STRADA-2X2-FR

Asymmetric spotlight beam for floodlighting railway tracks according to Russian normative

TECHNICAL SPECIFICATIONS:

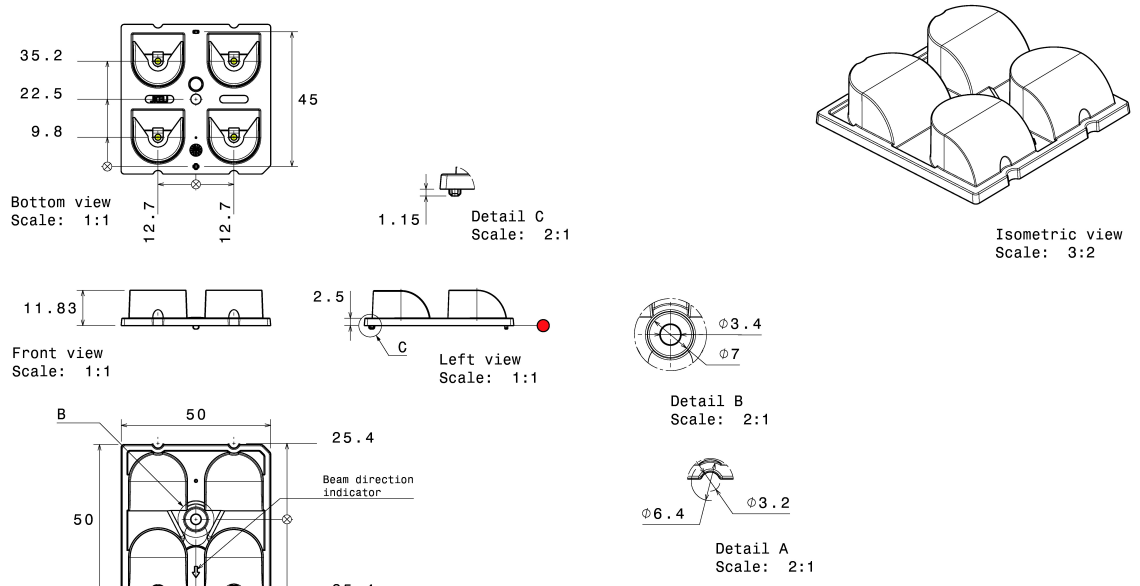
Dimensions	50.0 x 50.0 mm
Height	11.8 mm
Fastening	glue, pin, screw
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

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

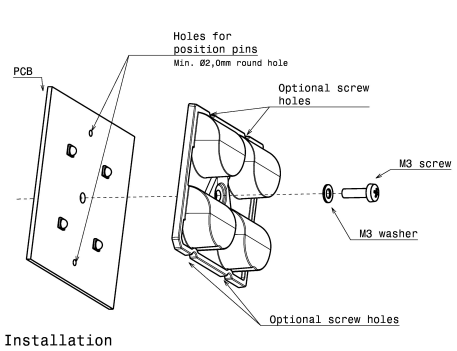
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16378_STRADA-2X2-FR » Box size: 476 x 273 x 292 mm	800		160	11.7

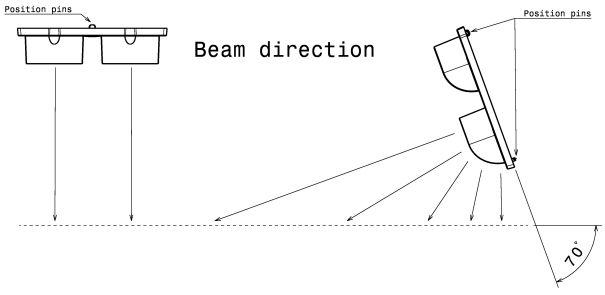


PCB or heatsink level.
LED location.
Ensure LED fitting from a product specific 3D model available from www.ledil.com.
See installation details in page 2.

MECHANICAL DRAWING PRODUCT C16378_STRADA-2X2-FR		LEDiL®
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.	FIRST ANGLE PROJECTION:	This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.
SCALE 1:1	WEIGHT 13,65 g	A3 SHEET 1/2



Installation



MECHANICAL DRAWING PRODUCT C16378_STRADA-2X2-FR		LEDiL®
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.	FIRST ANGLE PROJECTION:	This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.
SCALE 1:1	WEIGHT -	A3 SHEET 2/2

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

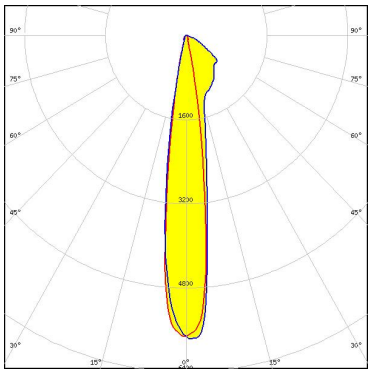
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-G2
FWHM / FWTM	15.0 + 16.0° / 26.0 + 69.0°
Efficiency	90 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

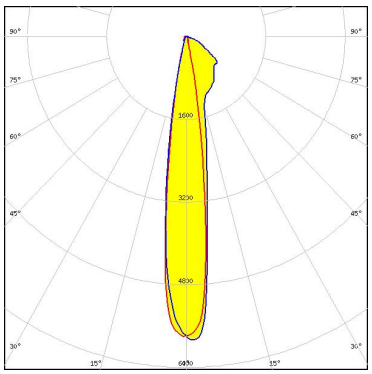
Protective plate, glass



CREE

LED	XP-G2
FWHM / FWTM	15.0 + 16.0° / 27.0 + 70.0°
Efficiency	94 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White

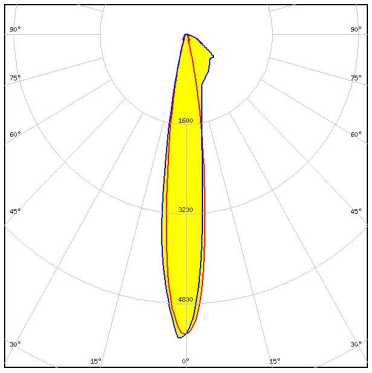
Required components:



MST Your solutions

LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White

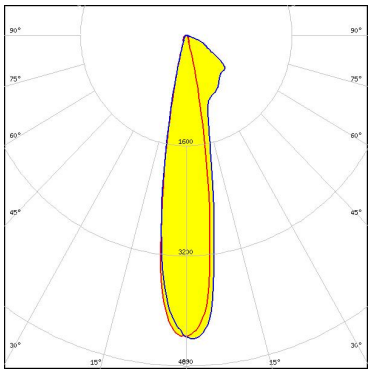
Required components:



NICHIA

LED	NVSW219F
FWHM / FWTM	18.0 + 20.0° / 31.0 + 74.0°
Efficiency	94 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

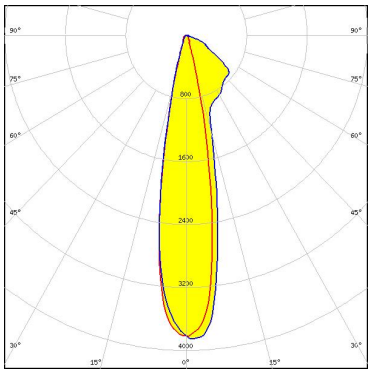
Required components:



PHOTOMETRIC DATA (MEASURED):

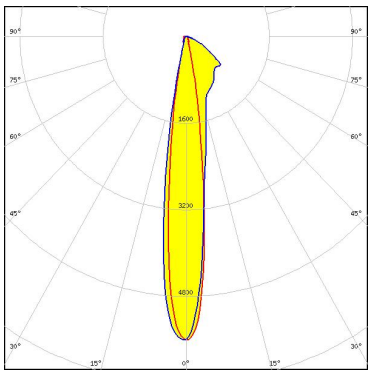
NICHIA

LED	NVSW319B
FWHM / FWTM	20.0 + 22.0° / 34.0 + 76.0°
Efficiency	94 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



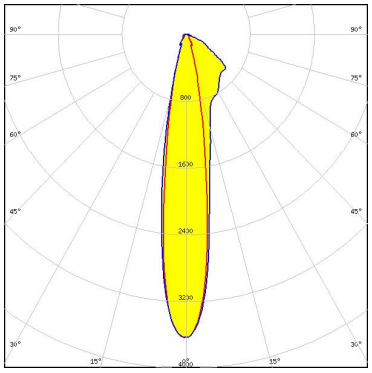
OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	14.0 + 15.0° / 27.0 + 71.0°
Efficiency	94 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

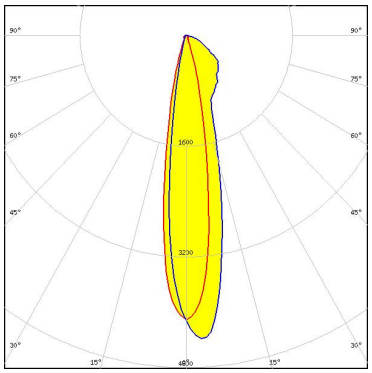
LED	Z5M3
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

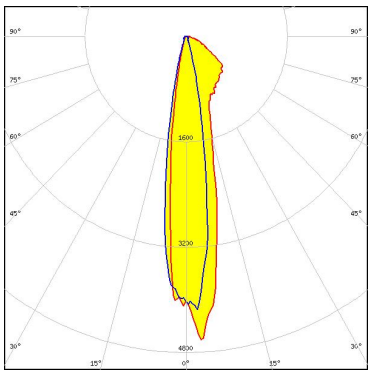
CREE

LED	XP-G2 HE
FWHM / FWTM	18.0 + 21.0° / 34.0 + 70.0°
Efficiency	92 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

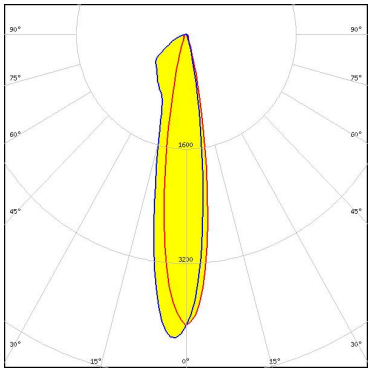
LED	XP-G3
FWHM / FWTM	17.0 + 18.0° / 32.0 + 72.0°
Efficiency	92 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

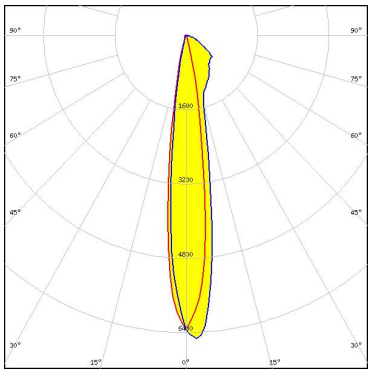
LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

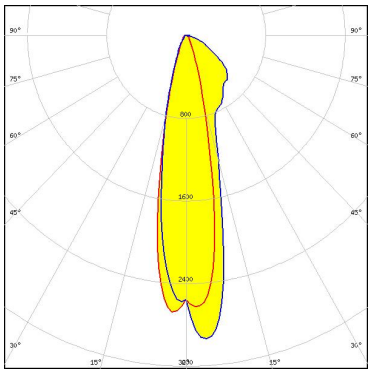
LED	LUXEON TX
FWHM / FWTM	15.0 + 16.0° / 28.0 + 66.0°
Efficiency	93 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

NICHIA

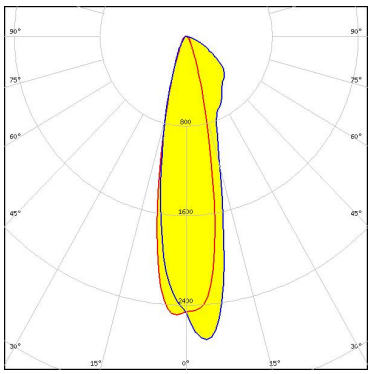
LED	NV4WB35AM
FWHM / FWTM	22.0 + 24.0° / 44.0 + 82.0°
Efficiency	94 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

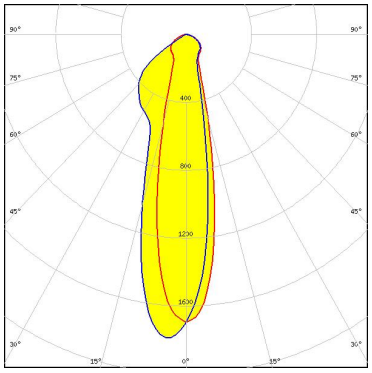
Protective plate, glass



NICHIA

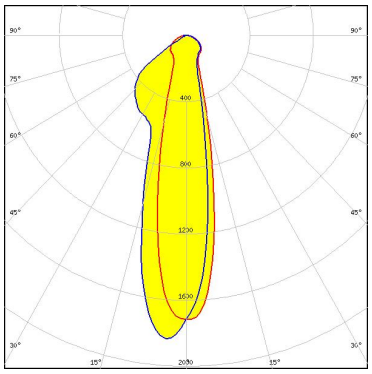
LED	NVSW519A
FWHM / FWTM	23.0 + 25.0° / 53.0 + 79.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



NICHIA

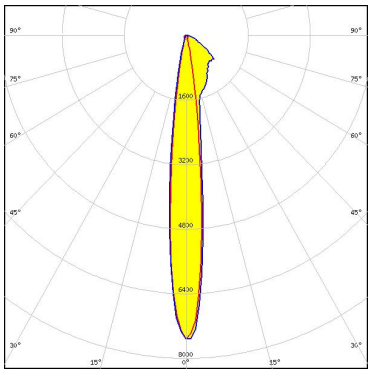
LED	NVSW519A
FWHM / FWTM	23.0 + 24.0° / 52.0 + 79.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

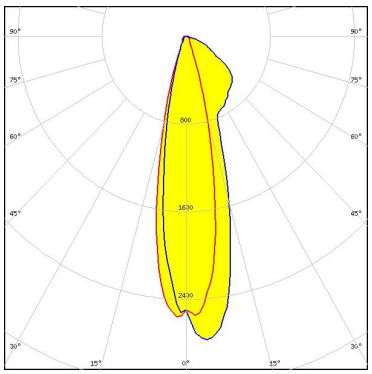
NICHIA

LED	NVSxE21A
FWHM / FWTM	12.0 + 13.0° / 25.0 + 67.0°
Efficiency	93 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



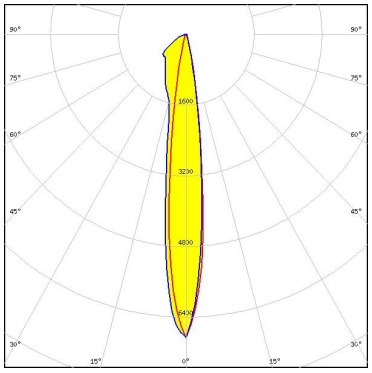
NICHIA

LED	NWSx229A
FWHM / FWTM	24.0 + 25.0° / 42.0 + 81.0°
Efficiency	93 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



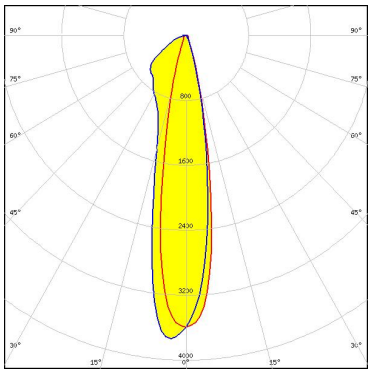
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	14.0° / 26.0 + 65.0°
Efficiency	93 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	20.0 + 22.0° / 38.0 + 76.0°
Efficiency	94 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



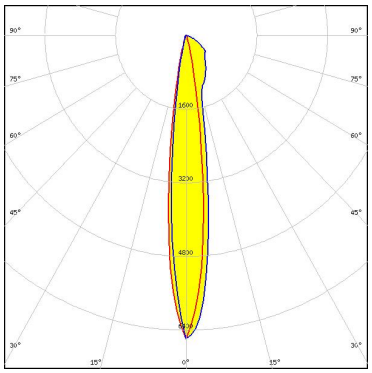
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	13.0 + 14.0° / 26.0 + 52.0°
Efficiency	86 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

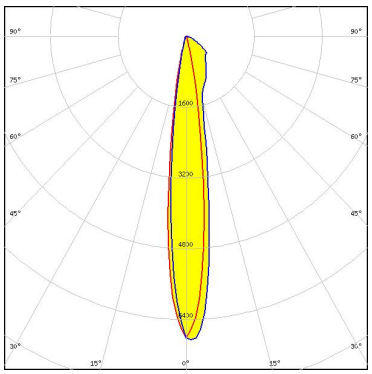
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	13.0 + 14.0° / 26.0 + 53.0°
Efficiency	93 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White

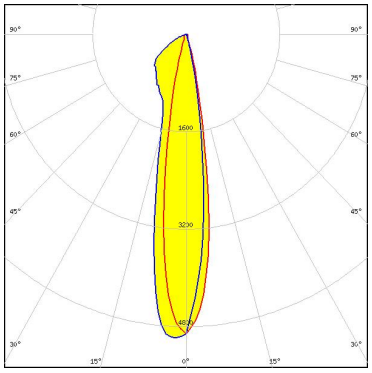
Required components:



SAMSUNG

LED	LH351B
FWHM / FWTM	18.0 + 19.0° / 32.0 + 70.0°
Efficiency	94 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White

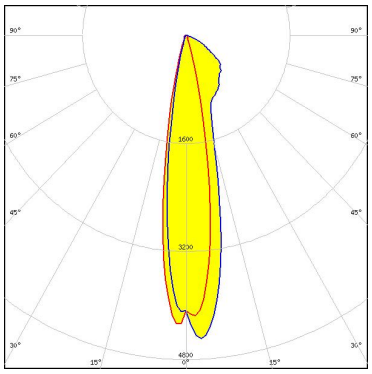
Required components:



SAMSUNG

LED	LH351C
FWHM / FWTM	18.0 + 20.0° / 33.0 + 71.0°
Efficiency	94 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White

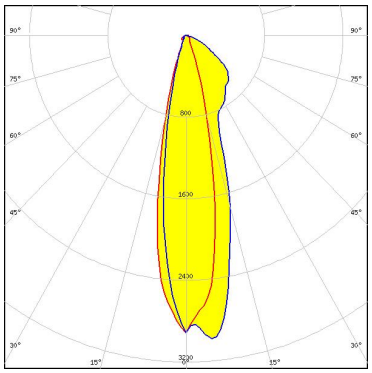
Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LH351D
FWHM / FWTM	22.0 + 26.0° / 41.0 + 77.0°
Efficiency	94 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
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.

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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