STRADA-2X2-ME-WIDE2

Beam with excellent longitudinal luminance uniformity for staggered pole setups fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

SPECIFICATION:

Dimensions 50.0 x 50.0 mm

Height 7 mm

Fastening pin, screw

ROHS compliant yes ¹



MATERIALS:

ComponentTypeMaterialColourFinishLengthSTRADA-2X2-ME-WIDE2Multi-lensPMMAclear50.0

ORDERING INFORMATION:

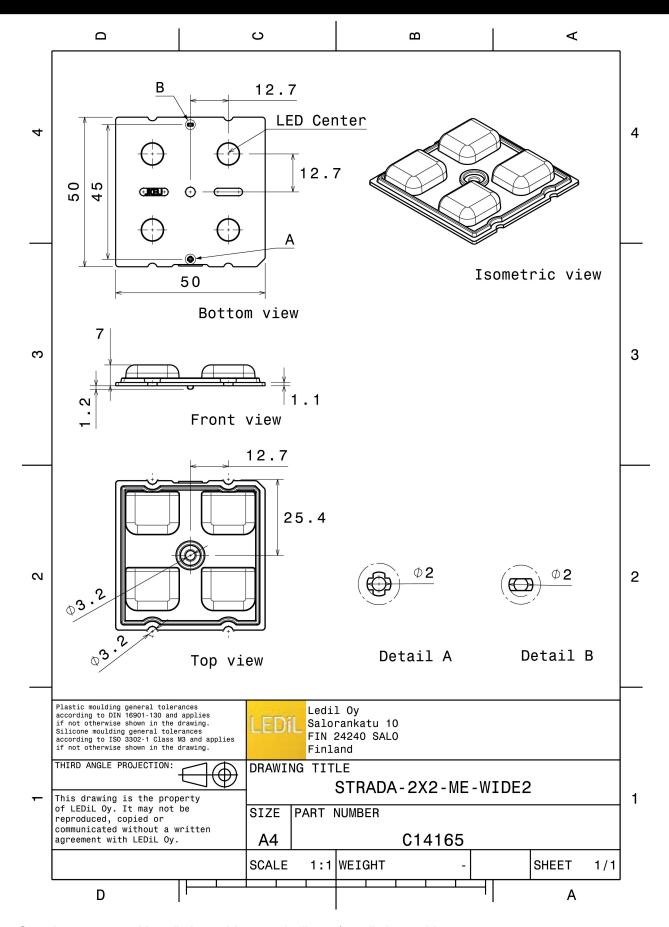
Component Qty in box MOQ MPQ Box weight (kg)

C14165 STRADA-2X2-ME-WIDE2 800 160 7.6

» Box size: 480 x 280 x 300 mm

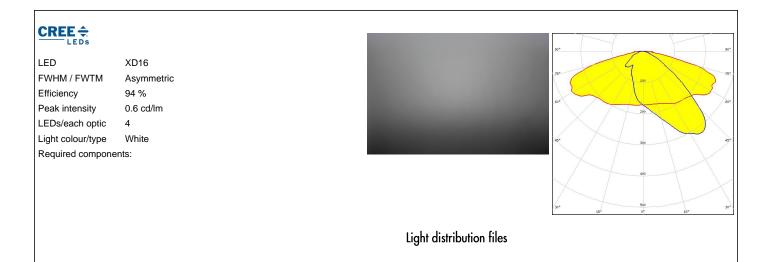
PRODUCT DATASHEET

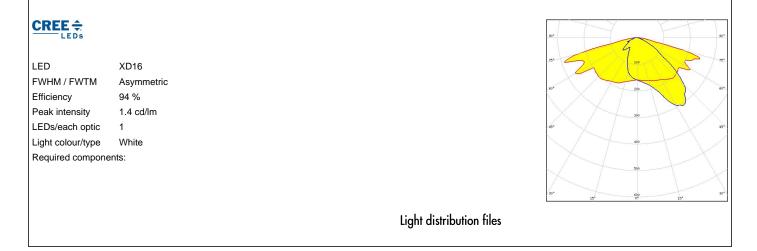
C14165_STRADA-2X2-ME-WIDE2

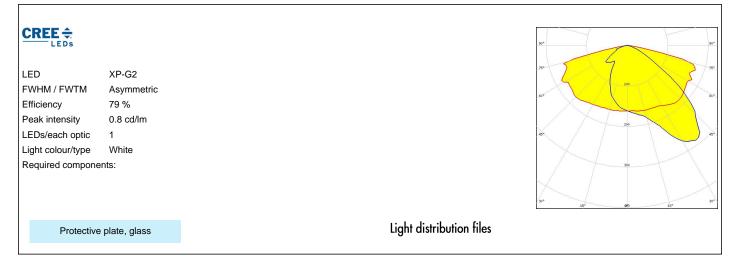


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):





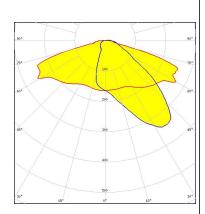


OPTICAL RESULTS (MEASURED):

CREE +

LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C17580_STRADA-2X2-SHD-WHT

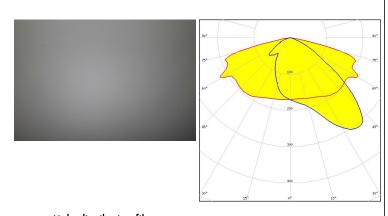


Light distribution files

CREE ÷

LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

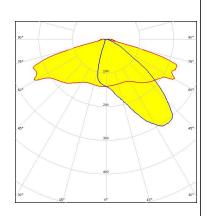


Light distribution files

CREE -

LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 72 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C17677_STRADA-2X2-SHD-BLK

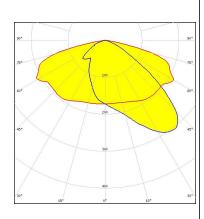


Light distribution files

OPTICAL RESULTS (MEASURED):

CREE \$

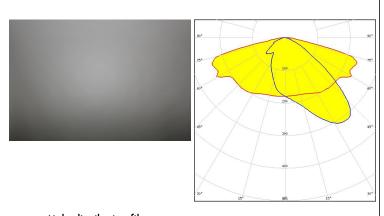
LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

DESCRIPTION

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

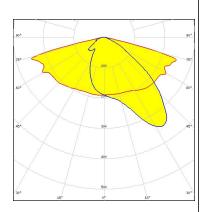


Light distribution files



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1

FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

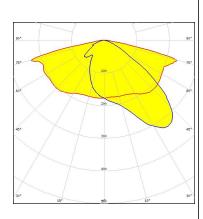


Light distribution files

OPTICAL RESULTS (MEASURED):

WNICHIA

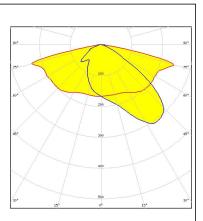
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



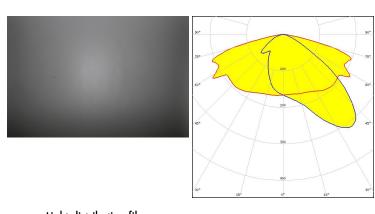
LED NVSW319B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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OPTICAL RESULTS (MEASURED):

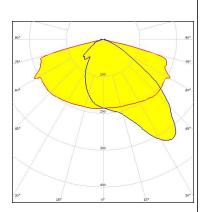
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Protective plate, glass

Required components:

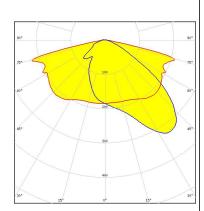


Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

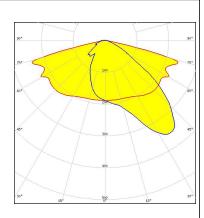


Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Published: 28/10/2020

OPTICAL RESULTS (MEASURED):

PHILIPS

Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.7 cd/lm LEDs/each optic White Light colour/type Required components:

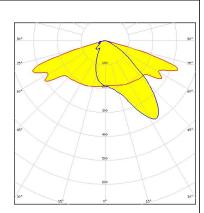
Protective plate, glass

Light distribution files

SAMSUNG

HiLOM RC12 Z (LH181B)

FWHM / FWTM Asymmetric Efficiency Peak intensity 1.2 cd/lm LEDs/each optic Light colour/type White Required components:

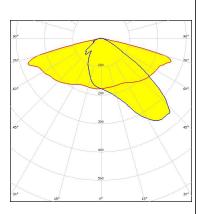


Light distribution files

SAMSUNG

LED HiLOM RH12 Z (LH351C)

FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED HILOM RH16 (LH351C)

FWHM / FWTM Asymmetric

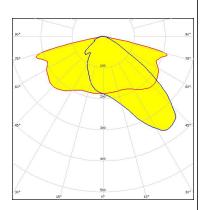
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

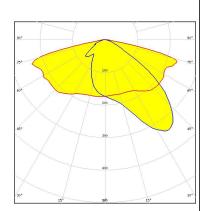


Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

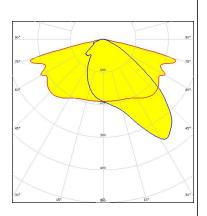


Light distribution files



LED LED-Pa-L15c2W11c2-xxx-C050-01

FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



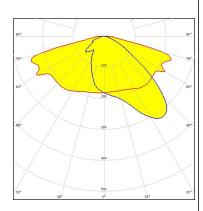
Light distribution files

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OPTICAL RESULTS (MEASURED):



LED Z5M3 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:

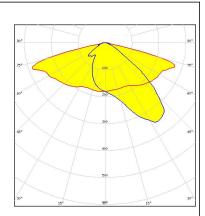


Light distribution files



FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.9 cd/lm LEDs/each optic

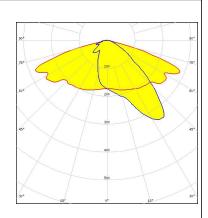
Light colour/type White Required components:



Light distribution files



LED Z8Y22 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:



Light distribution files

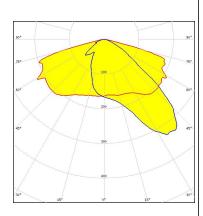
OPTICAL RESULTS (MEASURED):

TOSHIBA Leading Innovation >>>

TL1L4 FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White

Required components:

Protective plate, glass



Light distribution files

TRIDONIC

RLE 2x4 2000lm HP EXC2 OTD

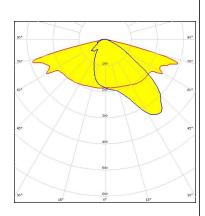
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour/type White Required components:

Light distribution files

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour/type White Required components:



PRODUCT DATASHEET

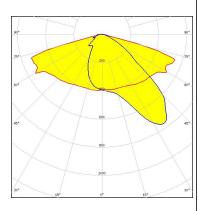
C14165_STRADA-2X2-ME-WIDE2

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

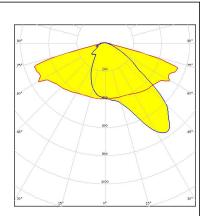


Light distribution files

TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

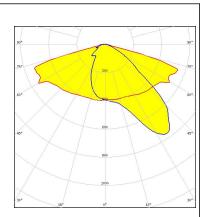


Light distribution files

TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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Light distribution files

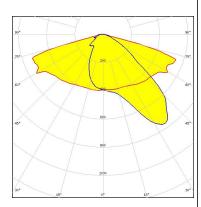


OPTICAL RESULTS (MEASURED):

TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Published: 28/10/2020

OPTICAL RESULTS (SIMULATED):



LED XHP35 HD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

CREE \$

LED XP-E2
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

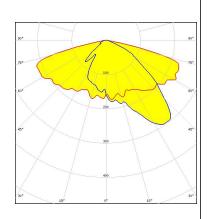
Required components:

Protective plate, glass

CREE \$

LED XP-G2
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass





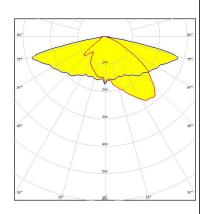
LED XP-G2 FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:

Light distribution files

CREE \$

XP-G2 HE LFD FWHM / FWTM Asymmetric Efficiency 92 % 0.7 cd/lm Peak intensity LEDs/each optic Light colour/type White

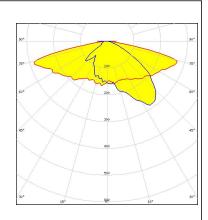
Required components:



Light distribution files

CREE \$

XP-G3 FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour/type White Required components:



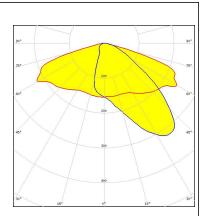
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XP-G3 FWHM / FWTM Asymmetric Efficiency 73 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour/type White Required components:

C17580_STRADA-2X2-SHD-WHT



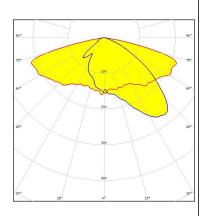
Light distribution files

Protective plate, glass

CREE \$

XP-G3 LFD FWHM / FWTM Asymmetric Efficiency 77 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:

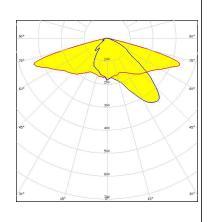
Protective plate, glass



Light distribution files

CREE \$

XP-G4 FWHM / FWTM Asymmetric 94 % Efficiency Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:



OPTICAL RESULTS (SIMULATED):



LED XP-G4
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

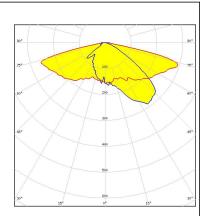
Required components:

Protective plate, glass

CREE -

LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

CREE -

LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 80 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

OPTICAL RESULTS (SIMULATED):



LED XT-E
FWHM / FWTM Asymmetric
Efficiency 80 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files



LED LUXEON HL2X
FWHM / FWTM Asymmetric
Efficiency 80 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

30° 90° 90° 12

Light distribution files

Protective plate, glass

MUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

White

FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1

Required components:

Light colour/type

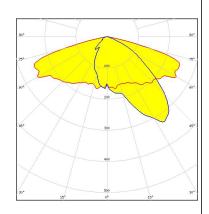
Light distribution files

Protective plate, glass

WNICHIA

LED NF2x757G
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

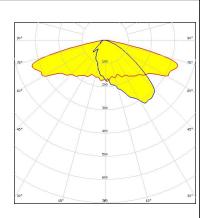


Protective plate, glass



LED NV4WB35AM
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

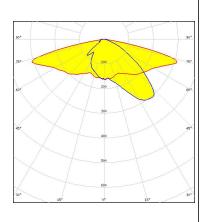


Light distribution files

Published: 28/10/2020

WNICHIA

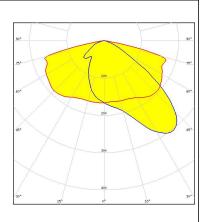
LFD NVSW219F $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ Asymmetric Efficiency 92 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:



WNICHIA

NVSW219F LFD FWHM / FWTM Asymmetric Efficiency 80 % 0.5 cd/lm Peak intensity LEDs/each optic Light colour/type White Required components:

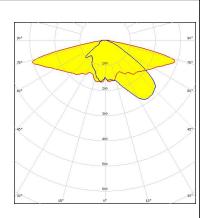
Protective plate, glass



Light distribution files

WNICHIA

NVSW519A FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour/type White Required components:



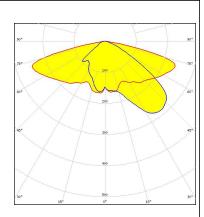
OPTICAL RESULTS (SIMULATED):



LFD NVSW519A $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour/type White

Protective plate, glass

Required components:



Light distribution files



NVSxE21A LFD FWHM / FWTM Asymmetric Efficiency 82 % 0.7 cd/lm Peak intensity LEDs/each optic Light colour/type White

Required components:

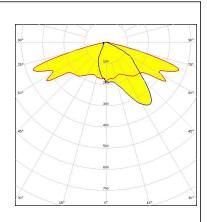
Light distribution files

Protective plate, glass



NVSxE21A FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White

Required components:

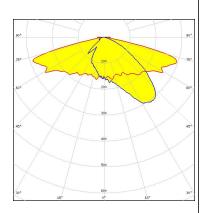




LED NVSxx19B/NVSxx19C

FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



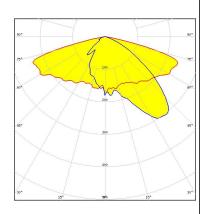
Light distribution files



LED NVSxx19B/NVSxx19C

FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

Protective plate, glass

OSRAM

LED PrevaLED Brick HP 2x8

FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

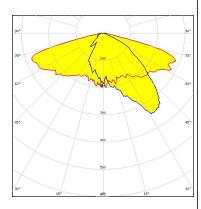
22/31

OSRAM Opto Semiconductors

LFD OSCONIQ P 3737 (2W version)

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

Required components:



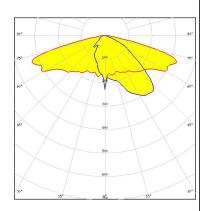
Light distribution files

OSRAM Opto Semiconductore

OSCONIQ P 3737 (3W version) LFD

FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour/type White

Required components:



Light distribution files

OSRAM

OSCONIQ P 3737 (3W version)

FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:

Protective plate, glass

OPTICAL RESULTS (SIMULATED):

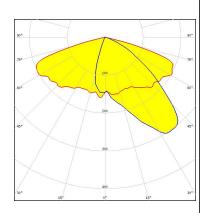
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 64 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C17677_STRADA-2X2-SHD-BLK



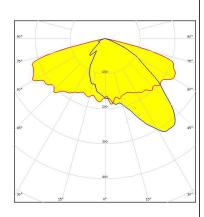
Protective plate, glass

OSRAM Opto Semiconductore

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass



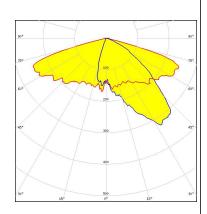
Light distribution files

OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 73 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C17677_STRADA-2X2-SHD-BLK



OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 79 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files

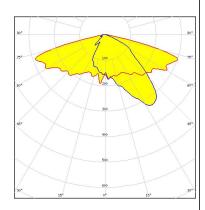
Protective plate, glass

OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 69 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

OPTICAL RESULTS (SIMULATED):

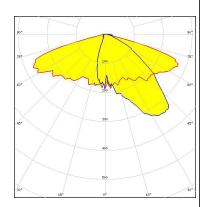
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric
Efficiency 79 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C17580_STRADA-2X2-SHD-WHT

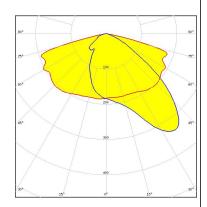


Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



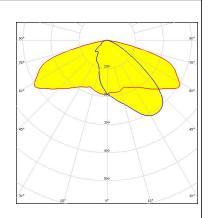
Protective plate, glass

PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass



Light distribution files

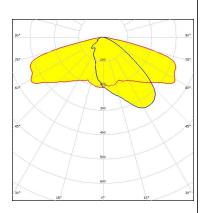
OPTICAL RESULTS (SIMULATED):

PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



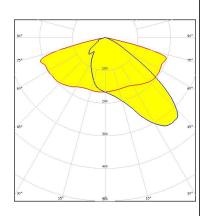
Light distribution files

SAMSUNG

LED HiLOM RH12 Z (LH351C)

FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

Protective plate, glass

SAMSUNG

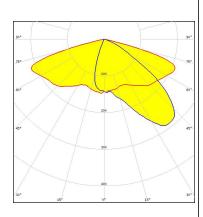
LED LH231B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

SAMSUNG

LFD LH351C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ Asymmetric Efficiency 64 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

C17677_STRADA-2X2-SHD-BLK



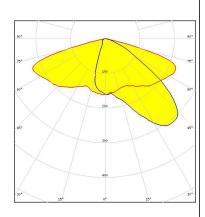
Protective plate, glass

SAMSUNG

LH351C LFD FWHM / FWTM Asymmetric Efficiency 71 % 0.5 cd/lm Peak intensity LEDs/each optic Light colour/type White

Required components:

C17580_STRADA-2X2-SHD-WHT



Protective plate, glass

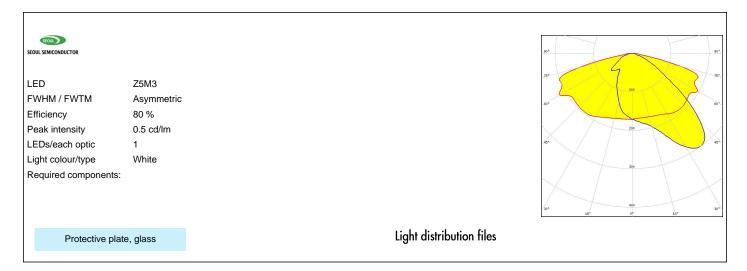
SAMSUNG

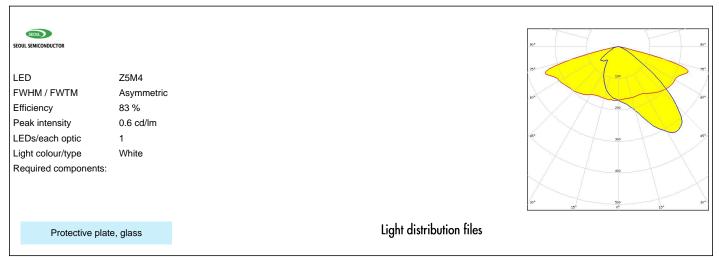
LH351D FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic Light colour/type White

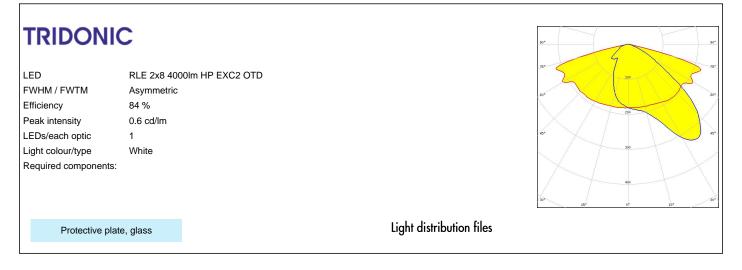
Required components:

Light distribution files

Protective plate, glass









TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM / FWTM Asymmetric

Efficiency 76 %

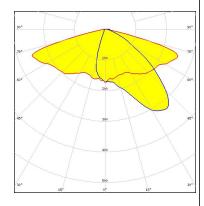
Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

C17677_STRADA-2X2-SHD-BLK



Published: 28/10/2020



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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