

# STRADA-IP-2X6-DWC-90

Universal road lighting (typically IESNA Type III medium) beam with excellent mixed illuminance and luminance uniformity. Variant with beam direction rotated 90°.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	71.4 x 173.0 mm
Height	9 mm
Fastening	screw
ROHS compliant	yes 🛈



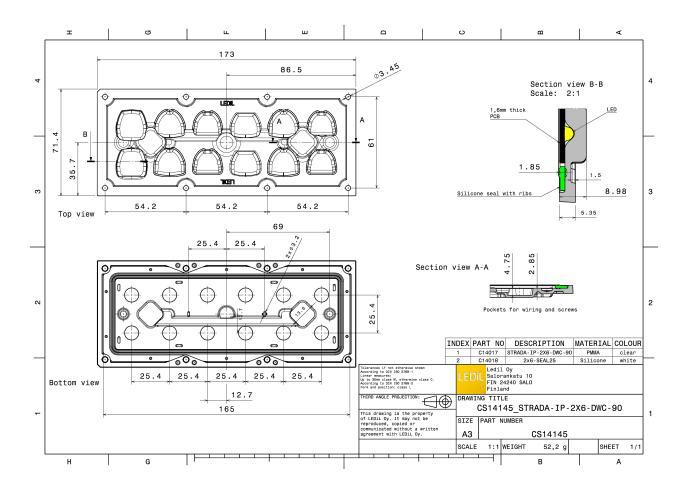
## MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-IP-2X6-DWC-90	Multi-lens	PMMA	clear	
2X6-SEAL25	Seal	Silicone	white	

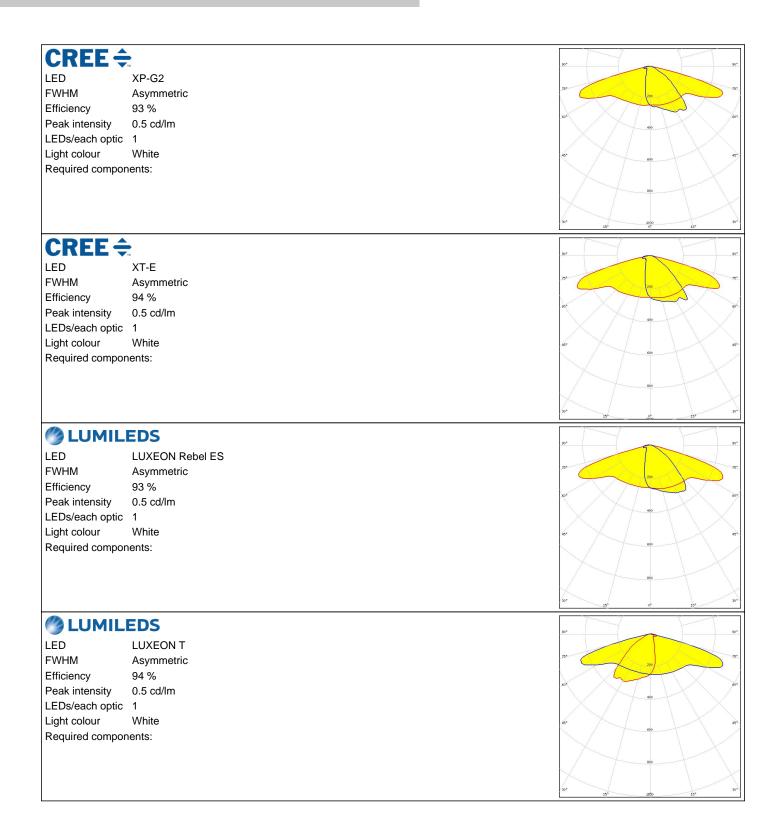
## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14145_STRADA-IP-2X6-DWC-90	Multi-lens	120	40	40	7.3
» Box size: 476 x 273 x 247 mm					

# E D E R PRODUCT DATASHEET S14145\_STRADA-IP-2X6-DWC-90









C LUMIL	EDS	90* 90*
LED	LUXEON TX	
FWHM	Asymmetric	75* 200 75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic		$\times$ / $\top$ $\times$
Light colour	White	45*
Required compor		
		00
		30° 1000 30° 30° 15° 30°
<b>Ø</b> ΝΙCΗΙΛ		90* 90*
LED	NVSW3x9A	100
FWHM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60° 000 60°
LEDs/each optic	1	40
Light colour	White	65° 500 65°
Required compor	ents:	600
		700
$\sim$		19 <sup>3</sup> <u>66</u> 19 <sup>4</sup>
<b><i>Μ</i>ΝΙCΗΙΛ</b>		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM	Asymmetric	75" 75"
Efficiency		200
Efficiency	94 %	200
Peak intensity	0.5 cd/lm	
Peak intensity LEDs/each optic	0.5 cd/lm 1	at
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents:	24°
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric	20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm	61° 600 60°
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1	60 60 60 60 60 60 60 60 60 60
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C Asymmetric 94 % 0.6 cd/lm 1 White	



OSRAM Opto Semiconductors		90* 90*
Opto Semiconductors	Duris S8	90° 90°
FWHM	Asymmetric	75* 100 75*
Efficiency	94 %	
Peak intensity	0.5 cd/lm	.614 200 604
LEDs/each optic		
Light colour	White	471 451
Required compor		400
		200
		30° <u>15</u> 0° 10° 30°
OSRAM Opto Semiconductors		90* 95*
LED	OSLON Square EC	
FWHM	Asymmetric	75* 200 75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	1.50°. 400 60°.
LEDs/each optic		
Light colour	White	45. 010 954
Required compor	ients:	$\times$
		$\times$
		30° 1000 30° 30°
OSRAM		
Opto Semiconductors	OSI ON Square PC	90* 90*
Opto Semiconductors	OSLON Square PC Asymmetric	50° 50°
Opto Semiconductors LED FWHM	Asymmetric	50° 50°
opto Semiconductors LED FWHM Efficiency		99* 97* 30 700 702 60* 60*
Opto Semiconductors LED FWHM	Asymmetric 94 % 0.6 cd/lm	50° 50° 70° 200 70° 60° 60°
opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	90° 90° 25° 00 00°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White	97 97 75 90 60 67 67 80 60 67
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	97 97 39 000 72 64 60 6A 67 00 67
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	90° 90° 200 90° 60° 809 60° 60° 60°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.6 cd/lm 1 White nents:	97 97 25 00 65 80 65 80 67 80 69 67 80 67 80 67 67 80 67 67 80 67 67 80 67 80 67 80 67 80 67 80 67 80 67 80 67 80 67 80 80 80 80 80 80 80 80 80 80 80 80 80
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.6 cd/lm 1 White tents:	
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.6 cd/lm 1 White vents: NG LH351Z	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.6 cd/lm 1 White vents:	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.6 cd/lm 1 White vents:	
opte semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White ments:	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White ments:	
opte semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hents:	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White hents:	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hents:	
opte semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hents:	



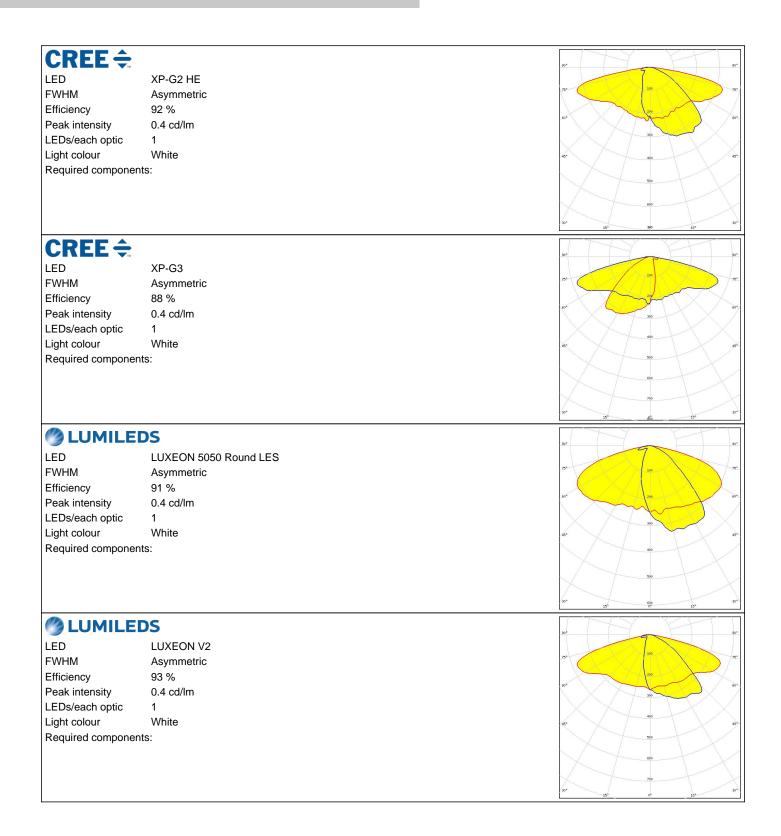
SEOUL		
seoul semiconductor	SMJQ-D36W12Mx	30° 90°
FWHM	Asymmetric	
Efficiency	93 %	604 604
Peak intensity	0.6 cd/lm	400
LEDs/each optic		
Light colour	White	6°. 67
Required compon	ients:	
		Die
		30° 15' 0° 15' 30°
SECUL)		
LED	Z5M3	
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon		
SECUL SEMICONDUCTOR LED FWHM	Z8Y22	90° - 90°
Efficiency	Asymmetric 92 %	
Peak intensity	0.6 cd/lm	60° 60°
LEDs/each optic		460
Light colour	White	45*
Required compon		
		$\times$
		200
		30* 30*
SEOUL		12 <sup>2</sup> 0 <sup>4</sup> 12 <sup>5</sup>
	70//000	90* 90*
LED	Z8Y22P	756 100 756
FWHM	Asymmetric	
Efficiency	94 %	403 V V V V V V V V V V V V V V V V V V V
Peak intensity	0.5 cd/lm	
LEDs/each optic	White	$X \times M \times X$
Light colour		(6° ) ) (6°
Required compon	ents.	in the second se
		70
		30° 15° 5% 10° 30°



TOSHIBA Leading Innovation >>>		<u>8</u> *
LED	TL1L4	
FWHM	Asymmetric	73° 200
Efficiency	91 %	
Peak intensity	0.5 cd/lm	50° 60°.
LEDs/each optic	1	X/T X
Light colour	White	45" 460 45"
Required compor	ents:	000
		990
		30° 15° 1880 15° 30°



## PHOTOMETRIC DATA (SIMULATED):





# PHOTOMETRIC DATA (SIMULATED):

<b>Μ</b> ΝΙCΗΙΛ		
LED	NV4WB35AM	90*
FWHM	Asymmetric	73
Efficiency	94 %	270
Peak intensity	94 % 0.4 cd/lm	.50*
	1	
LEDs/each optic Light colour	' White	
Required componer		47
Required componer	13.	500
		600
		710
		30* 13* 3
OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (3W version)	30*
FWHM	Asymmetric	73%
Efficiency	93 %	
Peak intensity	0.4 cd/lm	60° (
LEDs/each optic	1	
Light colour	White	45* 400
Required componer		
		200
		710
		30*
		12, 0, 12,
OSRAM Onto Semiconductors		<u>15</u> <sup>2</sup> 0 <sup>4</sup> 15 <sup>2</sup>
OSRAM Opto Semiconductors	OSI ON Square CSSRM2/CSSRM3	92* 0 <sup>4</sup> 35 <sup>5</sup>
LED	OSLON Square CSSRM2/CSSRM3 Asymmetric	
LED FWHM	Asymmetric	90° 329 329 329 329 329 329 329 329
LED FWHM Efficiency	Asymmetric 93 %	
LED FWHM Efficiency Peak intensity	Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 0.5 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 0.5 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 0.5 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSUI</b> LED FWHM Efficiency	Asymmetric 93 % 0.5 cd/lm 1 White tts: <b>VG</b> LH351B Asymmetric 93 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSU</b> LED FWHM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric 93 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1 White ts: <b>VG</b> LH351B Asymmetric 93 % 0.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSUI</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric 93 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric 93 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSUI</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric 93 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer <b>SAMSUI</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White ts: VG LH351B Asymmetric 93 % 0.4 cd/lm 1 White	



# PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR		90° 90°
LED	Z5M1/Z5M2	
FWHM	Asymmetric	75° 200
Efficiency	90 %	
Peak intensity	0.6 cd/lm	60° 60°.
LEDs/each optic	1	
Light colour	White	45* 500 45*
Required component	S:	$\times$
		800
		$\times$
		30* <u>1000</u> 0* 10* 30*
TOCHIDA		
TOSHIBA Leading Innovation >>>		90°
	TL1L2	8
Leading Innovation >>>	TL1L2 Asymmetric	751 200 751
Leading Innovation »» LED		100
Leading Innovation >>> LED FWHM Efficiency Peak intensity	Asymmetric	751 200 751
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 %	751 200 751
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.5 cd/lm 1 White	751 200 751
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.5 cd/lm 1 White	23
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.5 cd/lm 1 White	23
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.5 cd/lm 1 White	23
Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.5 cd/lm 1 White	23



#### **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.

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