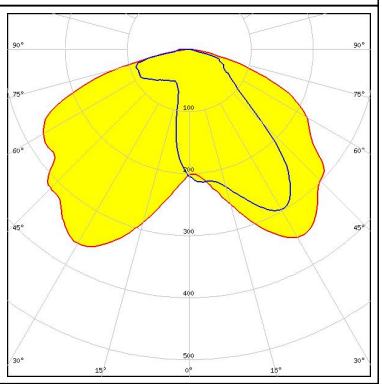
CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	1.000 cd/lm
Required components:	
C14305_STELLA-CLAMP-CXA15-18	



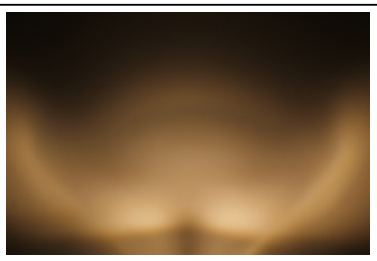
CREE

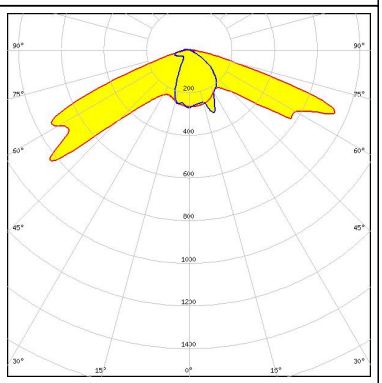
LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	1.100 cd/lm
Required components:	



CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.850 cd/lm
Required components:	
Bender Wirth: 441 Typ L1	





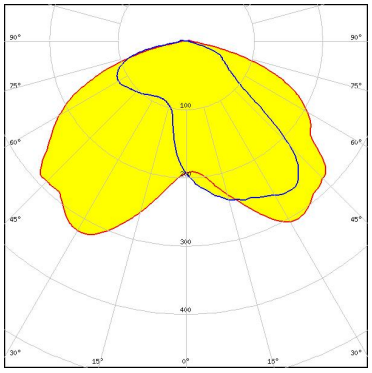
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.740 cd/lm

Required components:

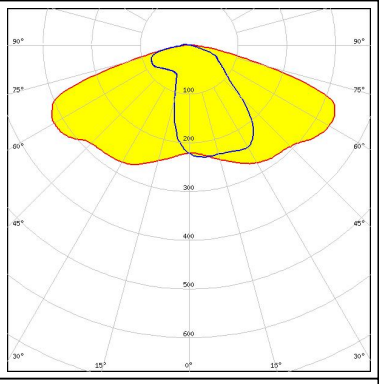
C14305_STELLA-CLAMP-CXA15-18



CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.620 cd/lm

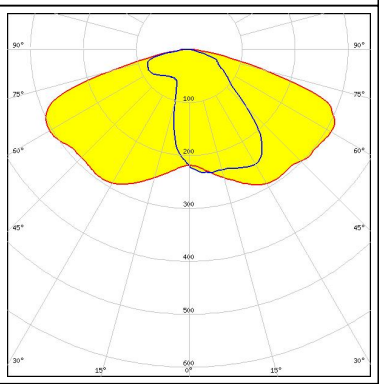
Required components:



CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.670 cd/lm

Required components:

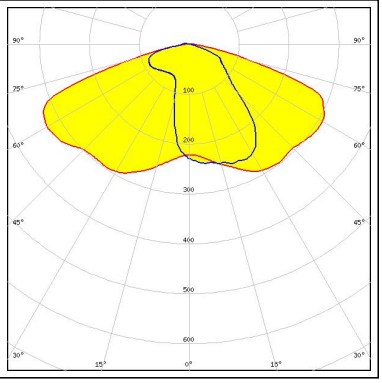


CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.670 cd/lm

Required components:

Bender Wirth: 437 Typ L1

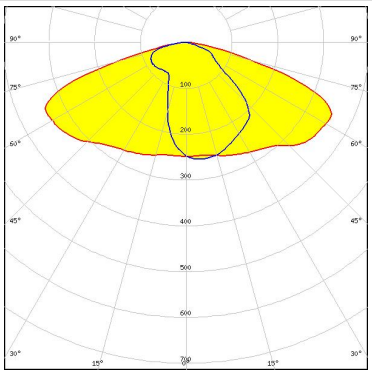


PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 25xx
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.490 cd/lm

Required components:

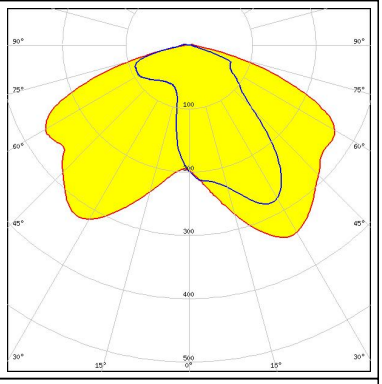


LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.910 cd/lm

Required components:

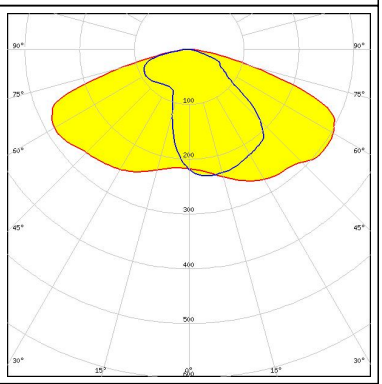
Bender Wirth: 438 Typ L1



LUMILEDS

LED	LUXEON CoB 1208
FWHM	Asymmetric
Efficiency	%
Peak intensity	0.300 cd/lm

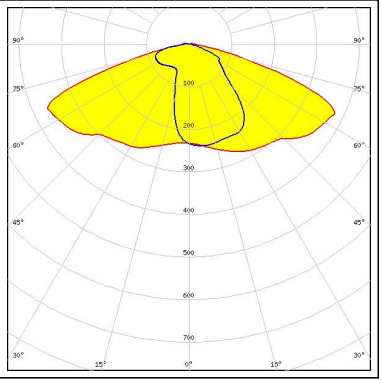
Required components:



LUMINUS

LED	CXM-14
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.580 cd/lm

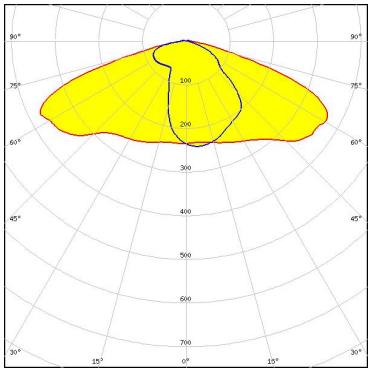
Required components:



PHOTOMETRIC DATA (MEASURED):

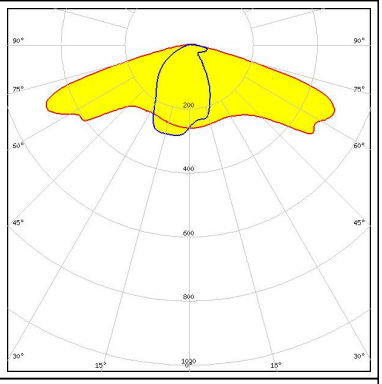
LUMINUS

LED	CXM-18
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.460 cd/lm
Required components:	



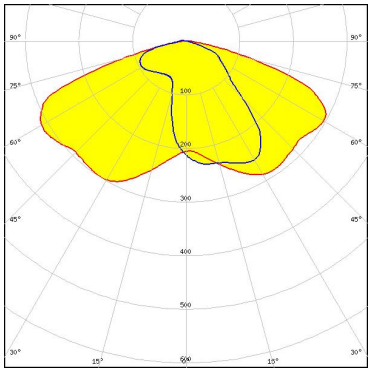
NICHIA

LED	COB J-Type
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.500 cd/lm
Required components:	



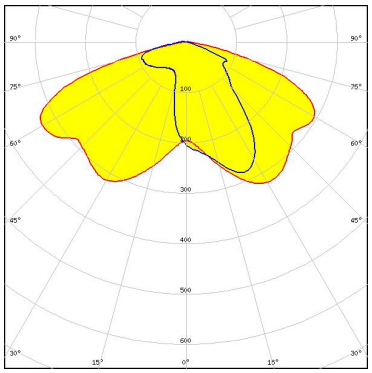
NICHIA

LED	COB L-Type (LES 11)
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.720 cd/lm
Required components:	
Bender Wirth: 438 Typ L1	



NICHIA

LED	COB L-Type (LES 9)
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.930 cd/lm
Required components:	
Bender Wirth: 438 Typ L1	

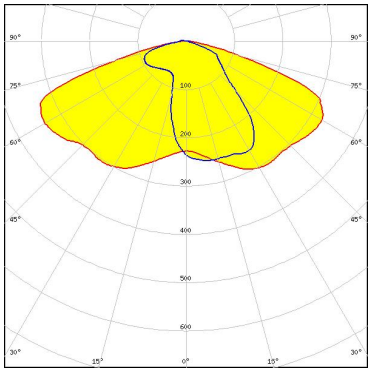


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.690 cd/lm

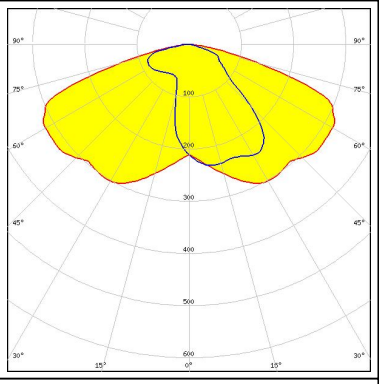
Required components:
Bender Wirth: 437 Typ L1



OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.700 cd/lm

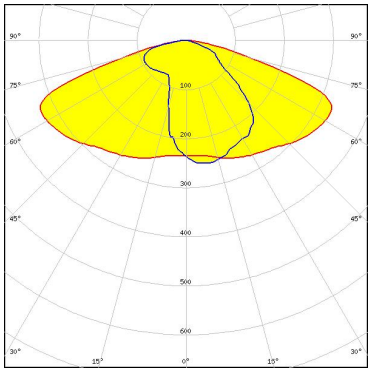
Required components:



OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.500 cd/lm

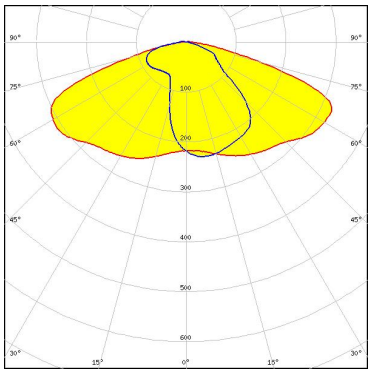
Required components:



SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.510 cd/lm

Required components:

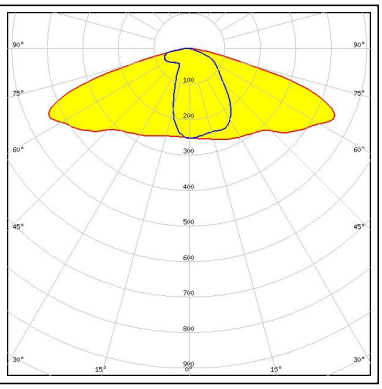


PHOTOMETRIC DATA (MEASURED):

SHARP

LED	Mega Zenigata (GW6DME)
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.570 cd/lm

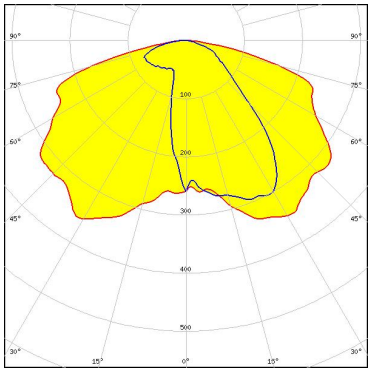
Required components:



PHOTOMETRIC DATA (SIMULATED):

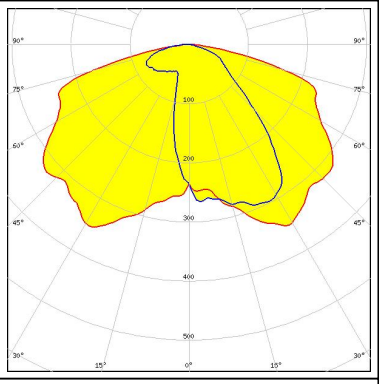
bridgelux

LED	V10 Gen7
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.560 cd/lm
Required components:	
Bender Wirth: 434 Typ L1	



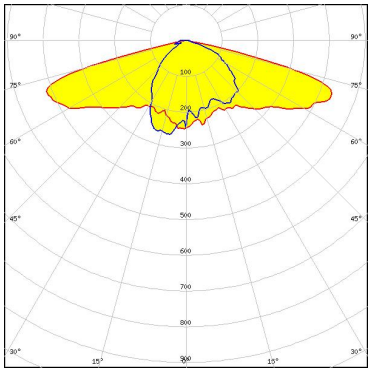
bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.550 cd/lm
Required components:	
Bender Wirth: 477 Typ L1	



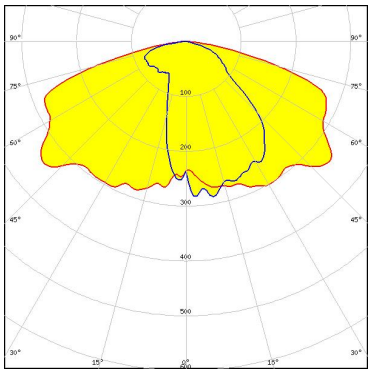
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.730 cd/lm
Required components:	



CITIZEN

LED	CLL03x/CLU03x
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.490 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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