

PRODUCT DATASHEET C14896_STRADA-2X2-PXL

STRADA-2X2-PXL

Fully asymmetric beam designed to highlight pedestrian crossings for left side traffic

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	8 mm
Fastening	pin, screw
ROHS compliant	yes 🕕



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourFinishSTRADA-2X2-PXLMulti-lensPMMAclear

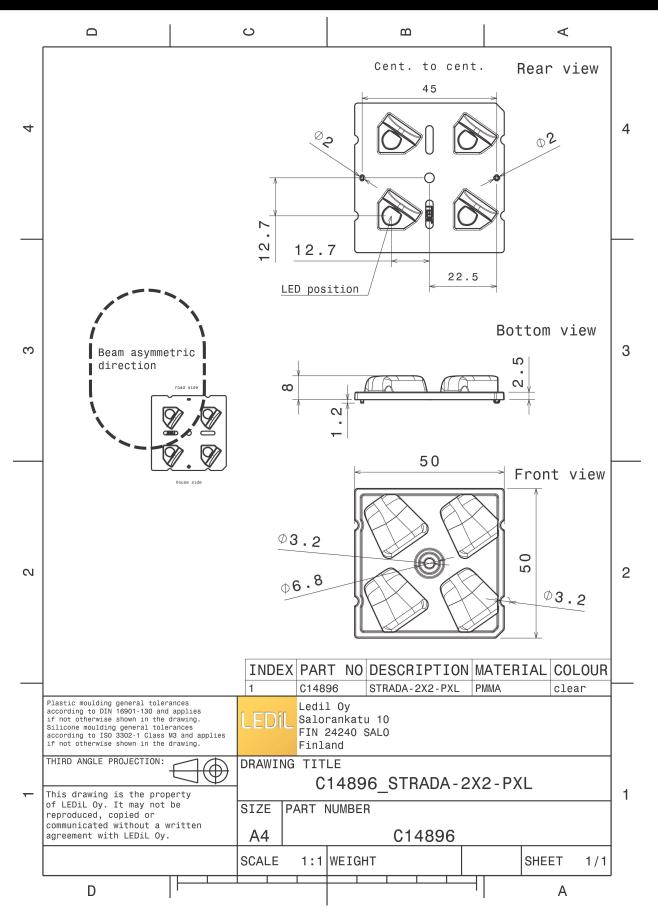
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14896_STRADA-2X2-PXL	800	160	160	7.9
» Box size: 480 x 280 x 300 mm				



PRODUCT DATASHE C14896_STRADA-2X2-PXL

2/15



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



		90* 90*
LED	XD16	5
FWHM / FWTM	Asymmetric	73* 77*
Efficiency	94 %	400
Peak intensity	1.2 cd/lm	60* 60*
LEDs/each optic	1	800
Light colour	White	45* 45*
Required componer	its:	
		1200
		\times
		1500
		12 ³ 0° 10°
🥙 LUMIL	EDS	90° 90°
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	75° 200 78°.
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60* <u>60*</u>
LEDs/each optic	1	500
Light colour	White	45* 45*
Required componer	its:	00
		1000
		30* 1220 0 ² 15* 30*
	FDS	
		90* 90*
LED FWHM / FWTM	LUXEON MZ Asymmetric	75° 200 75°
	Asymmetric	
Efficiency		
Efficiency Reak intensity	94 %	50 ⁵ 60 67.
Peak intensity	94 % 0.9 cd/lm	61 [°] 60 [°]
Peak intensity LEDs/each optic	94 % 0.9 cd/lm 1	60
Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White	61 ⁻ 000 07-
Peak intensity LEDs/each optic	94 % 0.9 cd/lm 1 White	60
Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White	60
Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White	60 67 90 100 100
Peak intensity LEDs/each optic Light colour Required componen	94 % 0.9 cd/lm 1 White hts:	6° 00 07 07
Peak intensity LEDs/each optic Light colour Required componen	94 % 0.9 cd/lm 1 White hts:	60 67 1990 1290
Peak intensity LEDs/each optic Light colour Required component	94 % 0.9 cd/lm 1 White hts:	6° 00 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
Peak intensity LEDs/each optic Light colour Required component Model of the second sec	94 % 0.9 cd/lm 1 White hts: EDS LUXEON V	60 67 1990 1290
Peak intensity LEDs/each optic Light colour Required component Composed LUMIL LED FWHM / FWTM	94 % 0.9 cd/lm 1 White hts: EDS LUXEON V Asymmetric	6° 00 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
Peak intensity LEDs/each optic Light colour Required component Model of the second sec	94 % 0.9 cd/lm 1 White hts: EDS LUXEON V	6° 00 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
Peak intensity LEDs/each optic Light colour Required component LED FWHM / FWTM Efficiency	94 % 0.9 cd/lm 1 White Its: EDS LUXEON V Asymmetric 94 %	6° 06 0° 1200
Peak intensity LEDs/each optic Light colour Required component Component LED FWHM / FWTM Efficiency Peak intensity	94 % 0.9 cd/lm 1 White tts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm	6° 06 0° 1200
Peak intensity LEDs/each optic Light colour Required component Component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 0.9 cd/lm 1 White tts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	6° 00 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
Peak intensity LEDs/each optic Light colour Required component Component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White tts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	6° 00 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
Peak intensity LEDs/each optic Light colour Required component Component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White tts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	6° 06 0° 1200
Peak intensity LEDs/each optic Light colour Required component Component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.9 cd/lm 1 White tts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	6° 09 6° 1000 0°



MST Your solut	ions	
LED	Paol ED 122750mm 1000lm 720 2v4 Opt C1	90* 90*
FWHM / FWTM	RecLED 122x50mm 1900lm 730 2x4 Opt G1	.75° 75°
	Asymmetric	400
Efficiency	98 %	50* 60*
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	\times / / \wedge \times
Light colour	White	45'
Required compone	nts:	1220
		1690
		30* 15° 0° 15° 30°
ØNICHI		
LED	- NVSW219F	90°
LED FWHM / FWTM		730 2000
Efficiency	Asymmetric 94 %	
Peak intensity	0.9 cd/lm	.60 ⁴ 60 ⁴
LEDs/each optic	1	X
Light colour	u White	
Required compone		6° 00 6°
	115.	1000
		1700
		XIIX
		30* 1450 30*
		15 ³ 0 ⁶ 15 ⁶
		22 ³ 0 ³ 13 ⁴
		99 ³ 0 ³ 13 ⁶
LED	NVSW319B	132 ³ 0 ⁴ 13 ³
LED FWHM / FWTM	NVSW319B Asymmetric	22 ¹ 0 ¹ 23 ¹
LED FWHM / FWTM Efficiency	NVSW319B Asymmetric 94 %	22 ¹ 0 ¹ 12 ¹
LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric	22 ¹ 4 ² 12 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric 94 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	22 ¹ 4 ² 15 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	22 ¹ 0 ¹ 13 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	22 ³ 0 ³ 23 ⁴ 92 ⁴ 73 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	22 ¹ 0 ² 12 ³ 0 ² 23 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ² 0 ² 25 ⁴ 9 ² 73 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ³ 0 ³ 2 ³ 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ² 0 ² 25 ⁴ 9 ² 73 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ² 0 ² 25 ⁴ 9 ² 73 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ² 0 ² 25 ⁴ 9 ² 73 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts:	20 ² 0 ² 25 ⁴ 9 ² 73 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts: NVSxE21A Asymmetric 94 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts: NVSxE21A Asymmetric 94 % 1.4 cd/lm 1 White	20 ³ 0 ³ 2 ³ 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts: NVSxE21A Asymmetric 94 % 1.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts: NVSxE21A Asymmetric 94 % 1.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White nts: NVSxE21A Asymmetric 94 % 1.4 cd/lm 1 White	



OSRAM		90* 90*
Opto Semiconductors	OSLON Square PC	90* 90*
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	400
Peak intensity	1.1 cd/lm	50* 50*.
LEDs/each optic	1	
Light colour	White	
Required compone		
		1230
		\times / \setminus \times
		1500
		(30° 30° 15° 30°
SAMSI	JNG	90* 90*
LED	HiLOM RC12 Z (LH181B)	
FWHM / FWTM	Asymmetric	750 700
Efficiency	90 %	400
Peak intensity	1.3 cd/lm	60* 60*
LEDs/each optic	1	800
Light colour	White	45° 6°.
Required compone	ints:	1230
Protective	plate, glass	1500
		15 ³ 0 ³ 15 ⁴
SAMSI	JNG	90° 90°
		90* 90*
	JNG HiLOM RC12 Z (LH181B) Asymmetric	30* 90* 30*
LED	HiLOM RC12 Z (LH181B)	90* 23* 609
LED FWHM / FWTM	HiLOM RC12 Z (LH181B) Asymmetric	90° 90° 75° 400 60° 60°
LED FWHM / FWTM Efficiency	HiLOM RC12 Z (LH181B) Asymmetric 97 %	90° 73° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm	42°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White	92 ⁴ 90 ⁴ 73 ⁴ 90 ⁴ 64 ⁴ 909 65 ⁴ 120 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White	92 ⁴ 92 ⁴ 92 ⁴ 90 62 ⁴ 909 62 ⁴ 909 62 ⁴ 909 62 ⁴ 909 62 ⁴ 909 62 ⁴ 909 62 ⁴ 909
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White	92* 72* 609 609 609 609 609 609 609 609
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White	90° 73° 60° 60° 60° 60° 60° 60° 60° 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	52
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	52
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	129
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	129
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White ents:	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White mts:	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White mts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White mts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White mts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 97 % 1.3 cd/lm 1 White mts:	



SAMSU	ING	
LED	HiLOM RH16 (LH351C)	90* 90*
FWHM / FWTM	Asymmetric	730 772
Efficiency	94 %	400
Peak intensity	1 cd/lm	80° 801
LEDs/each optic	1	
Light colour	White	800
Required componer		1000
		1200
		1400
		30* 15 ⁵ 16 ⁹⁰ 15* 30*
SAMSU	ING	90* 99*
LED	HILOM RM12 Z (LH502C)	
FWHM / FWTM	Asymmetric	77.6 200 77.6
Efficiency	97 %	
Peak intensity	0.9 cd/lm	.50° 400 50°.
LEDs/each optic	1	600
Light colour	White	6° 6°
Required componer	nts:	
		1000
		30* 1200 30*
		13 ² 0 ⁶ 15 [*]
SAMSU	JNG	90* 90*
		8 ¹
	HILOM RM16 Z (LH502C) Asymmetric	73°
LED	HiLOM RM16 Z (LH502C)	90 ⁻ 75 ⁻ 75 ⁻ 75 ⁻ 75 ⁻
LED FWHM / FWTM	HiLOM RM16 Z (LH502C) Asymmetric	92 ¹ 73 ¹ 60 ² 400 60 ²
LED FWHM / FWTM Efficiency	HiLOM RM16 Z (LH502C) Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts:	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	HiLOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts:	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective	HiLOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass	67 00 et
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White Ints: plate, glass	67 00 et
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White nts: plate, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective SANSU LED FWHM / FWTM	HiLOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass HiLOM RM16 Z (LH502C) Asymmetric	60 60 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective SANSU LED FWHM / FWTM Efficiency	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NICS HILOM RM16 Z (LH502C) Asymmetric 97 %	60 60 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective SANSU LED FWHM / FWTM Efficiency Peak intensity	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NCC HILOM RM16 Z (LH502C) Asymmetric 97 % 0.9 cd/lm	60 60 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NCC HILOM RM16 Z (LH502C) Asymmetric 97 % 0.9 cd/lm 1 White	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective Protective SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NCC HILOM RM16 Z (LH502C) Asymmetric 97 % 0.9 cd/lm 1 White	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective Protective SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NCC HILOM RM16 Z (LH502C) Asymmetric 97 % 0.9 cd/lm 1 White	60 60 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Protective Protective SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM RM16 Z (LH502C) Asymmetric 90 % 0.9 cd/lm 1 White hts: plate, glass NCC HILOM RM16 Z (LH502C) Asymmetric 97 % 0.9 cd/lm 1 White	60 60 100



<u> </u>	JNG	90* 90
LED	HILOM RM8 Z (LH502C)	
FWHM / FWTM	Asymmetric	75 70
Efficiency	97 %	
Peak intensity	0.9 cd/lm	60° 60°
LEDs/each optic	1	540
Light colour	White	45* 45
Required compone	nts:	
		1000
		1200 130* 15 ⁵ 0 ⁶ 15* 30'
SAMSI		
		90* 90'
LED FWHM / FWTM	HiLOM RM8 Z (LH502C)	750 200 750
Efficiency	Asymmetric 92 %	
Peak intensity	0.9 cd/lm	60 ⁴ 400 60 ⁴
LEDs/each optic	1	
Light colour	White	45* 660
Required compone	nts:	
Protective	plate, glass	1000
		30* <u>1230</u> 30' 30'
รлмรเ	ING	
LED	LH351B	90* 90'
EED FWHM / FWTM	Asymmetric	75° (200) 75'
Efficiency	94 %	
Peak intensity	0.9 cd/lm	50 ⁴ 400 50 ⁴
LEDs/each optic	1	
Light colour	White	61 65
Required compone	nts:	
		30° 120 0° 15° 30
SEOL		
SEOUL SEMICONDUCTOR		
SEOUL SEMICONDUCTOR	Z5M3	1 12 12 12 12 12 12 12 12 12 12 12 12 12
seoul semiconductor LED FWHM / FWTM	Asymmetric	23 ⁴ 0 ⁴ 13 ⁴ 7 99 ⁴ 99 730 900 92
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 94 %	 1 12 12 12 12 12 12 12 12 12 12 12 12 12
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.9 cd/lm	13 ⁴ 0 ⁴ 13 ⁴ 7 90 ⁴ 90 72 90 72 90 70 70 70 70 70 70 70 70 70
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	13 ⁴ 0 ⁴ 13 ⁹ 70 90 ⁴ 90 72 ⁴ 90 72 ⁴ 90 72 ⁴ 70 72 72 72 72
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1 White	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22 Asymmetric 94 % 1 cd/lm 1 White ents:	99* 99* 25 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x4 2000lm HP EXC2 OTD Asymmetric 94 % 1.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x8 4000lm HP EXC2 OTD Asymmetric 94 % 1.2 cd/lm 1 White	99° 90° 73° 60° 64° 60° 65° 1239 6° 1239 6° 1239 7° 1239 7° 12



		110
	ND 00	1000
LED	XP-G2	599
FWHM / FWTM	Asymmetric	889
Efficiency	95 %	700
Peak intensity	1.1 cd/lm	E99
LEDs/each optic	1	50
Light colour	White	
Required components:		200
		89 89
LED	XP-G2 HE	79
FWHM / FWTM	Asymmetric	799 65
Efficiency	95 %	100
Peak intensity	0.9 cd/lm	150
LEDs/each optic	1	163
Light colour	White	
Required components:	White	····
Required components.		20
		100
1		-138.0" -132.5" -94.4" -67.5" -46.4" -22.5" 6.6" 22.5" 45.4" 67.5" 96.6" 132.6" 138.0"
		-36.° -36.° -46.° -46.° -46.° -22.6° -62° -22.5° -64° -23.5° -64° -35.° -64° -35.° - 29.°
	XP-G3	90° - 10.5° - 10.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 40.5° - 90°
LED FWHM / FWTM	XP-G3 Asymmetric 81 %	30 ²
LED FWHM / FWTM Efficiency	Asymmetric	30 ²
LED FWHM / FWTM	Asymmetric 81 %	30 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.8 cd/lm	30 ²
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 81 % 0.8 cd/lm 1	92* 92* 93* 90* 900 80* 80* 80* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.8 cd/lm 1 White	92* 92* 93* 90* 900 80* 80* 80* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.8 cd/lm 1 White	92* 92* 93* 90* 900 80* 80* 80* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.8 cd/lm 1 White	92* 93* 90* 90* 90* 90* 90* 90* 90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.8 cd/lm 1 White a, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED LED FWHM / FWTM	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED LED FWHM / FWTM Efficiency	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric 79 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric 79 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric 79 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.8 cd/lm 1 White e, glass XT-E Asymmetric 79 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.8 cd/lm 1 White a, glass XT-E Asymmetric 79 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.8 cd/lm 1 White a, glass XT-E Asymmetric 79 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.8 cd/lm 1 White a, glass XT-E Asymmetric 79 % 0.9 cd/lm 1 White	



		90°
LED	XT-E	
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	400
-	95 % 1.1 cd/lm	607 607
Peak intensity		
LEDs/each optic	1	00
Light colour	White	·45+ 1000 45+
Required components:		1200
		1400
		30* 15 ⁵ 0 ⁶ 15 ⁵ 30 ⁶
	05	
		96* 90*
LED	LUXEON 5050 Round LES	750 750
FWHM / FWTM	Asymmetric	
Efficiency	85 %	60* 60*
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		200
Protective pla		\times / \times /
i ioteotive pla		1000
		30* 15 ¹ 0 ² 15 ¹ 3) ⁴
	DS	
LED	LUXEON 5050 Square LES	30 ¹
EED FWHM / FWTM	Asymmetric	730 500
Efficiency	85 %	
	0.8 cd/lm	60* 60*
Peak intensity LEDs/each optic	0.8 ca/im 1	
Light colour		
I LIANI COIOUI	\A/bite	200
	White	-6° - 60 - 67.
Required components:	White	5° (00 (5°)
Required components:		6° 60 6°
		67 00 er. 00 100
Required components:		67 00 00 00 00 00 00 00 00 00 00 00 00 00
Required components: Protective play	e, glass	5° 00 0° 5° 10° 5° 10° 5° 30° 5° 30° 5° 3° 5°
Required components: Protective plan	e, glass	65° 000 00° 20° 15° 0° 15° 0° 20° 15° 0° 15° 0°
Required components: Protective plat	e, glass DS LUXEON 5050 Square LES	132 00 00 00 00 00 00 00 00 00 0
Required components: Protective plan Composition LUMILEI ED FWHM / FWTM	e, glass DS LUXEON 5050 Square LES Asymmetric	800 54° 25° 0° 13° 30°
Required components: Protective plan Protective plan Pr	e, glass DS LUXEON 5050 Square LES Asymmetric 95 %	800 54° 25° 0° 13° 30°
Required components: Protective plan Protective plan Pr	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm	800 54° 25° 0° 13° 30°
Required components: Protective plan Protective plan P	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm 1	80 100 100 100 100 100 100 100 1
Required components: Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm	<u>50*</u> <u>500</u> <u>50*</u> <u>50*</u> <u>50*</u> <u>50*</u> <u>50*</u> <u>50*</u>
Required components: Protective plan Protective plan P	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm 1	80 100 21 ⁴ 15 ⁴ 100 100 100 100 100 100 100 10
Required components: Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm 1	80 100 21 ³ 22 ³ 0 ⁴ 12 ⁴
Required components: Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan Protective plan LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm 1	80 100 21 ⁴ 15 ⁴ 100 100 100 100 100 100 100 10
Required components: Protective plat Protective plat Protective plat Protective plat Protective plat Protective plat Protective plat LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	e, glass DS LUXEON 5050 Square LES Asymmetric 95 % 0.8 cd/lm 1	80 100 21 ³ 22 ³ 0 ⁴ 12 ⁴



UMILEC	S S	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 94 % 1 cd/lm 1 White	
)S	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X-P Asymmetric 94 % 0.9 cd/lm 1 White	75 00 04 00 07 00
		17.50 50° 13° 13° 12° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 95 % 1.1 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM Asymmetric 96 % 0.9 cd/lm 1 White	99° 124 60° 60° 60° 60° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8



Μ ΝΙCΗΙΛ		
LED FWHM / FWTM	NVSW219D Asymmetric	10
Efficiency	94 %	79 -
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	10
Light colour	White	
Required components:		38
Protective plate	e, glass	20
~		
MICHIΛ		80
LED	NVSW519A	
FWHM / FWTM	Asymmetric	
Efficiency	86 %	555
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	*·
Required components:		80
Protective plate	e, glass	100
		20. 20 10. 20.
Μ ΝΙCΗΙΛ		87
LED	NVSW519A	
FWHM / FWTM	Asymmetric	71 10
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	00
Light colour	White	•
Required components:		000
		1000
		30° 22° 0° 13°
Μ ΝΙCΗΙΛ		
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	89
Efficiency	92 %	70 -
Peak intensity	1 cd/lm	
LEDs/each optic	1	10
Light colour	White	•• •• •• •• •• •• •• •• •• •• •• •• ••
Required components:		31
		20



OSRAM		90* 90
LED	PrevaLED Brick HP 2x8	
FWHM / FWTM	Asymmetric	73°
Efficiency	93 %	
Peak intensity	1.2 cd/lm	50°
LEDs/each optic	1	890
Light colour	White	45*
Required components:		1230
		\times / \times
		1000
		30*
OSRAM Opto Semiconductors		13° 0° 15° 759
		200
	Duris S8	E00
FWHM / FWTM	Asymmetric 94 %	259
Efficiency Peak intensity	94 % 0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	20
Required components:	Wille	200
Required components.		200
		8
		-186.0' -112.0' -40.0' -47.0' -46.0' -22.4' -6.0' -22.4' -6.0' -27.4' -6.0' - 10.0' -10
OSRAM Opto Semiconductors		TAY FFI
		90* 90
	OSCONIQ S 5050	90* P
LED	OSCONIQ S 5050 Asymmetric	92 ⁴
LED FWHM / FWTM	OSCONIQ S 5050 Asymmetric 95 %	
LED FWHM / FWTM Efficiency	Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 %	.73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.8 cd/lm	.73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.8 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 1.2 cd/lm 1	



SAMSU	NG	84
LED	LH351B	
FWHM / FWTM	Asymmetric	20
Efficiency	83 %	
Peak intensity	0.7 cd/lm	56/*
LEDs/each optic	1	
Light colour	White	67 80
Required component	S:	
Deste stive a		00
Protective p	late, glass	
		30* 3000 30* 0* 10*
SEQUL		
SEOUL SEMICONDUCTOR		80*
LED	MJT 5050	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	555 440
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required component	S:	80
		3002
		30* <u>1200</u>



PRODUCT DATASHEET C14896_STRADA-2X2-PXL

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy

Last update: 17/12/2021Subject to change without prior noticePublished: 11/07/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.15/15