

# PRODUCT DATASHEET CS16925\_STRADA-IP-8MX-DWC2-PC

# STRADA-IP-8MX-DWC2-PC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type II Medium. Variant made from PC.

### **SPECIFICATION:**

Dimensions	90.0 x 90.0 mm
Height	10.1 mm
Fastening	screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈



## **MATERIALS:**

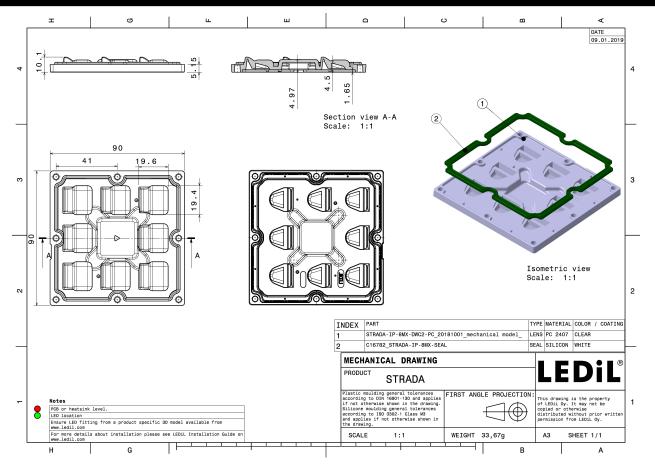
Component	Туре	Material	Colour	Finish
STRADA-IP-8MX-DWC2-PC	Multi-lens	PC	clear	
STRADA-IP-8MX-SEAL	Seal	Silicone	clear	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16925_STRADA-IP-8MX-DWC2-PC	Multi-lens	156	52	52	6.7
» Box size: 480 x 280 x 300 mm					



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



# **OPTICAL RESULTS (MEASURED):**

LUMIL			
	EDS	90*	FH
LED	LUXEON 5050 Round LES		90*
FWHM / FWTM	Asymmetric	750 100	700
Efficiency	90 %		
Peak intensity	0.5 cd/lm	504 24	604
LEDs/each optic	8	300	
Light colour	White		5
Required componer		400	407
required componer	ю.	500	
		600	
		30° 15° 0°	30*
LUMIL	EDS	MA	KHI
		90*	90*
LED	LUXEON 5050 Square LES	254	
FWHM / FWTM	Asymmetric		
Efficiency	90 %	604	604
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White	45+ 400	45*
Required componer	nts:		
		500	
		600	
		30° 15° 0°	15* 30*
	EDS		KHT
LED		90*	90*
	LUXEON 5050 Square LES	750	75
FWHM / FWTM	Asymmetric	75°	-75°
FWHM / FWTM Efficiency	Asymmetric 89 %	.751	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 89 % 0.4 cd/lm	27 - 100 44	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.4 cd/lm 1	27 - 140 201 201 200	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White	257 140 Ayr 000 1657 400	et et
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.4 cd/lm 1 White	25	et et
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White	25 Jan 44 Jan 50 Jan 50 Jan 50 Jan 50 Jan	Contraction of the second seco
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White	25	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White	25 - 100 40	172 25 64
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.4 cd/lm 1 White hts:		20 20 20 20 20 20 20 20 20 20 20 20 20 2
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.4 cd/lm 1 White hts:	275 500 200 200 200 200 200 200 200 200 200	23 28 C
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM		100 - 100 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 %		25 25 25 25 25 25 25 25 25 25 25 25 25 2
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Efficiency Peak intensity	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm		13° 3°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm 1		13 <sup>4</sup> 3 <sup>4</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Minimum Component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm 1 White		13° 3°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm 1 White		12 <sup>4</sup> 2 <sup>5</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Minimum Component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm 1 White		12 <sup>4</sup> 2 <sup>5</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Minimum Component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.4 cd/lm 1 White hts: NV4WB35AM Asymmetric 88 % 0.7 cd/lm 1 White		12 <sup>4</sup> 2 <sup>5</sup>



# **OPTICAL RESULTS (SIMULATED):**

		90° 900
LED	XHP35 HI	× G
FWHM / FWTM	Asymmetric	50
Efficiency	87 %	
Peak intensity	0.6 cd/lm	50*
LEDs/each optic	1	30
Light colour	White	45* 400 45
Required components:		$X \times X$
- 1 1		× 1 500
		60
		30* 700 30'   15 <sup>5</sup> 0 <sup>6</sup> 15*
		50°
LED	XP-L2	
FWHM / FWTM	Asymmetric	750 000 78
Efficiency	84 %	
Peak intensity	0.5 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 400 45
Required components:		
		50
		600
		30° <u>15</u> 5 <u>769</u> 15° 30'
	DS	90° 90°
	LUXEON 7070	
LED	LUXEON 7070	
LED FWHM / FWTM	LUXEON 7070 Asymmetric	99° 99
LED FWHM / FWTM Efficiency	LUXEON 7070 Asymmetric 84 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm 8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm 8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm 8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 84 % 0.3 cd/lm 1 White NFMW48xA 57.0 + 148.0° / 108.0 + 160.0° % 0.5 cd/lm 8	



# **OPTICAL RESULTS (SIMULATED):**

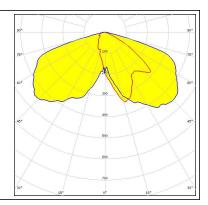
<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	75°
Efficiency	84 %	
Peak intensity	0.4 cd/lm	eur po ex
LEDs/each optic	4	
Light colour	White	45° 45°
Required components:		400
		X
		60
		30° 15° 0° 15° 30°
OSRAM Opto Semiconductors		90*
LED	Duris S8	
FWHM / FWTM	Asymmetric	75°
Efficiency	86 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		400
		$\times$
		500
0000414		11 <sup>2</sup> 80 <sup>6</sup> 13 <sup>2</sup>
OSRAM Opto Semiconductors		90* 90*
LED	Duris S8	
FWHM / FWTM	57.0 + 148.0° / 108.0 + 160.0°	75%
Efficiency	%	
Peak intensity	0.5 cd/lm	
LEDs/each optic	8	20
Light colour	White	45* 400 45*
Required components:		$\times$
		50
		600
		30* 30*
SAMSUN		
		90* 90*
LED	LM28xB Series	73
FWHM / FWTM	Asymmetric	
Efficiency	88 %	504 504
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	45'
Required components:		X   X
		600
		$\times$ / $\mid$ $\setminus$ $\times$
		30* 800 30*
		15° 😽 15°



## **OPTICAL RESULTS (SIMULATED):**

SEOUL

seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL DC 5050 6V 58.0 + 146.0° / 114.0 + 155.0° % 0.6 cd/lm 1 White





### **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:

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