STELLA-VSM

IESNA Type V (square) for wide areas lighting such as car parks. Compatible with up to 30 mm LES size COBs. Variant with black frame.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	20.7 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes

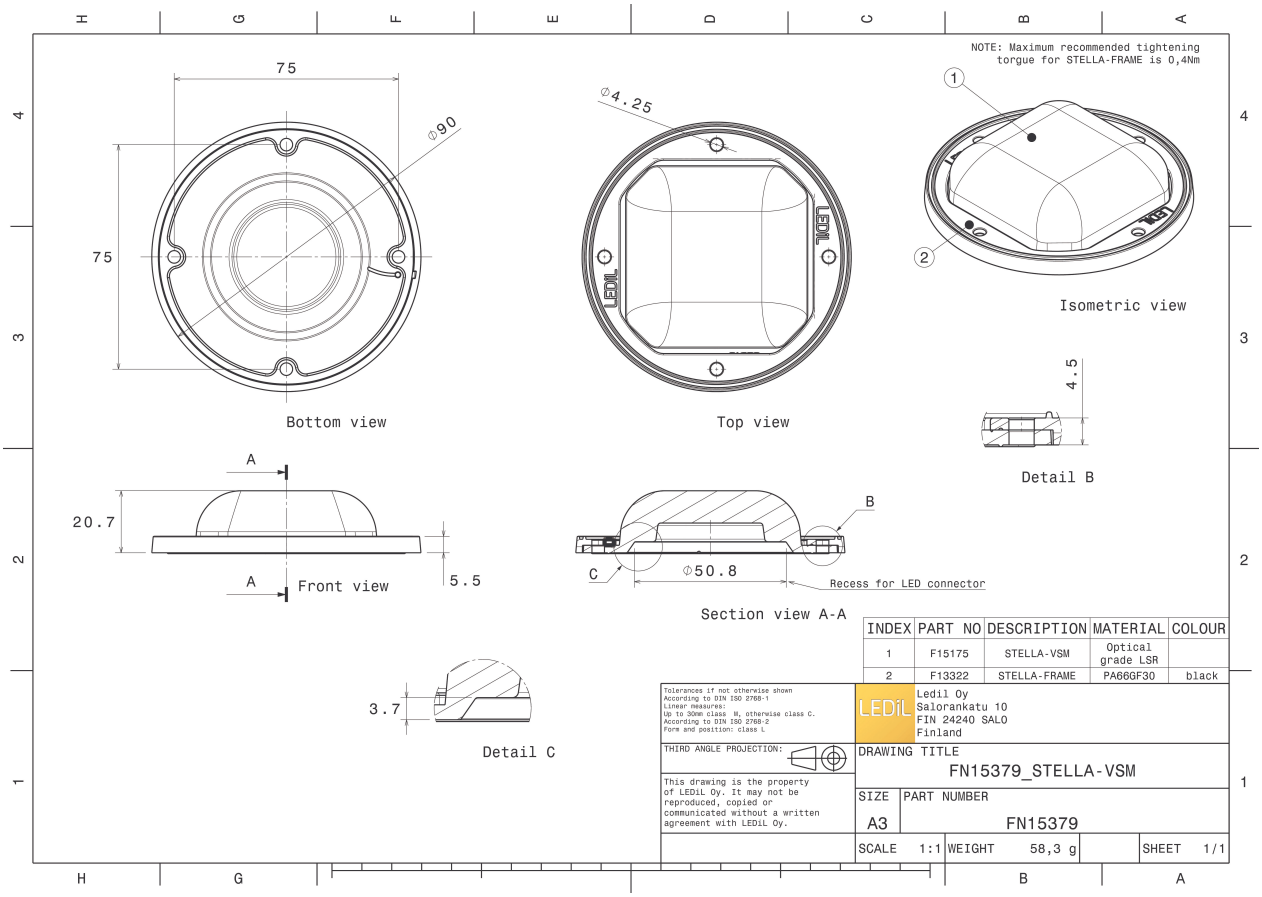
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15379_STELLA-VSM » Box size: 480 x 280 x 300 mm	Single lens	135	135	15	9.2

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F15175	STELLA-VSM	Optical grade LSR	
2	F13322	STELLA-FRAME	PA66GF30	black

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

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FN15379_STELLA-VSM

SIZE A3 | PART NUMBER FN15379

SCALE 1:1 | WEIGHT 58,3 g | SHEET 1/1

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

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PHOTOMETRIC DATA (MEASURED):

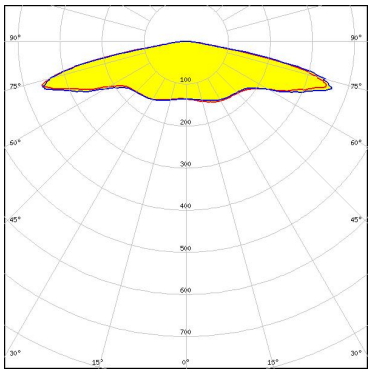
bridgelux

LED	V18 Gen7
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 439 Typ L3

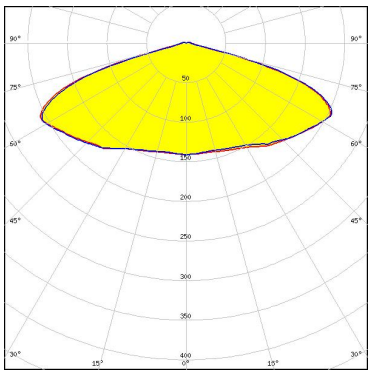




bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

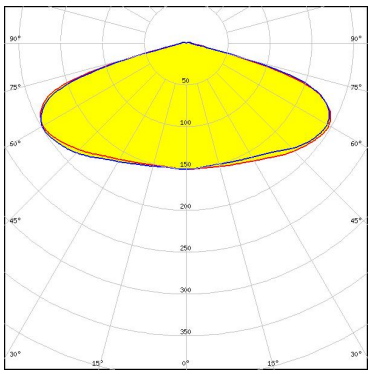


bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

TE Connectivity: 2213480-1

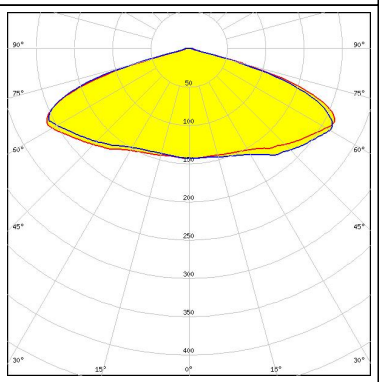


bridgelux

LED	V22 Gen7
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 431 Typ Z1

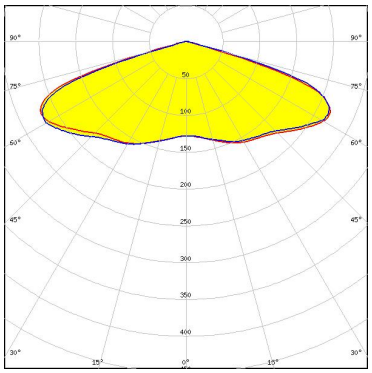


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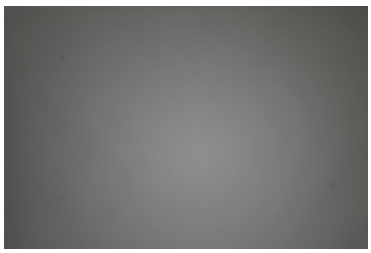
bridgelux

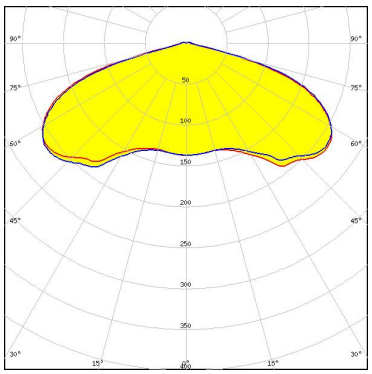
LED	Vero SE 18
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

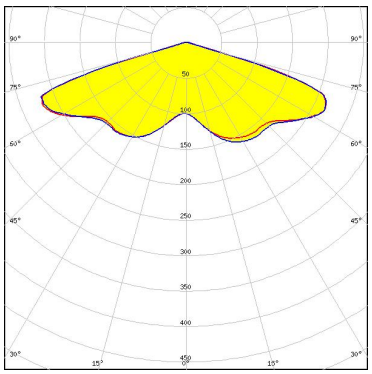
LED	Vero SE 29
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





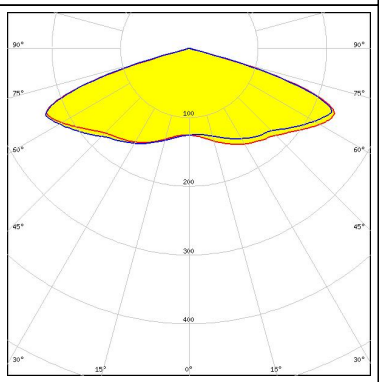
bridgelux

LED	VERO13
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

LED	VERO18
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



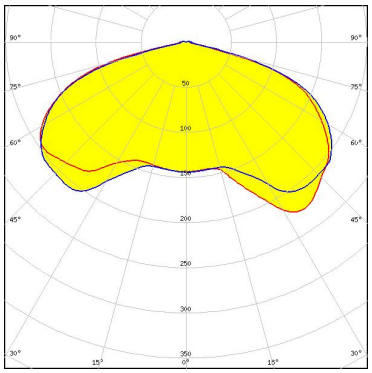
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PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL05x/CLU05x
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

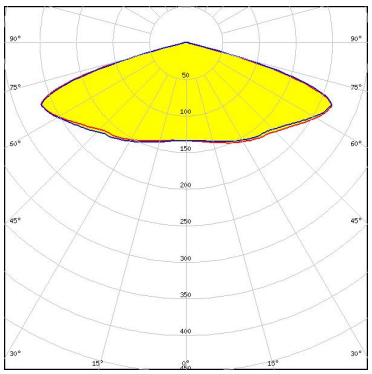
Required components:



CREE LED

LED	CMA2550
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

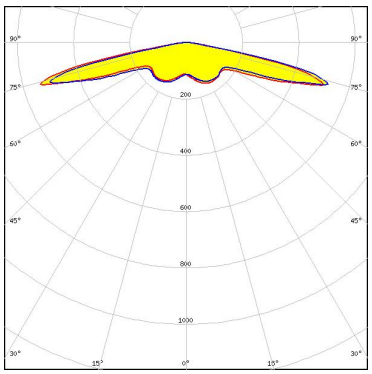


CREE LED

LED	CMT19xx
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

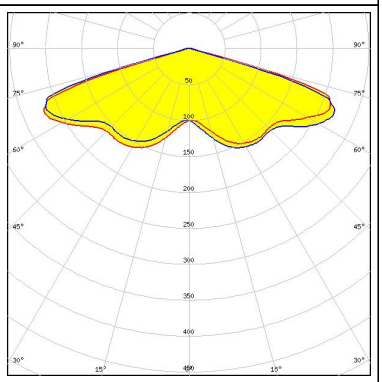
Bender Wirth: 477 Typ Z1



CREE LED

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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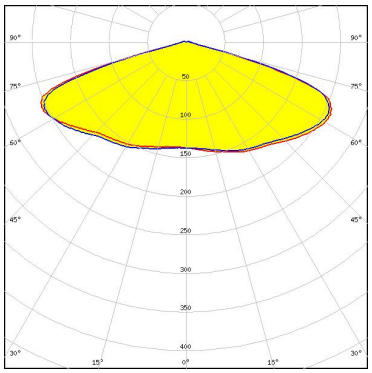
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CXA/B 25xx
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

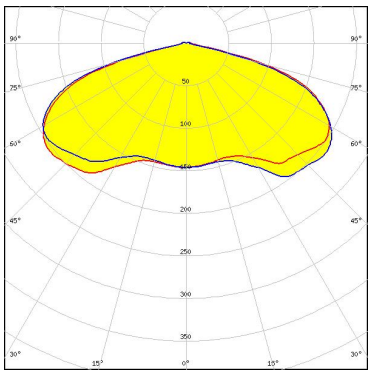
Bender Wirth: 439 Typ L3



CREE LED

LED	CXA/B 3590
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

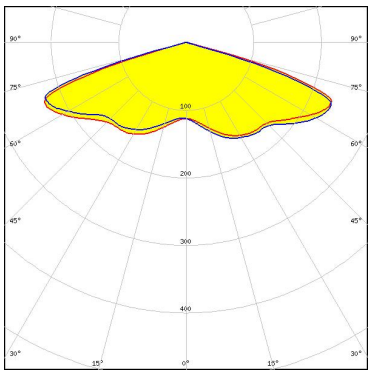
Required components:



LUMILEDS

LED	LUXEON CoB 1208
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

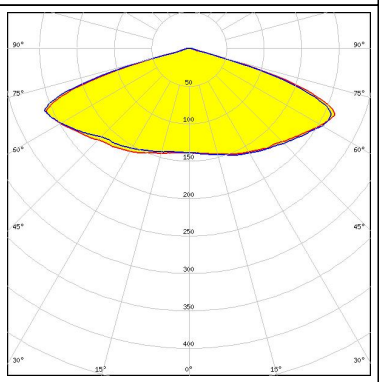


LUMILEDS

LED	LUXEON CoB 1211
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 431 Typ L3

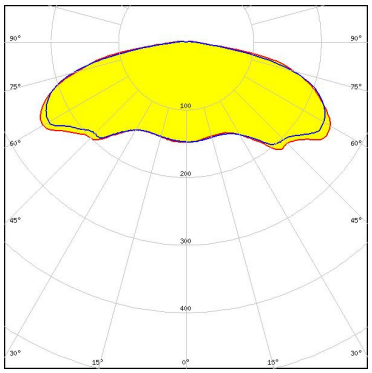


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PHOTOMETRIC DATA (MEASURED):

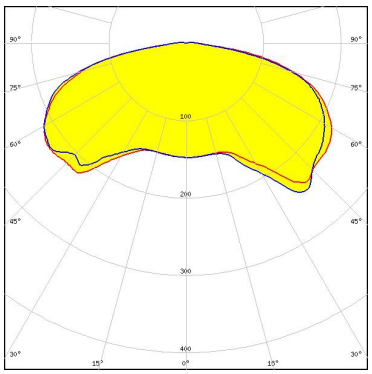
LUMILEDS

LED	LUXEON CoB 1321
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



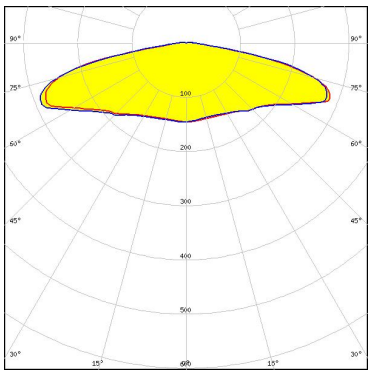
LUMILEDS

LED	LUXEON CoB 1825
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



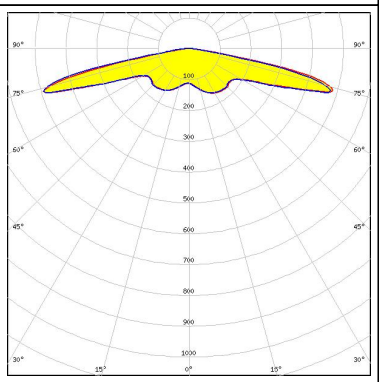
NICHIA

LED	COB H-Type
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	COB J-Type
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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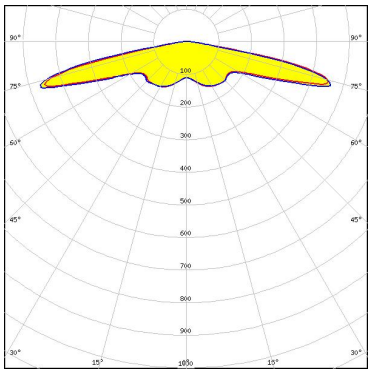
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

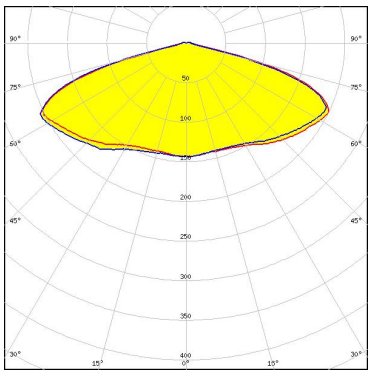




SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

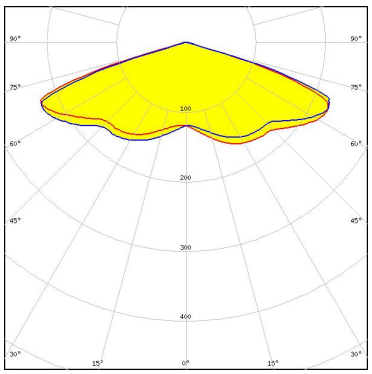


SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 433 Typ Z1

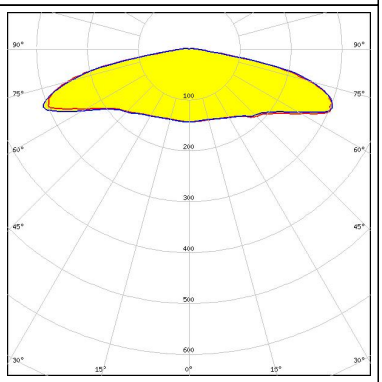


SEOUL SEMICONDUCTOR

LED	MJT COB LES 22
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 431 Typ Z1



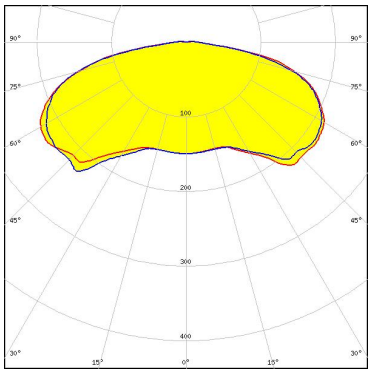
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PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	MJT COB LES 33
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

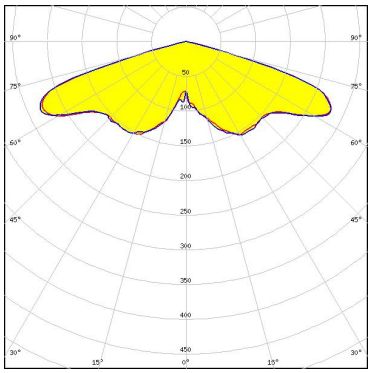


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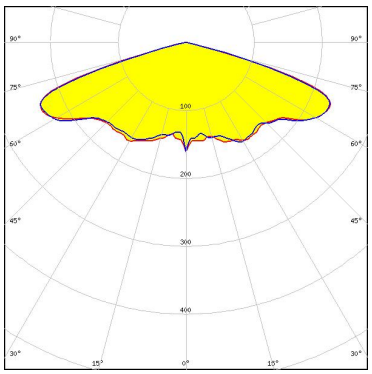
bridgelux

LED	V10 Gen7
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 486 Typ L1	



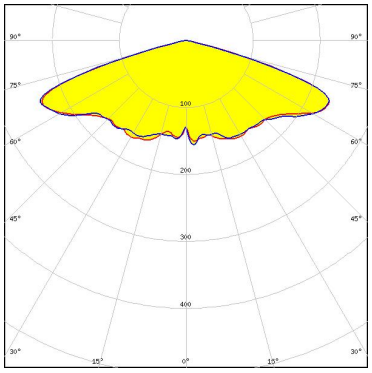
bridgelux

LED	V13 Gen7
FWHM / FWTM	Asymmetric
Efficiency	98 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



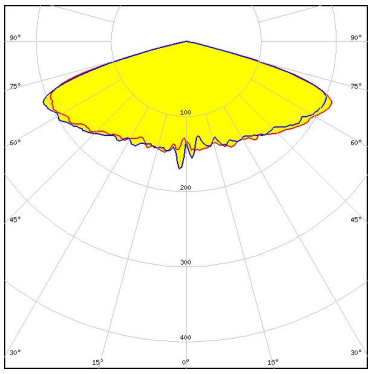
bridgelux

LED	V13 Gen7
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 477 Typ Z1	



CITIZEN

LED	CLL04x/CLU04x
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

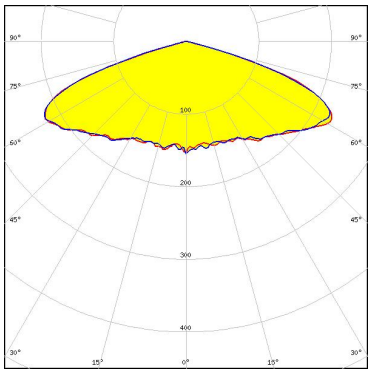


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PHOTOMETRIC DATA (SIMULATED):

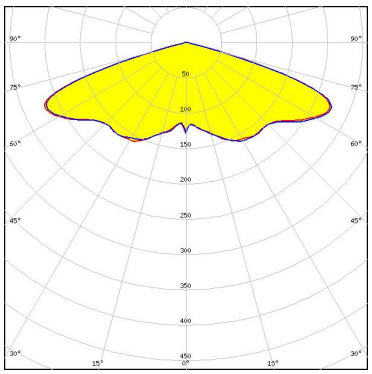
CITIZEN

LED	CLL04x/CLU04x
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	



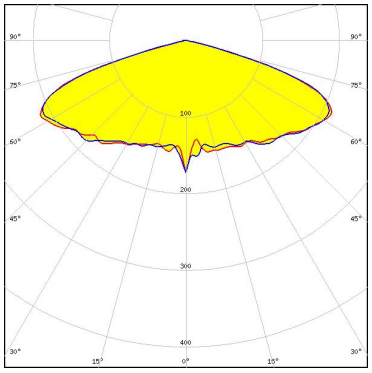
CREE LED

LED	CMU15xx
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



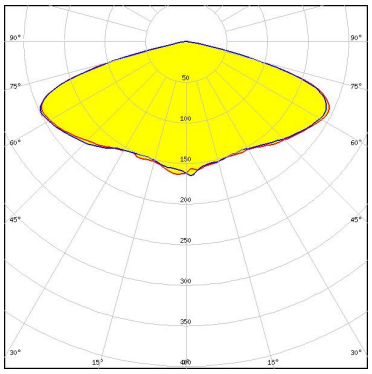
CREE LED

LED	CXA/B 30xx
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 447 Typ Z1	



LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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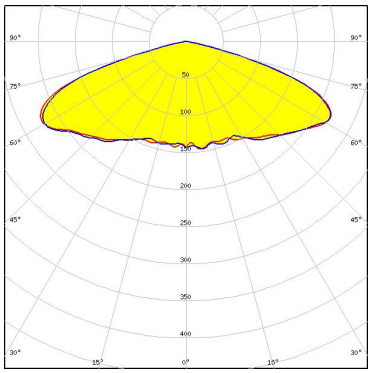
PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED	CxM-22 (28x28)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 431 Typ Z1



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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.

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
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