

STRADA-2X2-ME

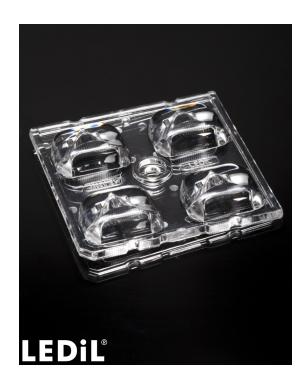
Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less the pole height

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm Height 7.1 mm

Fastening glue, pin, screw

ves 🕕 **ROHS** compliant



MATERIAL SPECIFICATIONS:

Finish Component **Type** Material Colour

PMMA STRADA-2X2-ME Multi-lens clear

ORDERING INFORMATION:

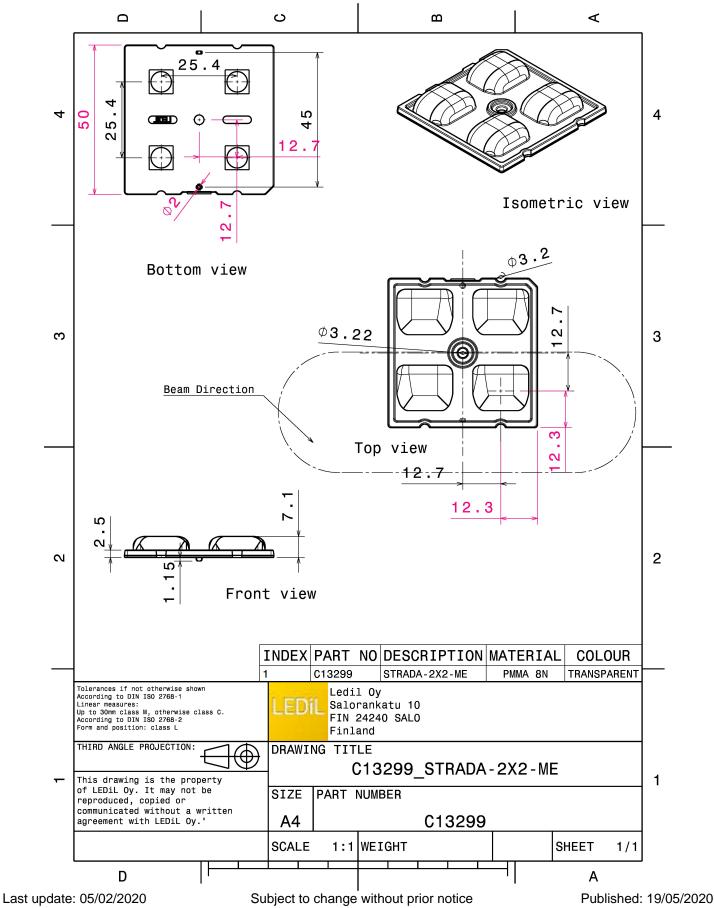
» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ Box weight (kg)

C13299_STRADA-2X2-ME 800 160 160 7.9

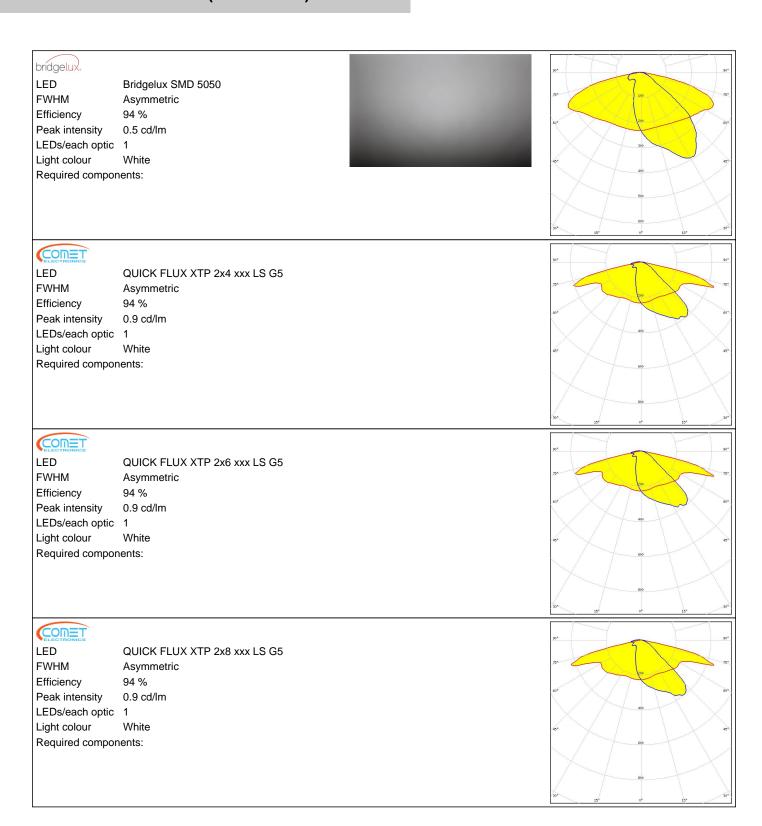
Published: 19/05/2020 Last update: 05/02/2020 Subject to change without prior notice 1/27







PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):

CREE \$

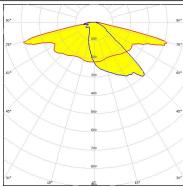
LED XB-D

FWHM Asymmetric

Efficiency 94 %

Peak intensity 1.2 cd/lm

LEDs/each optic 1 Light colour White Required components:



CREE 🕏

LED XD16

FWHM Asymmetric

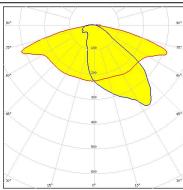
Efficiency 94 %

Peak intensity 0.6 cd/lm

LEDs/each optic 4

Light colour White

Required components:



CREE 💠

LED XD16

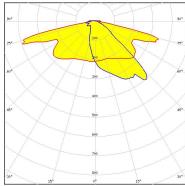
FWHM Asymmetric

Efficiency 94 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1 Light colour White

Required components:



CREE 🕏

LED XM-L

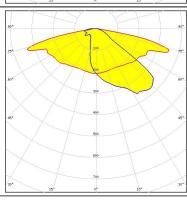
FWHM Asymmetric

Efficiency 94 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1 Light colour White

Required components:





PHOTOMETRIC DATA (MEASURED):

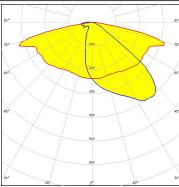
CREE \$

LED XM-L2 FWHM Asymmetric

Efficiency 94 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1 Light colour White Required components:



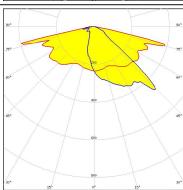
CREE 🕏

LED XP-E2 FWHM Asymme

FWHM Asymmetric Efficiency 94 %

Peak intensity 1.3 cd/lm LEDs/each optic 1

Light colour White Required components:



CREE 🕏

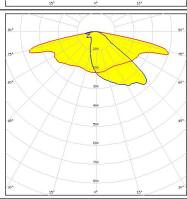
LED XP-G

FWHM Asymmetric

Efficiency 94 % Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White Required components:



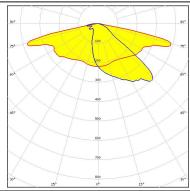
CREE 🕏

LED XP-G2

FWHM Asymmetric Efficiency 94 %

Efficiency 94 % Peak intensity 1.1 cd/lm

LEDs/each optic 1 Light colour White Required components:





PHOTOMETRIC DATA (MEASURED):

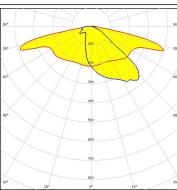
CREE \$

LED XP-G3 **FWHM** Asymmetric

94 % Efficiency

Peak intensity 0.9 cd/lm LEDs/each optic 1

Light colour White Required components:



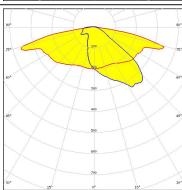
CREE &

LED XP-L HD

FWHM Asymmetric Efficiency 94 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1 White Light colour Required components:

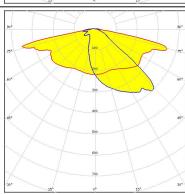


CREE ÷

LED XP-L HI

FWHM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1

Light colour White Required components:

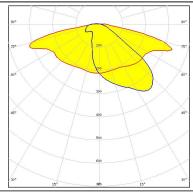


CREE \$

LED XP-L2 **FWHM** Asymmetric

Efficiency 94 % Peak intensity 0.6 cd/lm

LEDs/each optic 1 White Light colour Required components:





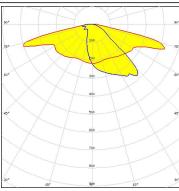
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CREE \$

LED **FWHM** Asymmetric

94 % Efficiency Peak intensity 1 cd/lm LEDs/each optic 1

Light colour White Required components:

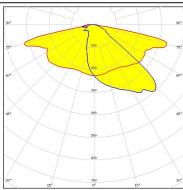


LG Innotek

LED H35C1 (LEMWA33)

FWHM Asymmetric 94 % Efficiency Peak intensity 0.9 cd/lm

LEDs/each optic 1 White Light colour Required components:

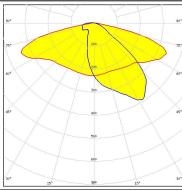


LUMILEDS

LED LUXEON 5050 Round LES

FWHM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1

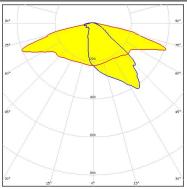
Light colour White Required components:



MUMILEDS

LED LUXEON MZ **FWHM** Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm

LEDs/each optic 1 White Light colour Required components:

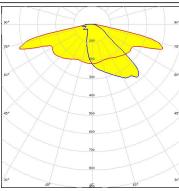




PHOTOMETRIC DATA (MEASURED):



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

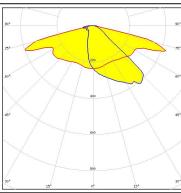


LUMILEDS

Required components:

LED LUXEON R **FWHM** Asymmetric 94 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour

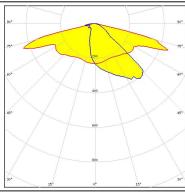
Required components:



LUMILEDS

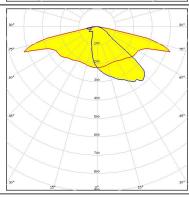
LED LUXEON Rebel ES

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



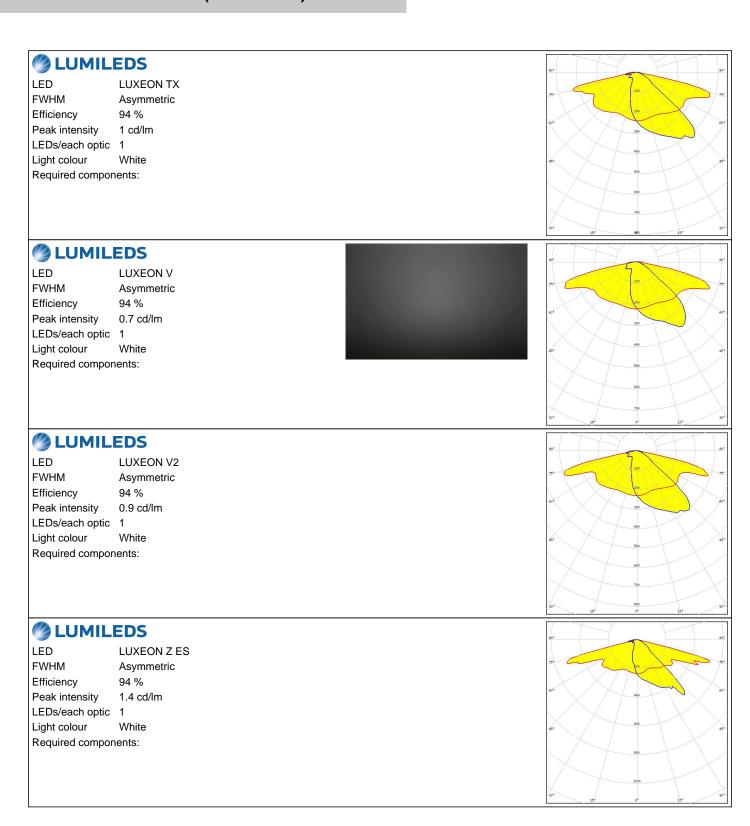
MUMILEDS

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





PHOTOMETRIC DATA (MEASURED):

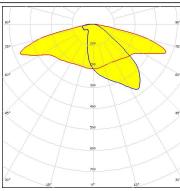




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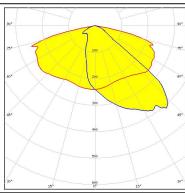
WNICHIA

LED NS9x383
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



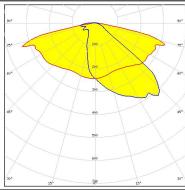
WNICHIA

LED NVSW219D
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



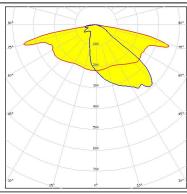
WNICHIA

LED NVSW219D
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

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

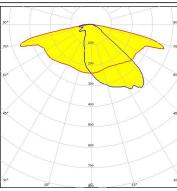




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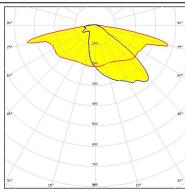
WNICHIA

LED NVSW219F **FWHM** Asymmetric 97 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:



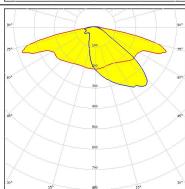
WNICHIA

LED NVSW319B **FWHM** Asymmetric 94 % Efficiency Peak intensity 0.8 cd/lm LEDs/each optic 1 White Light colour Required components:



WNICHIA

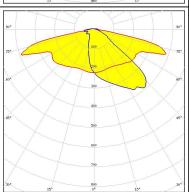
LED NVSW3x9A **FWHM** Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:



WNICHIA

LED NVSxx19B/NVSxx19C

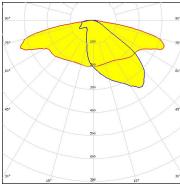
FWHM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour Required components:



PHOTOMETRIC DATA (MEASURED):

WNICHIA

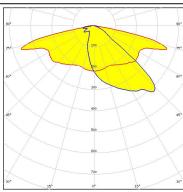
LED NWSx229A **FWHM** Asymmetric 94 % Efficiency Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White



Required components:

LED PrevaLED Brick HP 2x8

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



OSRAM Opto Semiconductors

LED Duris S8 **FWHM** Asymmetric Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White

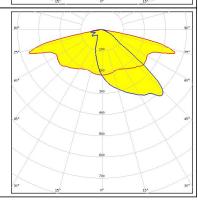
Required components:



OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

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





PHOTOMETRIC DATA (MEASURED):

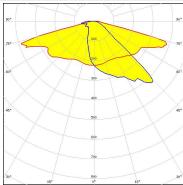
OSRAM

Opto Semiconductors
LED

OSLON Square PC

FWHM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1

Light colour White Required components:

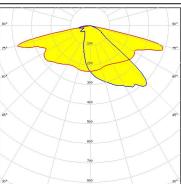


PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Light colour White Required components:

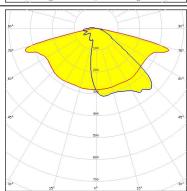


PHILIPS

Required components:

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

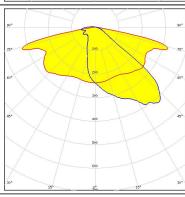


SAMSUNG

LED HiLOM RH16 (LH351C)

FWHM Asymmetric

Efficiency %
LEDs/each optic 1
Light colour White
Required components:





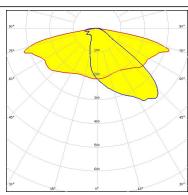
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LH351B LED **FWHM** Asymmetric Efficiency 94 %

Peak intensity 0.7 cd/lm

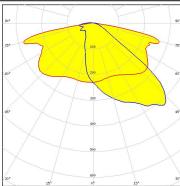
LEDs/each optic 1 Light colour White Required components:



LED LH351C **FWHM** Asymmetric

94 % Efficiency Peak intensity 0.7 cd/lm

LEDs/each optic 1 White Light colour Required components:

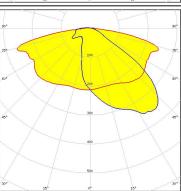


SAMSUNG

LED LH351D **FWHM** Asymmetric

Efficiency 94 % Peak intensity 0.6 cd/lm

LEDs/each optic 1 Light colour White Required components:

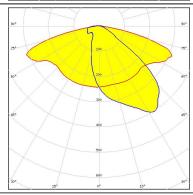


SAMSUNG

LED LH508A **FWHM** Asymmetric Efficiency 94 %

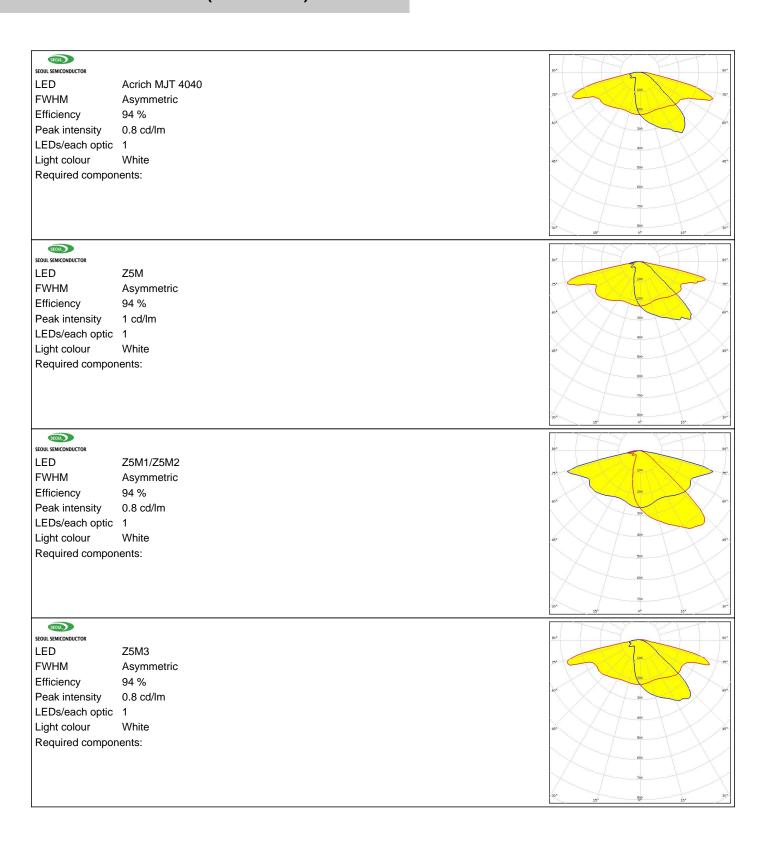
Peak intensity 0.5 cd/lm

LEDs/each optic 1 White Light colour Required components:



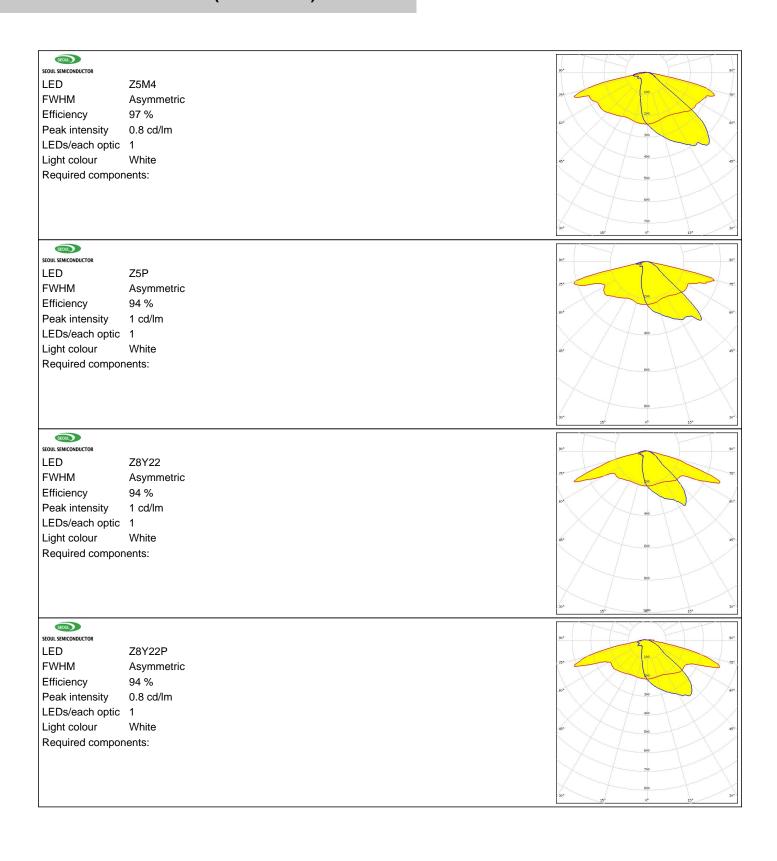


PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):



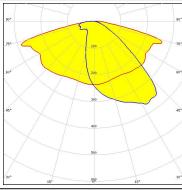


PHOTOMETRIC DATA (MEASURED):

TOSHIBA

Leading Innovati

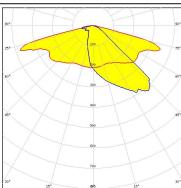
LED TL1L3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TOSHIBA

Leading Innovation >>

LED TL1L4
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

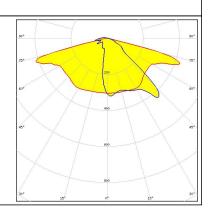
LED RLE 2x4 2000lm HP EXC2 OTD

FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED RLE 2x8 4000lm HP EXC2 OTD

FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



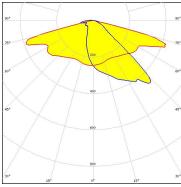


PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

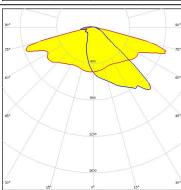
FWHM Asymmetric 94 % Efficiency Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

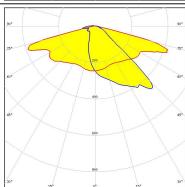
FWHM Asymmetric 94 % Efficiency Peak intensity 1.1 cd/lm LEDs/each optic 1 White Light colour Required components:



TRIDONIC

RLE G1 49x223mm 4000lm xxx EXC OTD LED

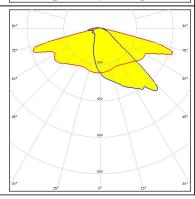
FWHM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 White Light colour Required components:





PHOTOMETRIC DATA (SIMULATED):

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LED J Series 5050 **FWHM** Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour White

CREE 🚓

Required components:

LED XB-H **FWHM** Asymmetric Efficiency 91 % LEDs/each optic 1 White Light colour

CREE ÷

Required components:

LED XHP35 HD **FWHM** Asymmetric Efficiency 90 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour White

CREE 💠

Required components:

LED XHP35 HI **FWHM** Asymmetric Efficiency 92 % LEDs/each optic Light colour White Required components:

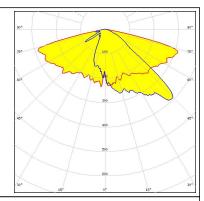


PHOTOMETRIC DATA (SIMULATED):

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LED XP-G2 **FWHM** Asymmetric Efficiency 86 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour White Required components:

Transparent protective cover



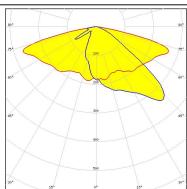
CREE ÷

LED XP-G2 HE **FWHM** Asymmetric 92 % Efficiency Peak intensity 0.6 cd/lm LEDs/each optic 1 White Light colour Required components:

CREE ÷

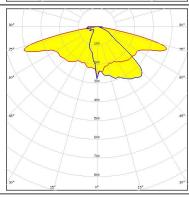
LED XP-G3 **FWHM** Asymmetric Efficiency 78 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour White Required components:

Transparent protective cover



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LED XP-G3 **FWHM** Asymmetric Efficiency 90 % 0.7 cd/lm Peak intensity LEDs/each optic White Light colour Required components:





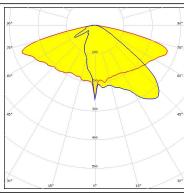
PHOTOMETRIC DATA (SIMULATED):

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LED XP-L2 **FWHM** Asymmetric 80 % Efficiency Peak intensity 0.4 cd/lm LEDs/each optic Light colour White

Required components:

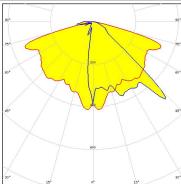
Transparent protective cover



CREE ÷

XQ-E HD LED **FWHM** Asymmetric Efficiency 90 %

LEDs/each optic 1 White Light colour Required components:



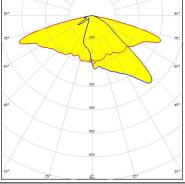
CREE ÷

LED XT-E

FWHM Asymmetric Efficiency 80 % Peak intensity 0.6 cd/lm

LEDs/each optic Light colour White Required components:

Transparent protective cover

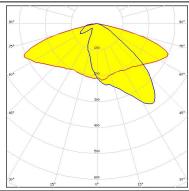


LUMILEDS

LED LUXEON 5050 Round LES

FWHM Asymmetric Efficiency 84 % Peak intensity 0.5 cd/lm LEDs/each optic White Light colour Required components:

Transparent protective cover



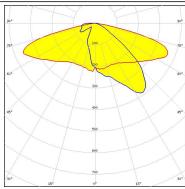


PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 5050 Square LES

FWHM Asymmetric Efficiency 95 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour White



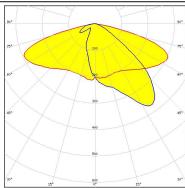
LUMILEDS

Required components:

LED LUXEON 5050 Square LES

FWHM Asymmetric 84 % Efficiency Peak intensity 0.5 cd/lm LEDs/each optic 1 White Light colour Required components:

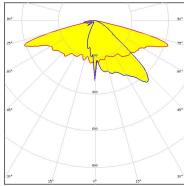
Transparent protective cover



LUMILEDS

LED LUXEON H50-2 **FWHM** Asymmetric

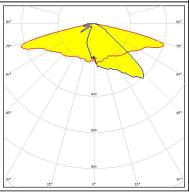
Efficiency % LEDs/each optic 1 Light colour White Required components:



MUMILEDS

LED LUXEON V2 **FWHM** Asymmetric Efficiency 95 % Peak intensity 0.9 cd/lm LEDs/each optic

White Light colour Required components:



22/27

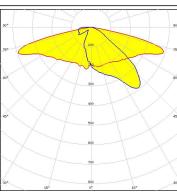


PHOTOMETRIC DATA (SIMULATED):

WNICHIA LED NV4WB35AM **FWHM** Asymmetric Efficiency

94 % Peak intensity 0.7 cd/lm LEDs/each optic

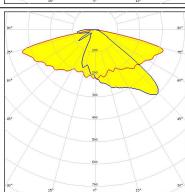
Light colour White Required components:



WNICHIA

LED NVSW219D **FWHM** Asymmetric 92 % Efficiency Peak intensity 0.7 cd/lm

LEDs/each optic 1 White Light colour Required components:

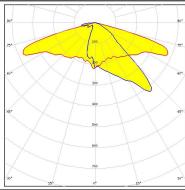


WNICHIA

LED NVSxE21A **FWHM** Asymmetric Efficiency 83 % Peak intensity 0.7 cd/lm

LEDs/each optic Light colour White Required components:

Transparent protective cover

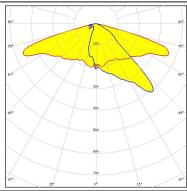


WNICHIA

LED NVSxE21A **FWHM** Asymmetric Efficiency 80 % Peak intensity 0.7 cd/lm LEDs/each optic

White Light colour Required components:

Transparent protective cover





PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED NVSxx19B/NVSxx19C

FWHM Asymmetric 82 % Efficiency Peak intensity 0.5 cd/lm LEDs/each optic Light colour White

Transparent protective cover

Required components:

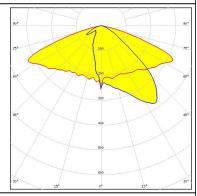
OSRAM Opto Semiconductors

LED Duris S8 **FWHM** Asymmetric 83 % Efficiency

Peak intensity 0.5 cd/lm LEDs/each optic 1

White Light colour Required components:

Transparent protective cover

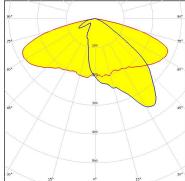


OSRAM Opto Semiconductors

LED Duris S8 **FWHM** Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm

LEDs/each optic Light colour White Required components:

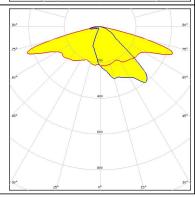
Transparent protective cover



OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM Asymmetric Efficiency 92 % 0.7 cd/lm Peak intensity LEDs/each optic White Light colour Required components:





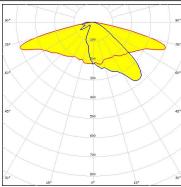
PHOTOMETRIC DATA (SIMULATED):

OSRAM

LED

OSCONIQ P 3737 (3W version)

FWHM Asymmetric 94 % Efficiency Peak intensity 0.7 cd/lm LEDs/each optic Light colour White Required components:



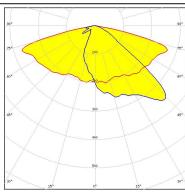
OSRAM Opto Semiconductors

LED

OSLON Square CSSRM2/CSSRM3

FWHM Asymmetric 80 % Efficiency Peak intensity 0.5 cd/lm LEDs/each optic 1 White Light colour Required components:

Transparent protective cover

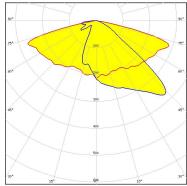


OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour White Required components:

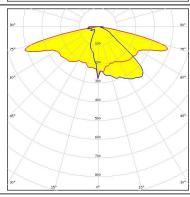
Transparent protective cover



PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM Asymmetric Efficiency 93 % LEDs/each optic White Light colour Required components:





PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH351B **FWHM**

Asymmetric 79 % Efficiency

Peak intensity 0.4 cd/lm

LEDs/each optic Light colour White

Required components:

Transparent protective cover

SAMSUNG

LED LH508A

FWHM Asymmetric 84 % Efficiency

Peak intensity 0.5 cd/lm

LEDs/each optic 1 White Light colour

Required components:

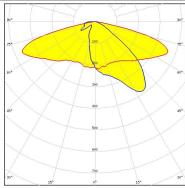
Transparent protective cover



LED SEOUL DC 5050 6V

FWHM Asymmetric Efficiency 95 % Peak intensity 0.6 cd/lm

LEDs/each optic Light colour White Required components:

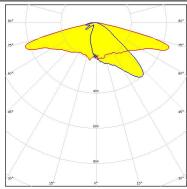




LED Z5M3 **FWHM** Asymmetric Efficiency 95 %

0.9 cd/lm Peak intensity LEDs/each optic

White Light colour Required components:



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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.

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