

PRODUCT DATASHEET C16378_STRADA-2X2-FR

STRADA-2X2-FR

Asymmetric spotlight beam for floodlighting railway tracks according to Russian normative

SPECIFICATION:

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



MATERIALS:

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

ORDERING INFORMATION:

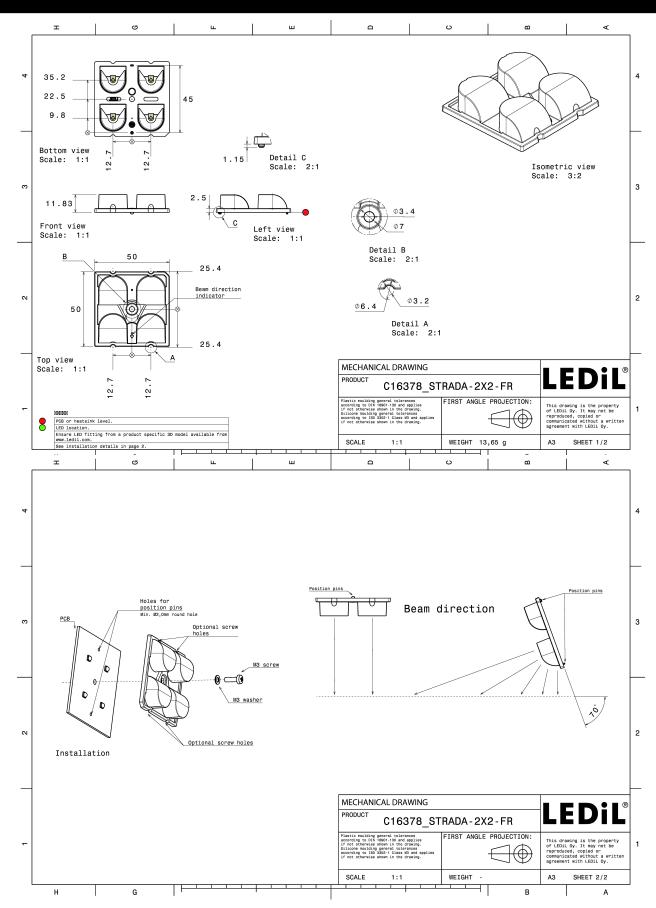
» Box size: 476 x 273 x 292 mm

Component Qty in box MOQ MPQ Box weight (kg) C16378_STRADA-2X2-FR 800 160 11.7

Published: 03/07/2018 Last update: 13/02/2023 Subject to change without prior notice 1/10



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

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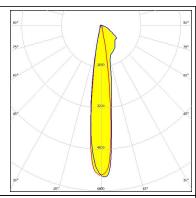
OPTICAL RESULTS (MEASURED):

CREE - LED

LED XP-G2

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $15.0 + 16.0^{\circ} / 27.0 + 70.0^{\circ}$

Efficiency 94 % Peak intensity 5.9 cd/lm LEDs/each optic Light colour White Required components:



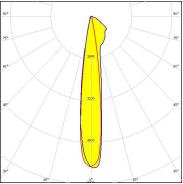
CREE - LED

LED XP-G2

FWHM / FWTM 15.0 + 16.0° / 26.0 + 69.0°

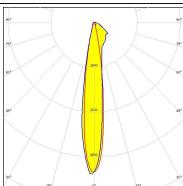
Efficiency 90 % Peak intensity 5.8 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ Asymmetric Efficiency 97 % Peak intensity 5.4 cd/lm LEDs/each optic Light colour White Required components:

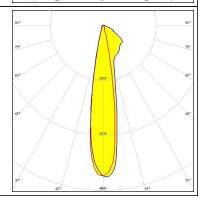


WNICHIA

NVSW219F

FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0°

Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic White Light colour Required components:





OPTICAL RESULTS (MEASURED):

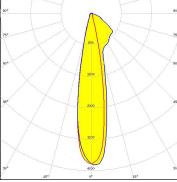


LED NVSW319B

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $20.0 + 22.0^{\circ} / 34.0 + 76.0^{\circ}$

Efficiency 94 % Peak intensity 3.9 cd/lm LEDs/each optic Light colour White

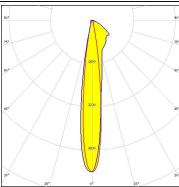
Required components:



OSRAM

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 White Light colour Required components:

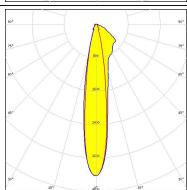


SEOUL

LED

Z5M3 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ Asymmetric Efficiency 94 % Peak intensity 3.6 cd/lm LEDs/each optic

Light colour White Required components:





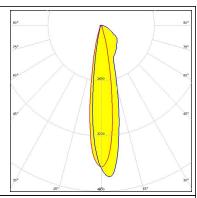
CREE + LED

LED XP-G2 HE

FWHM / FWTM $18.0 + 21.0^{\circ} / 34.0 + 70.0^{\circ}$

Efficiency 92 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:



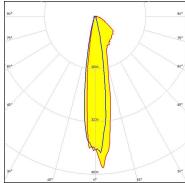
CREE - LED

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:

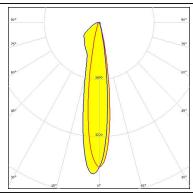


CREE + LED

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

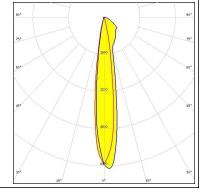


LUMILEDS

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:





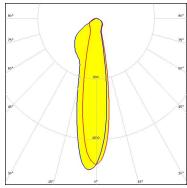


LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM $20.0 + 23.0^{\circ} / 46.0 + 76.0^{\circ}$

Efficiency 85 % Peak intensity 2 cd/lm LEDs/each optic Light colour White Required components:

Protective plate, glass



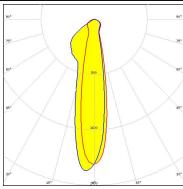
LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 20.0 + 22.0° / 44.0 + 75.0°

Efficiency 95 % Peak intensity 2.2 cd/lm LEDs/each optic 1 White Light colour

Required components:



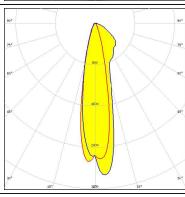
WNICHIA

LED NV4WB35AM

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $22.0 + 24.0^{\circ} / 44.0 + 82.0^{\circ}$

Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White

Required components:

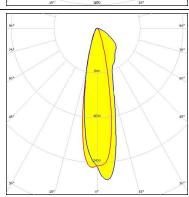


WNICHIA

Required components:

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

Protective plate, glass





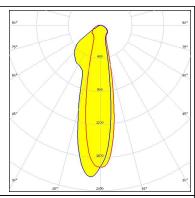


LED NVSW519A

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:



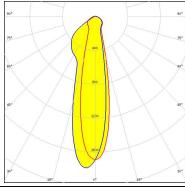
WNICHIA

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



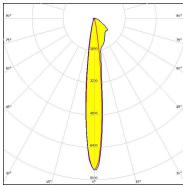
WNICHIA

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:

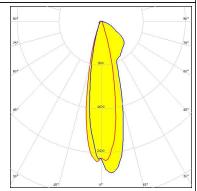


WNICHIA

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:





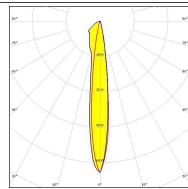
OSRAM

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 Light colour White

Required components:

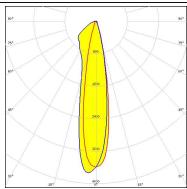


OSRAM

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 White Light colour

Required components:



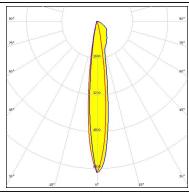
OSRAM Opto Semiconductors

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



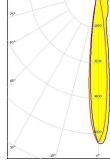
OSRAM

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 White Light colour Required components:





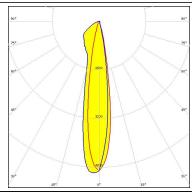
SAMSUNG

LED LH351E

FWHM / FWTM $18.0 + 19.0^{\circ}$ / $32.0 + 70.0^{\circ}$

Efficiency 94 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



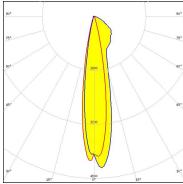
SAMSUNG

LED LH351C

FWHM / FWTM $18.0 + 20.0^{\circ}$ / $33.0 + 71.0^{\circ}$

Efficiency 94 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



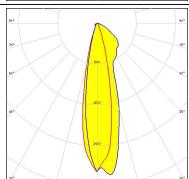
SAMSUNG

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:

0°





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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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