

### STRADA-2X2-T1

Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance and tilted armature

#### **TECHNICAL SPECIFICATIONS:**

Dimensions 50.0 mm

7.8 mm

ROHS compliant

Height

Fastening

pin, screw yes 🛈

#### **MATERIAL SPECIFICATIONS:**

Component STRADA-2X2-T1

Туре
Multi-lens

LEDil

STRADA-2X2-T1	Multi-lens	PMMA	clear
ORDERING INFORMATION:			
_			

Material

### Component C15135\_STRADA-2X2-T1

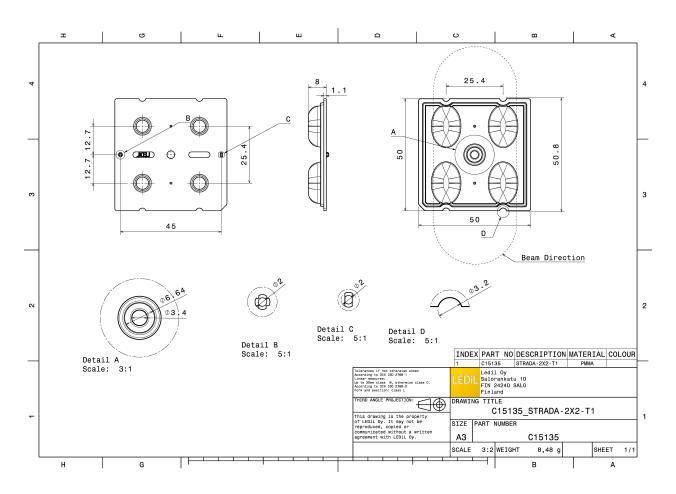
» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	6.9

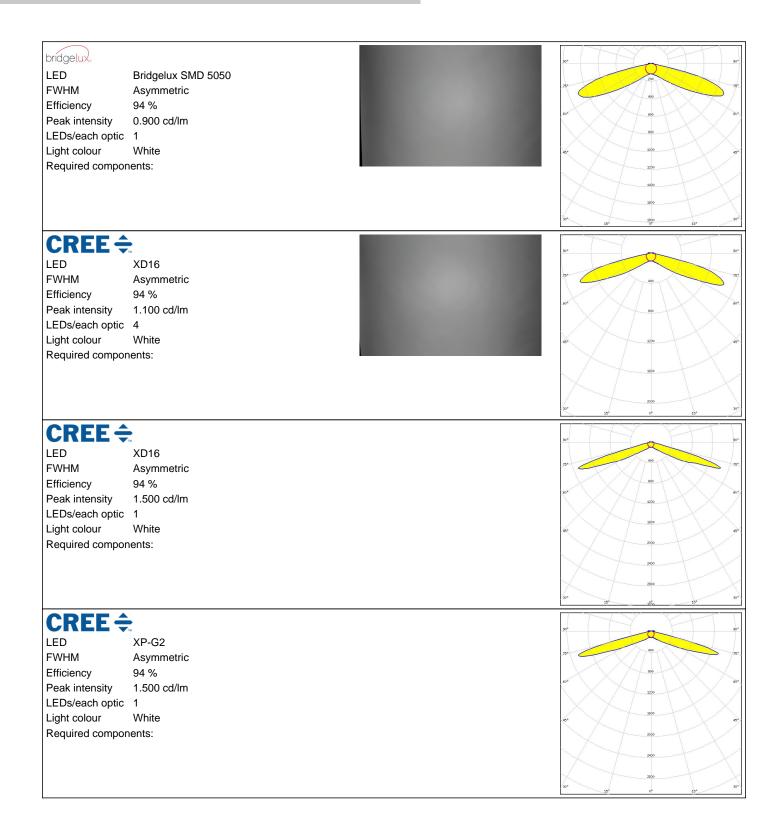
Colour

Finish



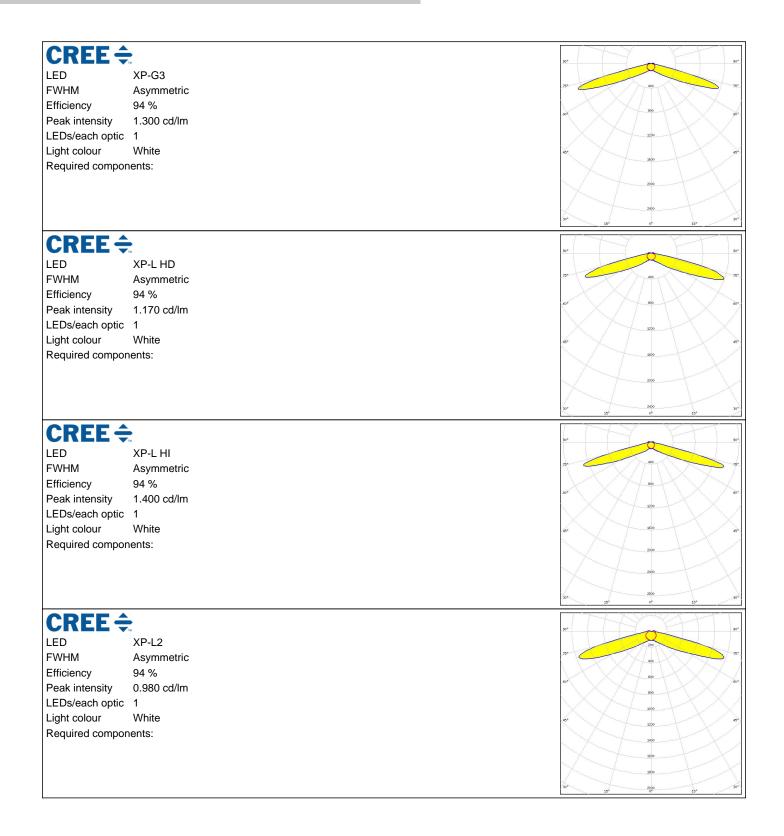






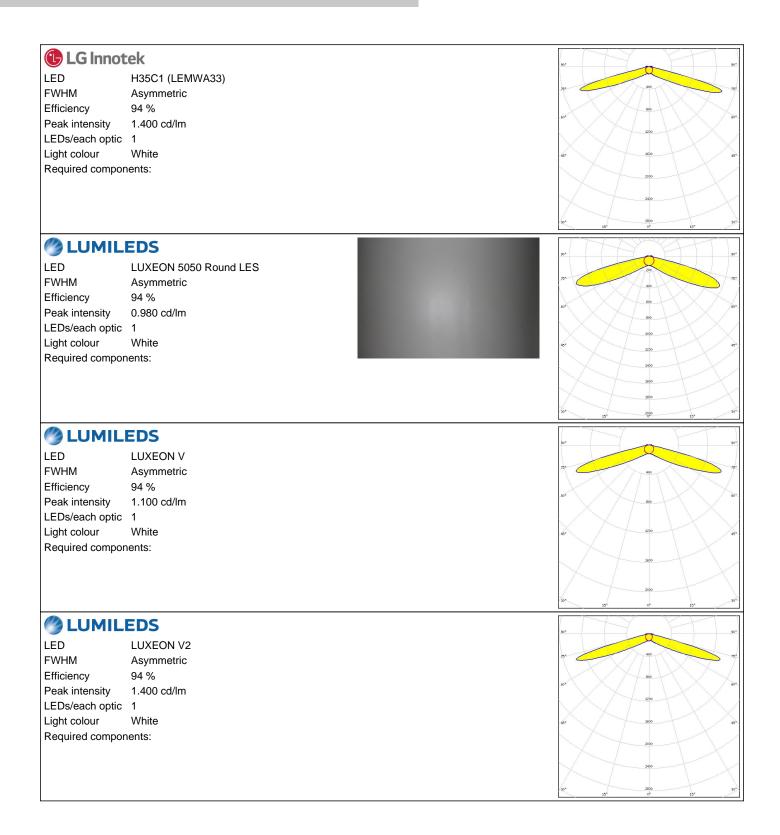


#### PHOTOMETRIC DATA (MEASURED):



Last update: 07/12/2019Subject to change without prior noticePublished: 09/07/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.4/15







<b>Ø</b> NICHIΛ		90* 90*
LED	NVSW219D	
FWHM	Asymmetric	75* 400 75*
Efficiency	94 %	
Peak intensity	1.300 cd/lm	.60°
LEDs/each optic		1220
Light colour	White	
Required compor		1600
		2000
		2430
		30° 45 <sup>2</sup> 0° 15° 30°
<b>ØNICHIA</b>		0,°
LED	NVSW319B	
FWHM	Asymmetric	75 400 75.
Efficiency	94 %	
Peak intensity	1.300 cd/lm	60° 60°
LEDs/each optic		1220
Light colour	White	
Required compor		1500 00
		2030
		30° 15° 30°
<b>Ø</b> NICHIΛ		
LED	NVSW3x9A	90° 90°
FWHM	Asymmetric	75* 400 78*
Efficiency	94 %	
Peak intensity	1.300 cd/lm	60 <sup>4</sup> 900 60 <sup>4</sup>
LEDs/each optic		
Light colour	White	
Required compor		45" 45"
	6113.	
		2000
		2430
		30° 15° 30°
<b>Μ</b> ΝΙCΗΙΛ		
LED	NVSxE21A	No.
FWHM	Asymmetric	75* 400 75*
Efficiency	94 %	
Peak intensity	2.050 cd/lm	.52 <sup>4</sup> 1220 69 <sup>4</sup>
		1620
I EDs/each ontic		
LEDs/each optic		200
Light colour	White	45° 2009 55°
	White	45* 45*
Light colour	White	-6° - 2000 - 5°
Light colour	White	
Light colour	White	



<b>NICHIA</b> LED FWHM	NVSxx19B/NVSxx19C Asymmetric	91° 91° 201 - 100 - 100
Efficiency	94 %	
Peak intensity	1.400 cd/lm	.50* 60*
LEDs/each optic		120
Light colour	White	45* 1600 45*
Required compor		
		2000
		2400
		30° 139 <sup>4</sup> 0° 15* 30°
OSRAM		90'
LED	PrevaLED Brick HP 2x8	
FWHM	Asymmetric	25 400 500
Efficiency	94 %	
Peak intensity	1.400 cd/lm	60° 60°.
LEDs/each optic	1	$\times \times / \top \times \times$
Light colour	White	45° 65°
Required compor	ents:	2000
		2400
		2000
OCDAM		
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM	Asymmetric	75 400 5.
Efficiency	94 %	
Peak intensity	1.400 cd/lm	60° 60°
LEDs/each optic	1	$\times \times / \top \setminus \times \times$
Light colour	White	45° 1600 45°
Required compor		40. X 40.
	ents:	200
	ents:	
	ents:	200
	ents:	
	ents:	5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
OSRAM Opto Semiconductors		92° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
OSRAM Opto Semiconductors LED	OSLON Square PC	
OSRAM Opto Semiconductors LED FWHM	OSLON Square PC Asymmetric	200 200 200 200 200 200 200 200 200 200
OSRAM Opto Semiconductors LED FWHM Efficiency	OSLON Square PC Asymmetric 94 %	
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity	OSLON Square PC Asymmetric 94 % 1.600 cd/lm	209 209 209 209 209 209 209 209 209 209
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1	209 209 209 209 209 209 209 209 209 209
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1 White	209 209 209 209 209 209 209 209 209 209
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1 White	209 209 209 209 209 209 209 209 209 209
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1 White	2009 2009 2009 2009 2009 2009 2009 2009
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1 White	2009 2009 2009 2009 2009 2009 2009 2009
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Square PC Asymmetric 94 % 1.600 cd/lm 1 White	2009 2009 2009 2009 2009 2009 2009 2009



	S	
	Fortimo FastFlex LED 2x8 DA G4	30*
FWHM	Asymmetric	250 400
Efficiency	94 %	800
Peak intensity	1.400 cd/lm	604
LEDs/each optic		1230
Light colour	White	at 100
Required compor		
. toquirou compor		2000
		200
		2000
		30° 15° 0° 15°
SAMSU	NG	80*
LED	HiLOM RH16 (LH351C)	
FWHM	Asymmetric	271 400
Efficiency	94 %	
Peak intensity	1.400 cd/lm	60*
LEDs/each optic		1200
Light colour	White	65° 1639
Required compor	ents:	
		2000
		2150
		30° 3800 15°
SAMSU	NG	90*
LED	LH351B	
FWHM	Asymmetric	75* 400
Efficiency	94 %	
Peak intensity	1.320 cd/lm	
	1	1200
LEDs/each optic	1 White	5° 100
LEDs/each optic Light colour Required compor	White	e7 100
LEDs/each optic Light colour	White	67 1500
LEDs/each optic Light colour	White	57 <u>100</u> 59 <u>100</u> 300
LEDs/each optic Light colour	White	4 <sup>7</sup> 10 <sup>9</sup>
LEDs/each optic Light colour Required compor	White	5° 100 300 300 300 300 300 300 300 300 300
LEDs/each optic Light colour Required compor	White ents:	6° 100 000 000 000 000 000 000 000 000 000
LEDs/each optic Light colour Required compor seous semiconductor LED	Z5M3	5° 100 30° 100 100 100 100 100 100 100 1
LEDs/each optic Light colour Required compor scoul semiconouctor LED FWHM	White ents: Z5M3 Asymmetric	5° 120 5° 120 30° 1
LEDs/each optic Light colour Required compor STOUL SEMICONDUCTOR LED FWHM Efficiency	White ents: Z5M3 Asymmetric 94 %	
LEDs/each optic Light colour Required compor SEQUE SEMICONDUCTOR LED FWHM Efficiency Peak intensity	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm	67 <u>109</u> 309 309 309 309 309 309 309 309 309 309
LEDs/each optic Light colour Required compor SEQUE SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm 1	67 <u>109</u> 309 309 309 309 309 309 309 309 309 309
LEDs/each optic Light colour Required compor STOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm 1 White	6°
LEDs/each optic Light colour Required compor	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm 1 White	6°
LEDs/each optic Light colour Required compor STOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm 1 White	6°
LEDs/each optic Light colour Required compor SERVICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	White ents: Z5M3 Asymmetric 94 % 1.300 cd/lm 1 White	6°



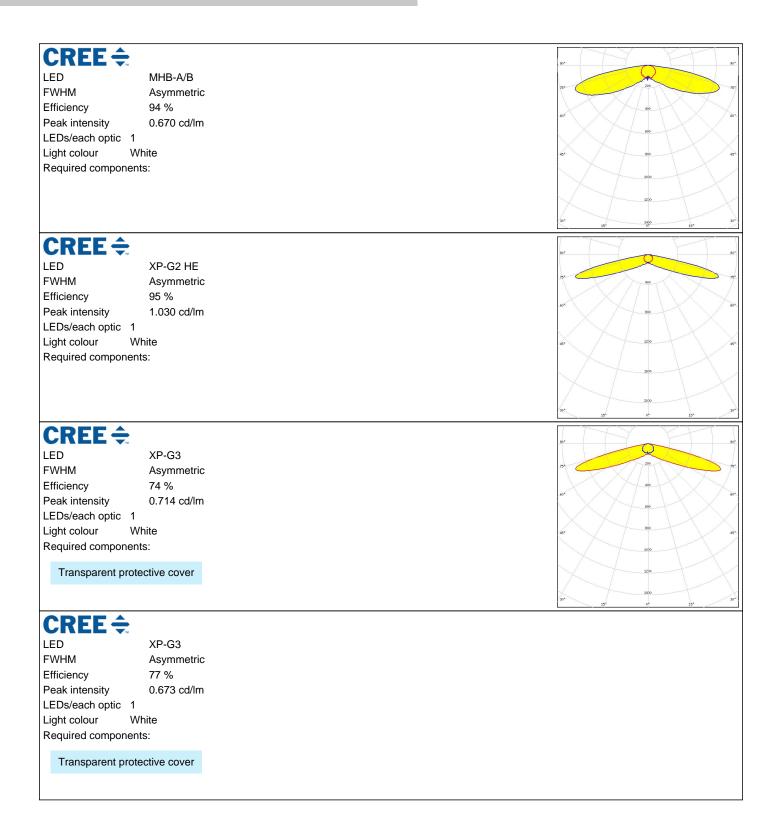
SEOUL		
seoul semiconductor	Z8Y22	<u>90*</u>
	Asymmetric	770 400 770
	94 %	80
	1.600 cd/lm	50 <sup>4</sup> 50 <sup>4</sup>
LEDs/each optic		
	White	1650
Required compon		2000
	Sino.	200
		2000
		30° 25 <sup>5</sup> 3800 15° 30°
		90* 90*
LED	Z8Y22P	
FWHM	Asymmetric	75* 400 76*
	94 %	
Peak intensity	1.300 cd/lm	
LEDs/each optic	1	1230
Light colour	White	6° g*
Required compon	ents:	1500
		2000
		200
TRIDON		<u>1193</u> 096 1194
	RLE 2x4 2000lm HP EXC2 OTD	
	Asymmetric	
	94 %	
	1.500 cd/lm	
LEDs/each optic Light colour	White	
Required compon		
	ents.	
	10	
TRIDON	IC	90°
	RLE 2x8 4000lm HP EXC2 OTD	
	Asymmetric	75* 400 76*
Efficiency	94 %	
	1.500 cd/lm	60* 60*
LEDs/each optic		$ X \times     \times                              $
Light colour	White	6°
Required compon	ents:	200
		2800
1		
		2000 30° 30°



TRIDON		90 <sup>6</sup>
LED	RLE G1 49x121mm 2000lm xxx EXC OTD	
FWHM	Asymmetric	75* 400 75
Efficiency	94 %	
Peak intensity	1.400 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic		120
	White	$X \times I \times X$
Light colour		e5° 1690 e5'
Required compor	ents:	2000
		2430
		30° 2800 30° 30°
TRIDON		
		90* 90*
LED	RLE G1 49x133mm 2000lm xxx EXC OTD	
FWHM	Asymmetric	
Efficiency	94 %	50° 500 50°
Peak intensity	1.400 cd/lm	200
LEDs/each optic	1	
Light colour	White	42. 3330 42.
Required compor	ients:	
		4000
		30° 5500 30° 30° 30°
TRIDON		
LED		
	RLF G1 49x223mm 4000lm xxx EXC OTD	
	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric	25 400 781
FWHM	Asymmetric	23·
FWHM Efficiency	Asymmetric 94 %	5° 60 50
FWHM Efficiency Peak intensity	Asymmetric 94 % 1.400 cd/lm	129 90 90 90 90 90 90
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.400 cd/lm 1	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White	62, 160 64, 17,0 12,0 10,1 10,0 10,0 10,0 10,0 10,0 10
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.400 cd/lm 1 White	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.400 cd/lm 1 White ents:	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.400 cd/lm 1 White lents:	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.400 cd/lm 1 White ents: RLE G1 49x245mm 4000lm xxx EXC OTD	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.400 cd/lm 1 White ents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.400 cd/lm 1 White ents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 %	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity	Asymmetric 94 % 1.400 cd/lm 1 White eents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.400 cd/lm 1 White tents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1	$X \times T \times X$
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White vents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.400 cd/lm 1 White vents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1 White	6° 199 6° 209 5° 209 5° 200 5°
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White vents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White vents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.400 cd/lm 1 White vents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.400 cd/lm 1 White	



#### PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET

C15135\_STRADA-2X2-T1



### PHOTOMETRIC DATA (SIMULATED):

CREE ≑	
LED XT-E FWHM Asymmetric	9° - 9° 78 - 60 - 7°
Efficiency 90 % Peak intensity 1.200 cd/lm	60 <sup>4</sup> 800 60 <sup>4</sup>
LEDs/each optic 1	1200
Light colour White	5° 6'
Required components:	1090
	200
	20* 15* 0° 15* 20*
<i>𝔅</i> NICHIΛ	96* 99*
LED NF3W585AR	
FWHM Asymmetric	73%
Efficiency 94 %	60° (60°
Peak intensity 1.081 cd/lm LEDs/each optic 1	
Light colour White	45° 1200 45°
Required components:	
	1000
	30* 30*
<b>Μ</b> ΝΙCΗΙΛ	
	90* 90*
LED NV4WB35AM	200
	77°
FWHM Asymmetric	73
Efficiency 95 %	.60 <sup>4</sup> 600 60*.
Efficiency 95 % Peak intensity 0.970 cd/lm	60 - 60 - 60 - 60 - 60 - 60 - 60 - 60 -
Efficiency95 %Peak intensity0.970 cd/lmLEDs/each optic1	50 <sup>4</sup> 600 (0)1
Efficiency95 %Peak intensity0.970 cd/lmLEDs/each optic1	50° 000 000 000 000 000 000 000 000 000 0
Efficiency95 %Peak intensity0.970 cd/lmLEDs/each optic1Light colourWhite	64 69 69 67 67 67 67 67 67 67
Efficiency95 %Peak intensity0.970 cd/lmLEDs/each optic1Light colourWhite	50° 000 000 000 000 000 000 000 000 000 0
Efficiency95 %Peak intensity0.970 cd/lmLEDs/each optic1Light colourWhite	63 <sup>4</sup> 069 060 05 <sup>4</sup> 1299 05 <sup>4</sup> 1290 05 <sup>4</sup> 1500 1500
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components: OSRAM	6,4
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	6,4
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	6,4
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	6,4
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:	

PRODUCT DATASHEET

C15135\_STRADA-2X2-T1



### PHOTOMETRIC DATA (SIMULATED):

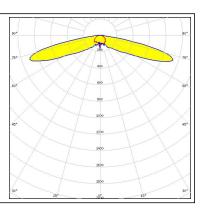
OSRAM Opto Semiconductors		50* 0×*
LED	Duris S8	
	Asymmetric	73* 200 73*
Efficiency	93 %	460
	0.850 cd/lm	. 60 <sup>4</sup> 600 60 <sup>4</sup>
	0.650 CQ/III	
LEDs/each optic 1	14 -	
Light colour Wh		45* 1000 45*
Required components		1200
		14:00
		1600
		30° 15° 0° 15° 30°
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (3W version)	200 200 200
FWHM	Asymmetric	73°
Efficiency	94 %	51 <sup>5</sup>
•	0.960 cd/lm	
LEDs/each optic 1		1000
Light colour Wh		45* 1200 45*
Required components	:	3450
		1600
		1800
		15° 2000 15°
<b>PHILIPS</b>		30* 90*
LED	Fortimo FastFlex LED 2x8 DAX G4	
	Asymmetric	75° 70°
	94 %	
	0.930 cd/lm	50* 50* 50*
LEDs/each optic 1		
Light colour Wh	ite	1000
Required components		1200
		1490
		1600
		1800
		30° 13 <sup>5</sup> 2850 15° 30°
SAMSUN	G	MA KHT
		90* 90*
	LH351B	7,0 200 77
	Asymmetric	$\mathbb{N} \times \mathbb{X} / \mathbb{N} \times \mathbb{X} / \mathbb{N}$
Efficiency	78 %	504 460 504
	0.701 cd/lm	X / so X X
LEDs/each optic 1		$X \times I \times X$
Light colour Wh		45* 000 45'
Required components		1000
Tropoporant proto	tive cover	
Transparent protec		1220
		30* 1490 30*
Transparent protect	tive cover	120 32 32 32 4 4 30 32 4 32 32 32 32 32 32



### PHOTOMETRIC DATA (SIMULATED):

# SAMSUNG

LED	LH351D
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.940 cd/lm
LEDs/each optic	1
Light colour	White
Required compor	ients:





#### **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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#### **LEDiL Oy**

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