STRADA-2X2-DNW

Soft wide beam with good illuminance uniformity



TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	11.3 mm
Fastening	glue, pin, screw
ROHS compliant	yes

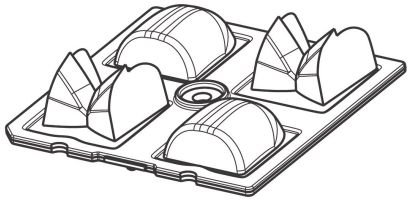
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADA-2X2-DNW	Multi-lens	PMMA	clear	

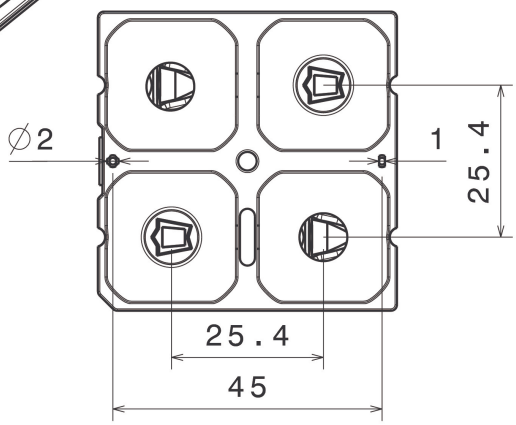
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12360_STRADA-2X2-DNW » Box size: 480 x 280 x 300 mm	800	160	160	8.2

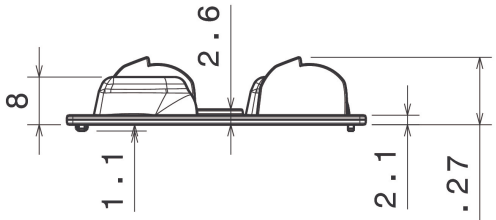
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



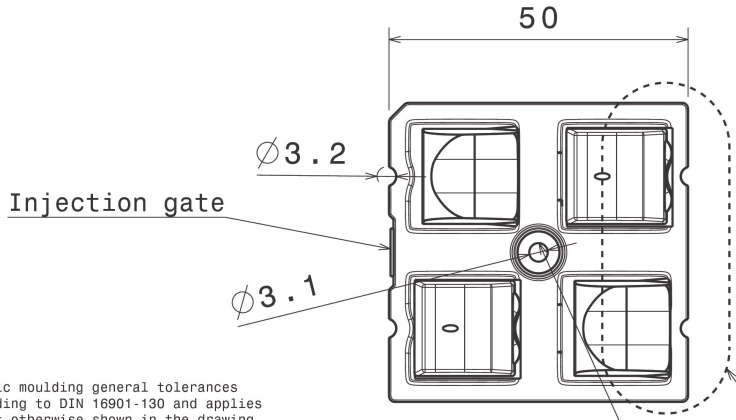
Isometric view



Bottom view



Front view



Top view

Plastic moulding general tolerances
according to DIN 16901-130 and applies
if not otherwise shown in the drawing.
Silicone moulding general tolerances
according to ISO 3302-1 Class M3 and applies
if not otherwise shown in the drawing.

Material: PMMA

This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.

Ledil Oy
Salorankatu 10
FIN-24100 SALO
Finland

DRAWN BY ah/mav	DATE 10.9.2012	DRAWING TITLE Datasheet Strada-2x2-DNW			
CHECKED BY ol	DATE 10.9.2012	SIZE A4	DRAWING NUMBER C12360		REV 4
DESIGNED BY ol	DATE 18.10.2011	SCALE 1:1	WEIGHT(g)		SHEET 1/1

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

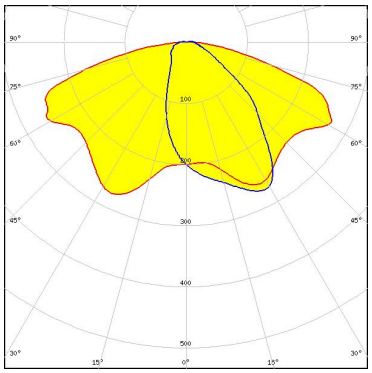
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PHOTOMETRIC DATA (MEASURED):

COMET ELECTRONICS

LED	QUICK FLUX XTP 2x4 xxx LS G5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

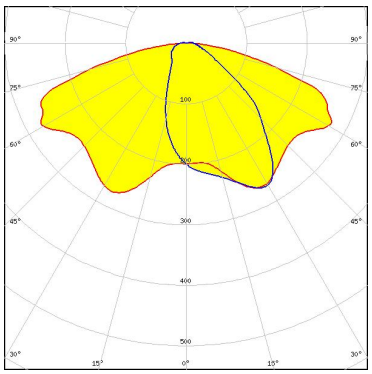
Required components:



COMET ELECTRONICS

LED	QUICK FLUX XTP 2x6 xxx LS G5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

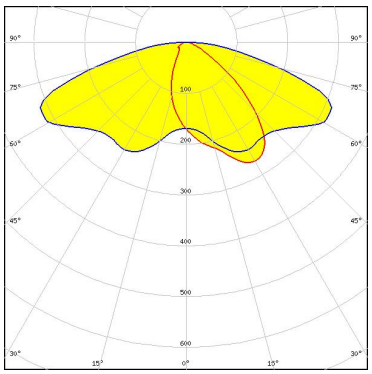
Required components:



CREE LED

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

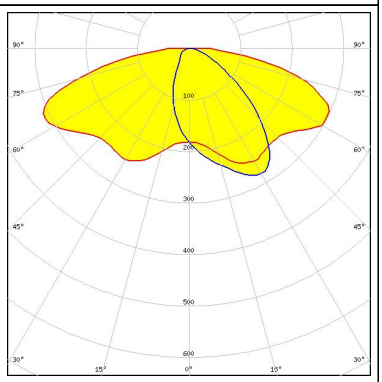
Required components:



CREE LED

LED	XM-L2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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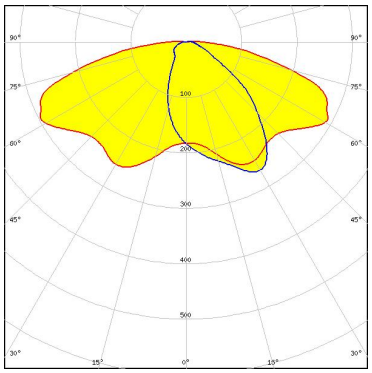
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XM-L3
FWHM / FWTM	158.0 + 65.0° / 180.0 + 127.0°
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

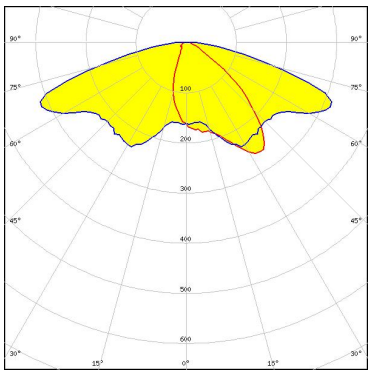




CREE LED

LED	XP-G
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

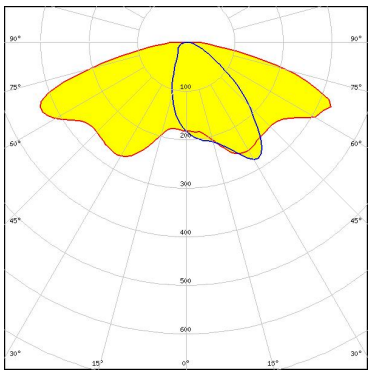
Required components:



CREE LED

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

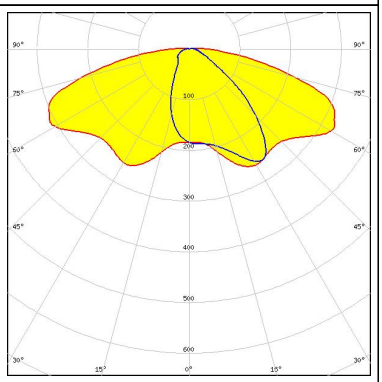
Required components:



CREE LED

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



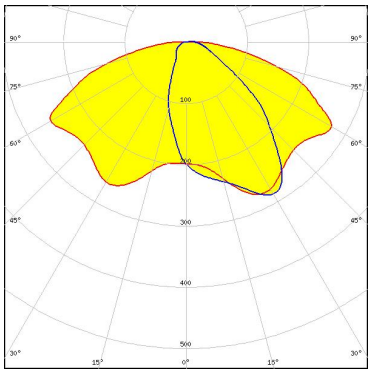
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PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

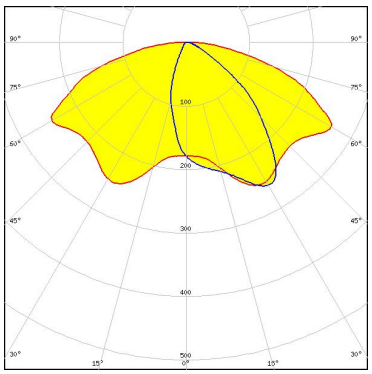
Required components:
C17580_STRADA-2X2-SHD-WHT



CREE LED

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

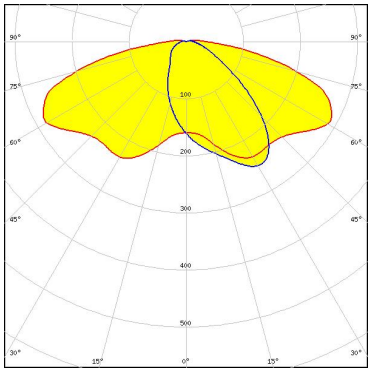
Required components:
C17677_STRADA-2X2-SHD-BLK



CREE LED

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

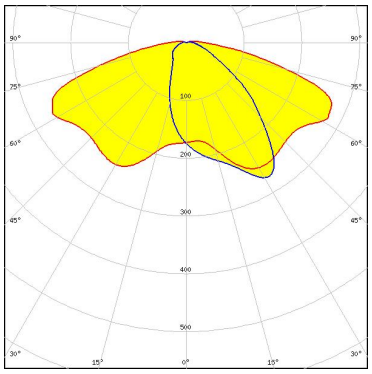
Required components:



CREE LED

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



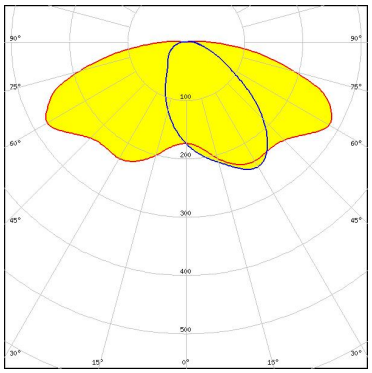
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PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

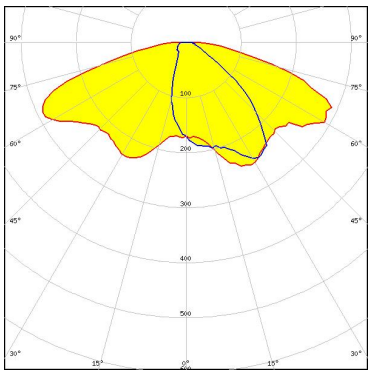
Required components:



CREE LED

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

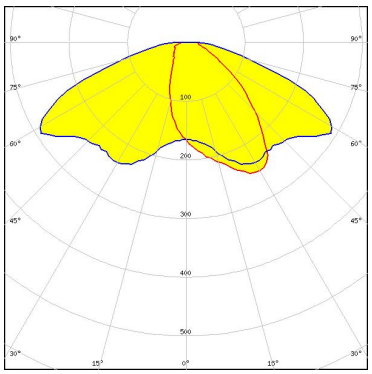
Required components:



CREE LED

LED	XT-E HVW
FWHM / FWTM	Asymmetric
Efficiency	%
LEDs/each optic	1
Light colour	White

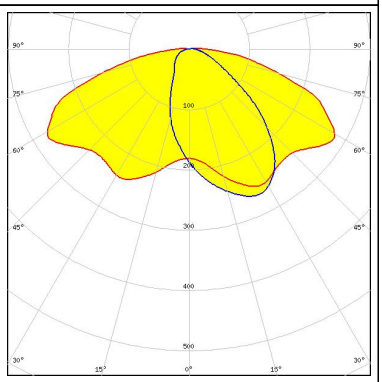
Required components:



LUMILEDS

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

Required components:



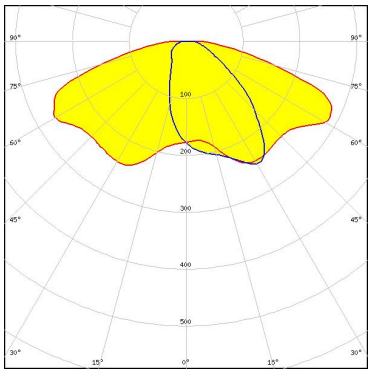
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Q
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

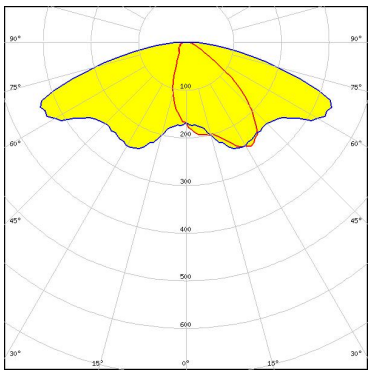
Required components:



LUMILEDS

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

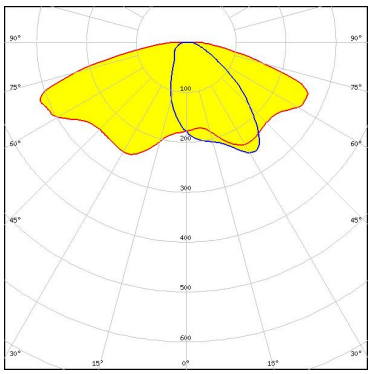
Required components:



LUMILEDS

LED	LUXEON T
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

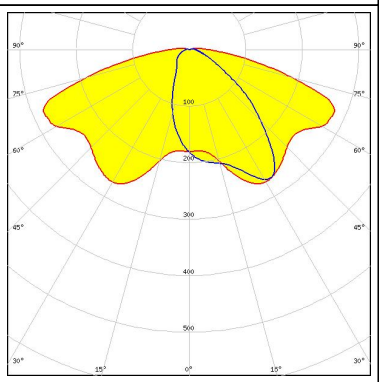
Required components:



LUMILEDS

LED	LUXEON TX
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

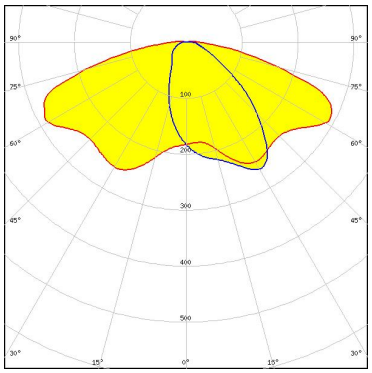


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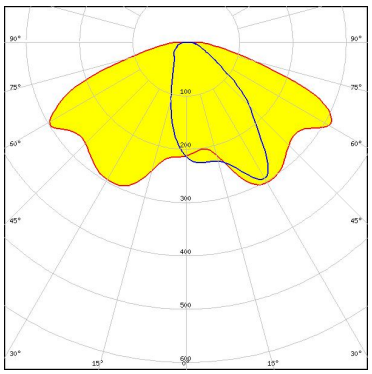
LUMILEDS

LED	LUXEON V2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



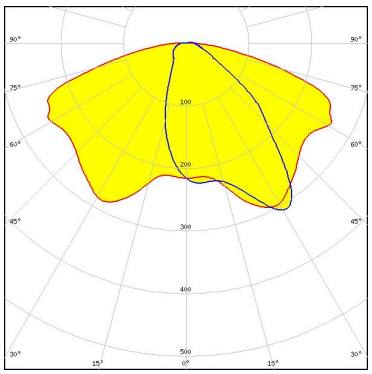
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



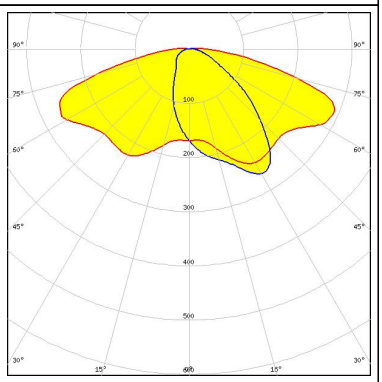
MST Your solutions

LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

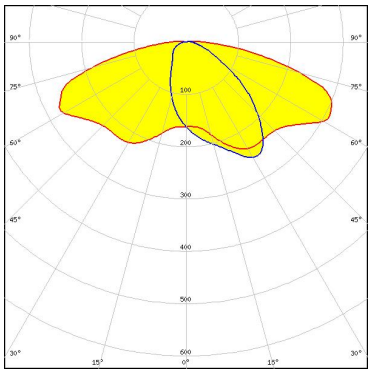


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PHOTOMETRIC DATA (MEASURED):

NICHIA

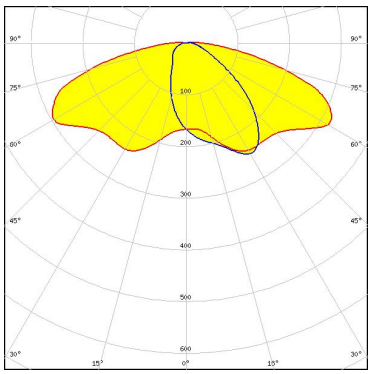
LED	NVSW319B
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

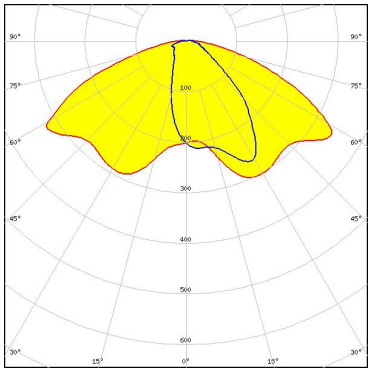
LED	NVSW3x9A
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





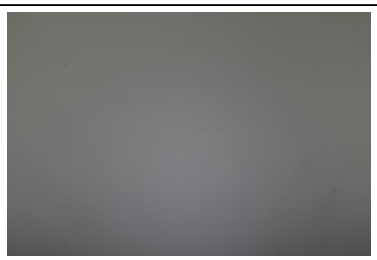
NICHIA

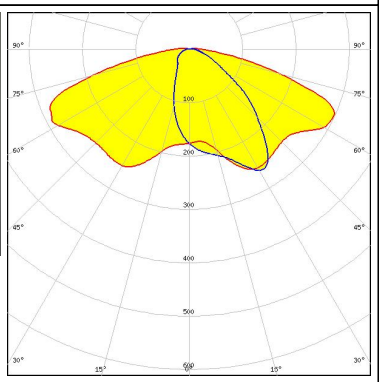
LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM

LED	PrevaLED Brick HP 2x8
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





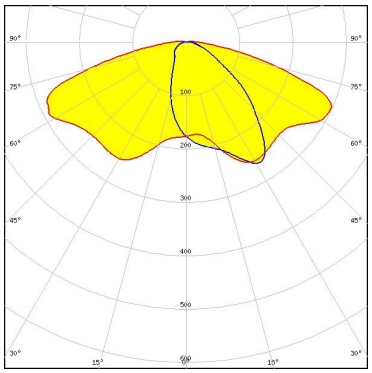
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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

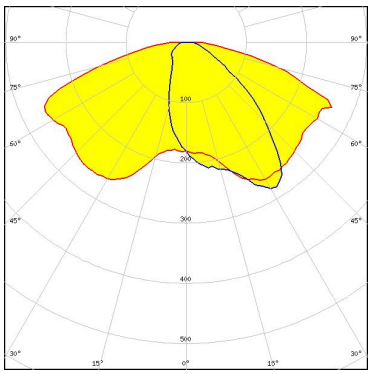
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





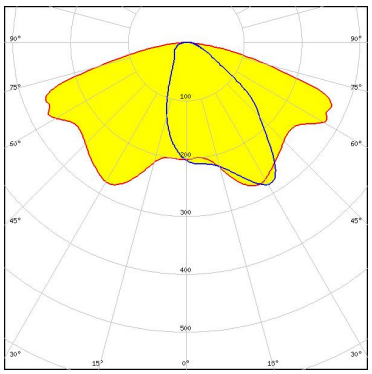
OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



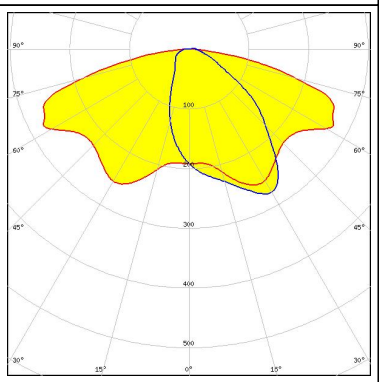
PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

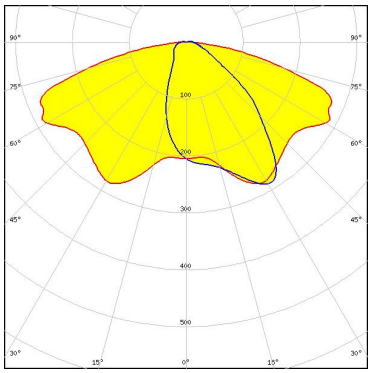


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PHOTOMETRIC DATA (MEASURED):

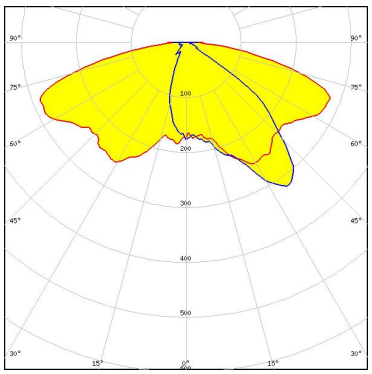
PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



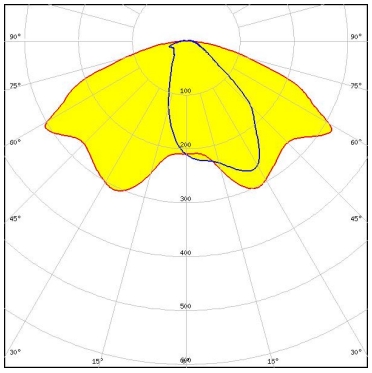
PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM / FWTM	Asymmetric
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	



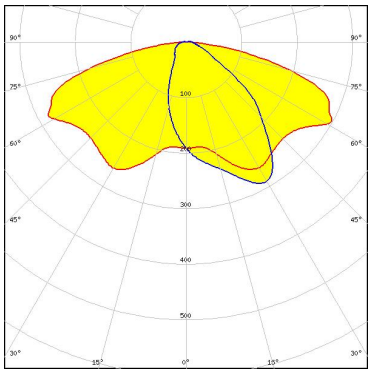
SAMSUNG

LED	HiLOM RC12 Z (LH181B)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	HiLOM RH12 Z (LH351C)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



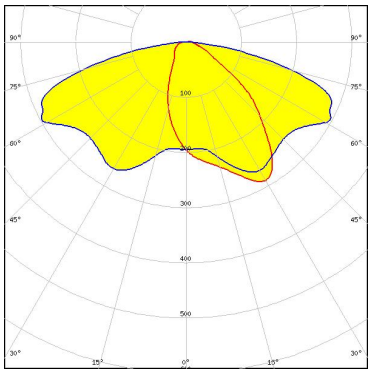
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	HiLOM RH16 (LH351C)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

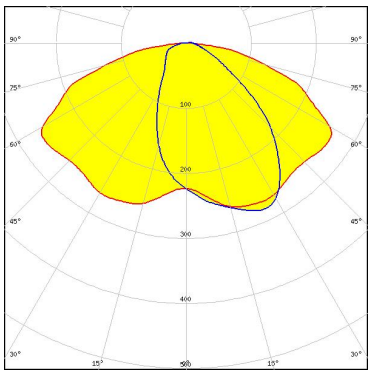
Required components:



SAMSUNG

LED	HiLOM RM12 Z (LH502C)
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

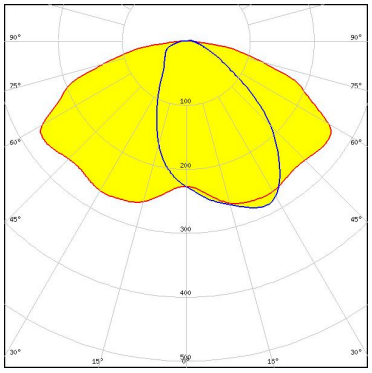
Required components:



SAMSUNG

LED	HiLOM RM16 Z (LH502C)
FWHM / FWTM	Asymmetric
Efficiency	98 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

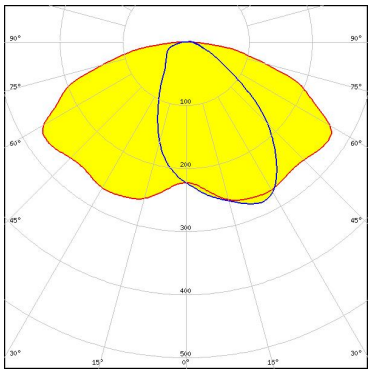
Required components:



SAMSUNG

LED	HiLOM RM8 Z (LH502C)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

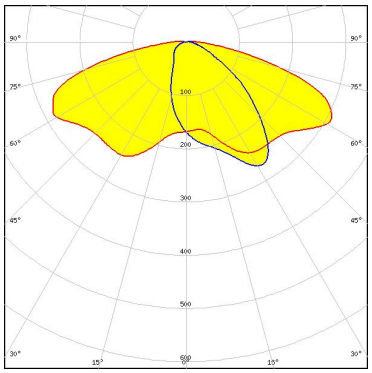


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

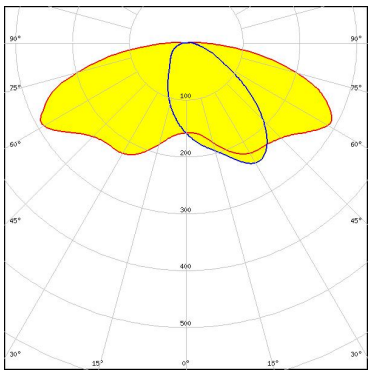
SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



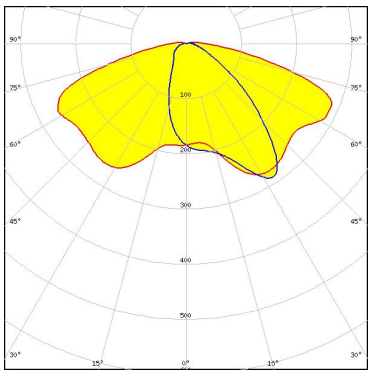
SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



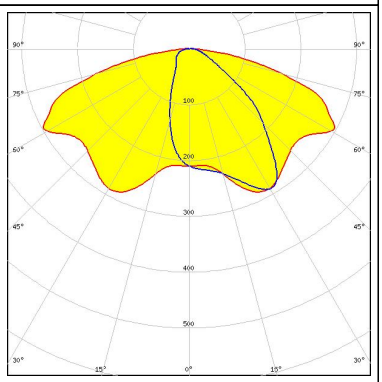
SAMSUNG

LED	LH351Z
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEITEC Elektronik GmbH

LED	LED-Pa-L15c2W11c2-xxx-C050-01
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



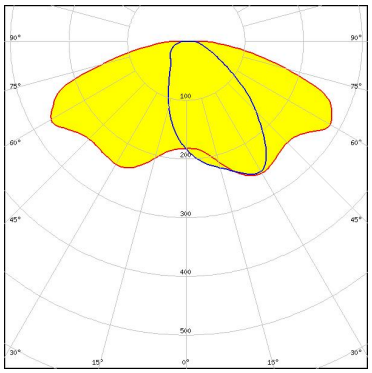
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Acrich MJT 4040
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



SEOUL SEMICONDUCTOR

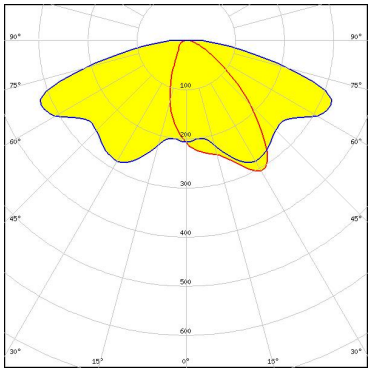
LED	Z5
FWHM / FWTM	Asymmetric
Efficiency	93 %
LEDs/each optic	1
Light colour	White

Required components:

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

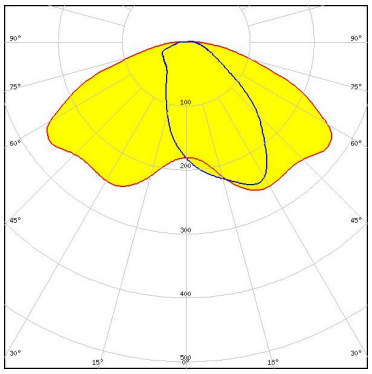


SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



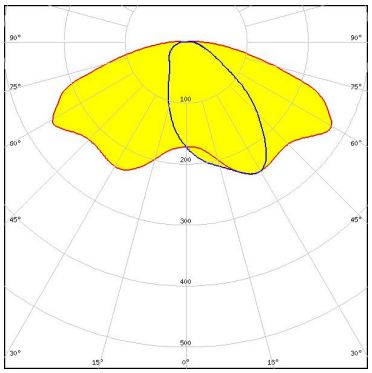


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

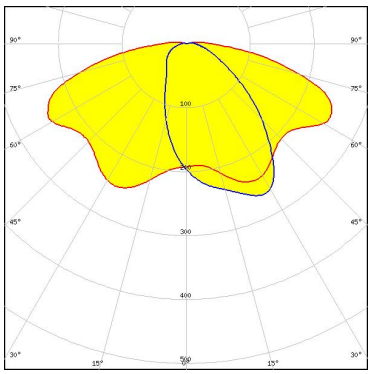
SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



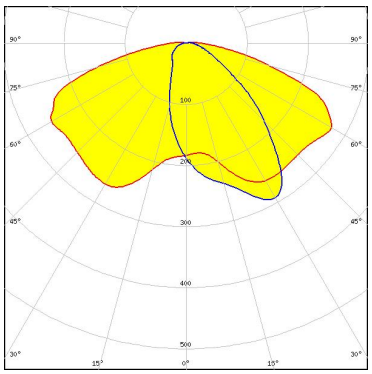
TOSHIBA
Leading Innovation

LED	TL1L3
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TOSHIBA
Leading Innovation

LED	TL1L4
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

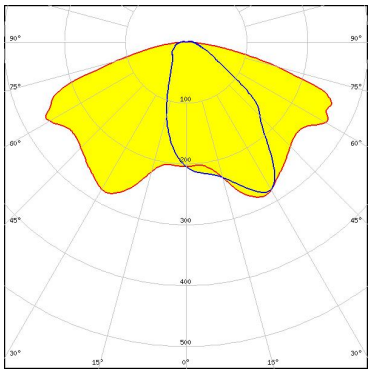
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

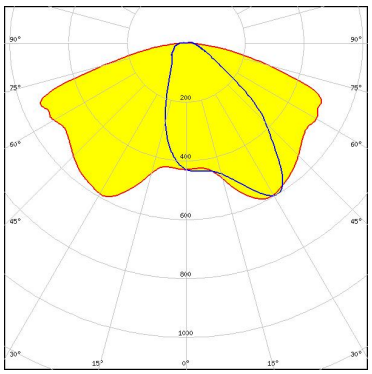
Required components:



TRIDONIC

LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

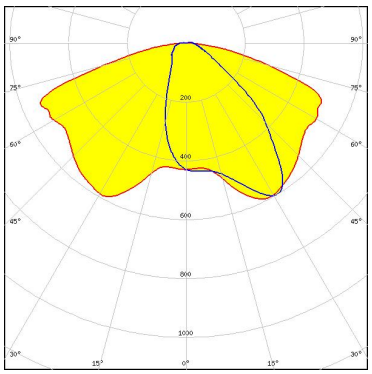
Required components:



TRIDONIC

LED	RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

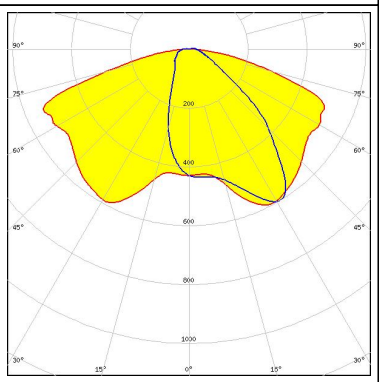
Required components:



TRIDONIC

LED	RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



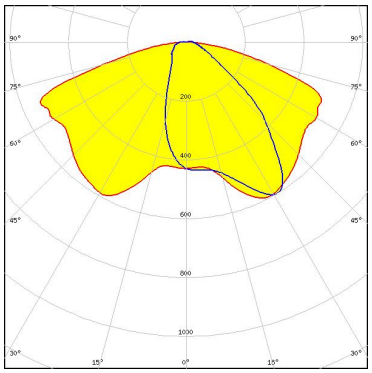
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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

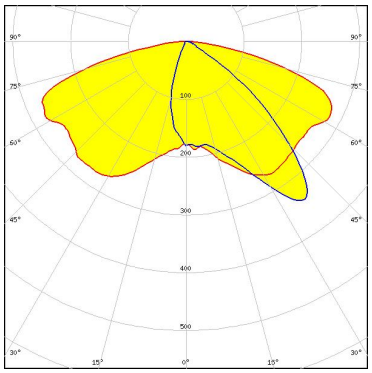
PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17580_STRADA-2X2-SHD-WHT

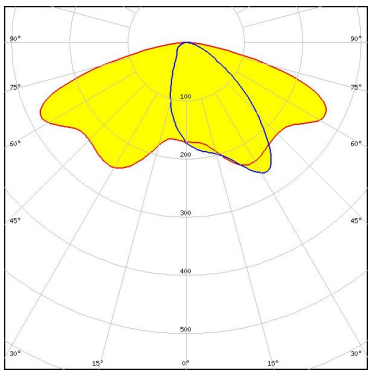


CREE LED

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

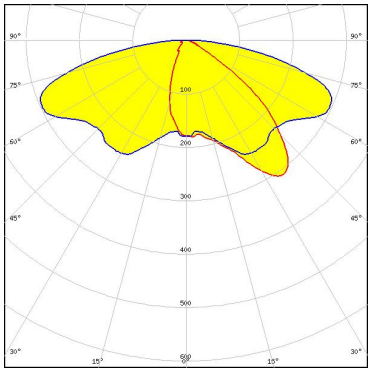
Protective plate, glass



CREE LED

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

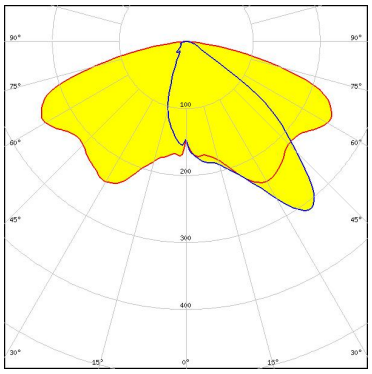


CREE LED

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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PHOTOMETRIC DATA (SIMULATED):

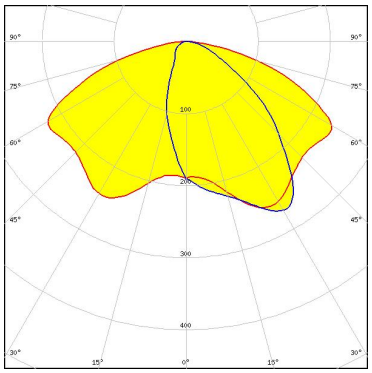
CREE LED

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

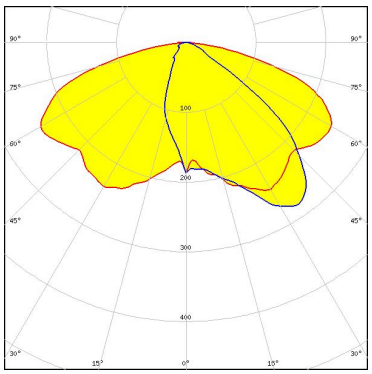


CREE LED

LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

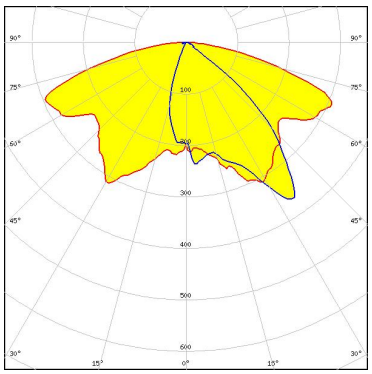
Protective plate, glass



LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	Asymmetric
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

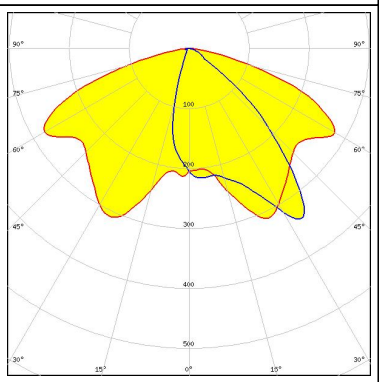


LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

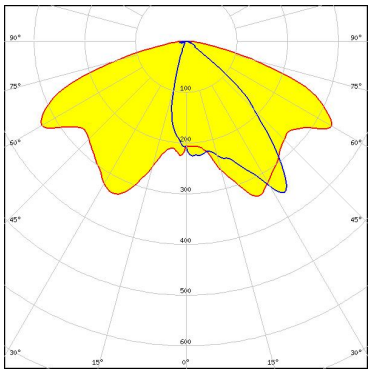


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

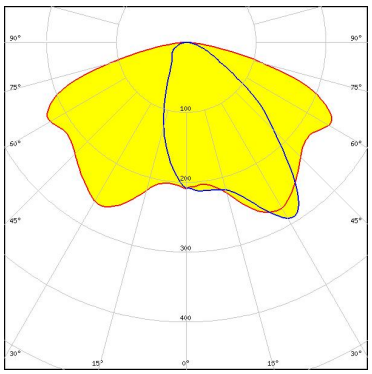
LED	LUXEON HL2Z
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



MST Your solutions

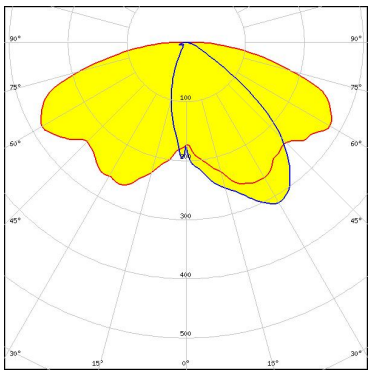
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



NICHIA

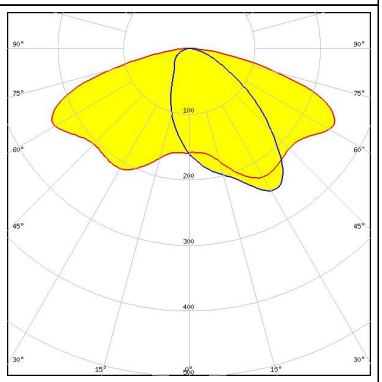
LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



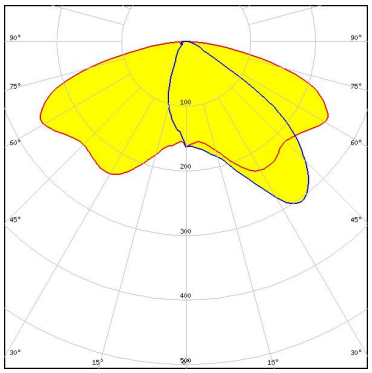
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

NICHIA

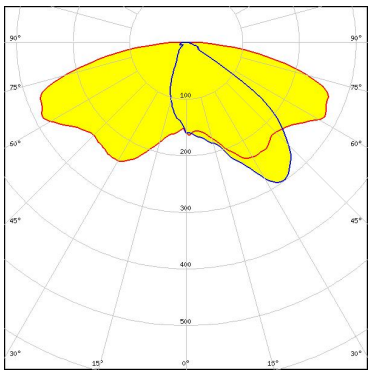
LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



NICHIA

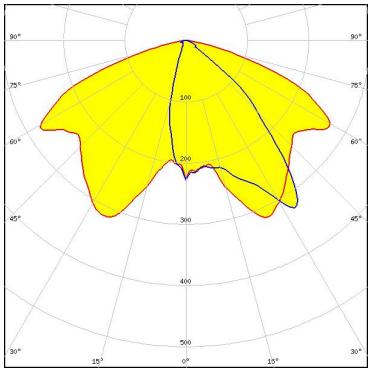
LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

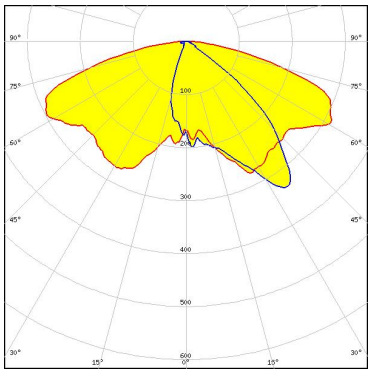
LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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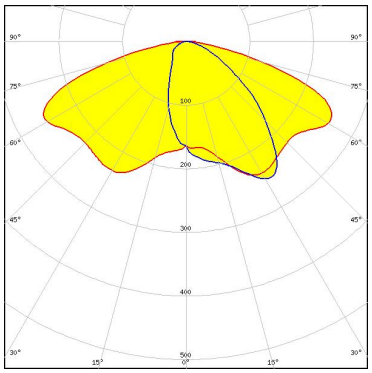
PHOTOMETRIC DATA (SIMULATED):

OSRAM

LED	PrevaLED Brick HP 2x8
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

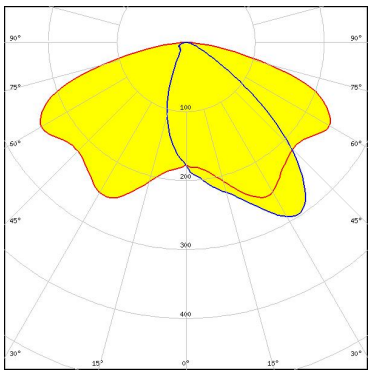


OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

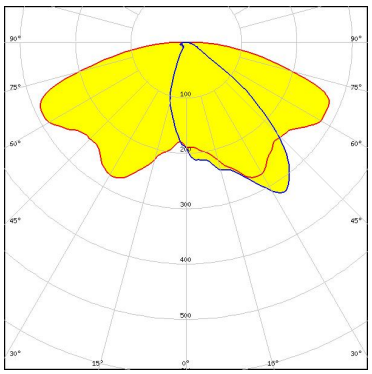
Protective plate, glass



OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



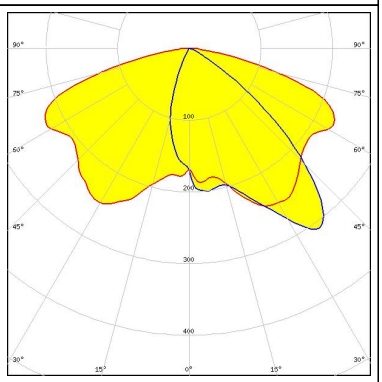
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17677_STRADA-2X2-SHD-BLK

Protective plate, glass



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PHOTOMETRIC DATA (SIMULATED):

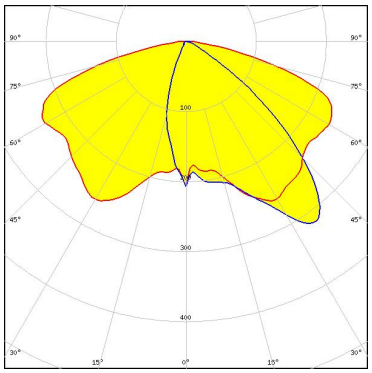
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

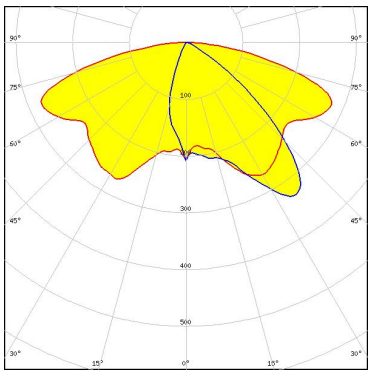


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17677_STRADA-2X2-SHD-BLK

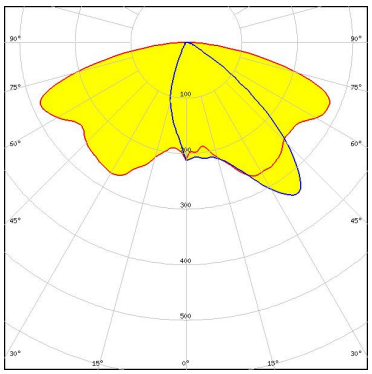


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17580_STRADA-2X2-SHD-WHT

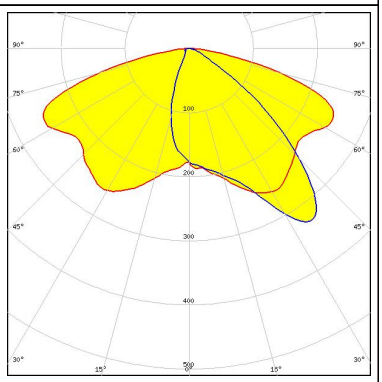


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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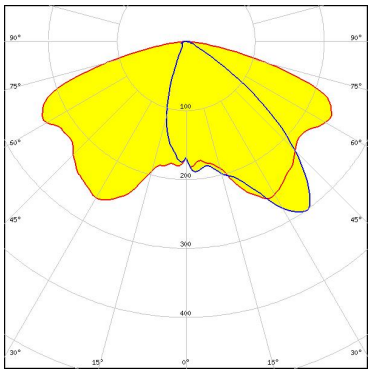
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

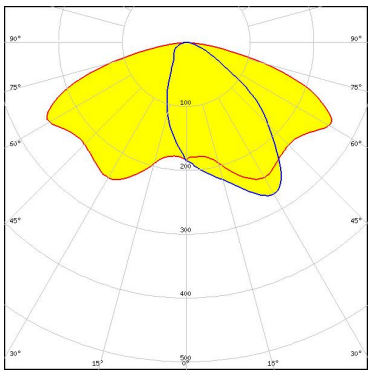


SAMSUNG

LED	HiLOM RH12 Z (LH351C)
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

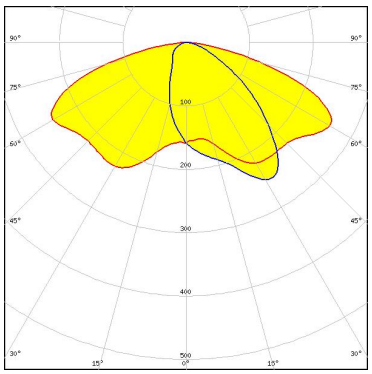


SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

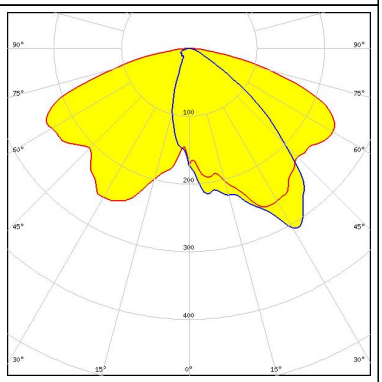


SEOUL SEMICONDUCTOR

LED	Acrich MJT 4040
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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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.

MATERIALS:

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