

# PRODUCT DATASHEET CA12891\_STRADA-SQ-VSM

# STRADA-SQ-VSM

IESNA Type V (square) beam for wide areas lighting such as car parks. Version with location pins. Assembly with installation tape.

## **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 7 mm tape, pin, screw yes (i)



### **MATERIAL SPECIFICATIONS:**

Component STRADA-SQ-VSM ROSE-TAPE

Material
PMMA
Acrylic foam

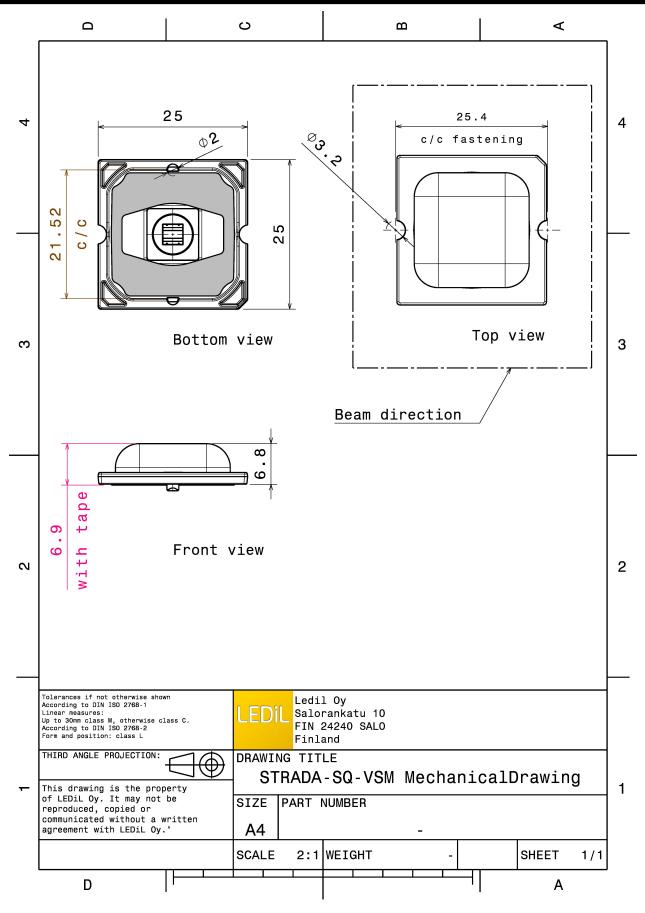
**Colour** clear black Finish

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12891_STRADA-SQ-VSM	Single lens	2058	294	98	7.8
» Box size: 480 x 280 x 300 mm					



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



		90* 90*
	MK-R	
	156.0° / 171.0°	73° ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	91 %	
-	0.3 cd/lm	.50° 60°.
	1	$\times$ / $\square$ $\times$
	White	45' 65'
Required component	S:	
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup> 30 <sup>6</sup>
		90* 90*
LED	XHP35 HI	100
FWHM / FWTM	145.0° / 148.0°	
Efficiency	94 %	X + 200
Peak intensity	0.6 cd/lm	,60°
LEDs/each optic	1	400
Light colour	White	45* 700 45*
Required component	S:	
		eixe
		770
		30* BIO 30*
		90° - 90°
LED	XM-L	
FWHM / FWTM	154.0°	
	154.0° 93 %	
Efficiency Peak intensity		27 - 199 - 72 60* - 260 - 66%
Efficiency Peak intensity LEDs/each optic	93 % 0.2 cd/lm 1	20 100 77. 601 500 601.
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White	21
Efficiency Peak intensity LEDs/each optic	93 % 0.2 cd/lm 1 White	20 00 07 00 07 00 07 00 07
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White	6° 60 6°.
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White	5°
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White	21 - 20 - 21 .01 - 20 .01 - 20 .0
Efficiency Peak intensity LEDs/each optic Light colour Required component	93 % 0.2 cd/lm 1 White s:	
Efficiency Peak intensity LEDs/each optic Light colour Required component	93 % 0.2 cd/lm 1 White s:	5°
Efficiency Peak intensity LEDs/each optic Light colour Required component	93 % 0.2 cd/lm 1 White s: XM-L2	
Efficiency Peak intensity LEDs/each optic Light colour Required component	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 %	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.2 cd/lm 1 White s: XM-L2 155.0° / 177.0° 94 % 0.4 cd/lm 1 White	



		90°
LED	XP-L HD	
FWHM / FWTM	150.0° / 159.0°	71° 200 71°
Efficiency	94 %	200
Peak intensity	0.5 cd/lm	- 50 <sup>4</sup>
LEDs/each optic	1	30
Light colour	White	400 43°
Required compone	nts:	
		500
		60
		30° 700 30°   15 <sup>5</sup> 0 <sup>6</sup> 15°
		90* 90*
LED	XP-L2	
FWHM / FWTM	146.0° / 163.0°	75°
Efficiency	93 %	
Peak intensity	0.4 cd/lm	50° 200 60°.
LEDs/each optic	1	X X
Light colour	White	45* 45*
Required compone	nts:	40
		500
		30 15° 30
		95°
LED	XT-E	50° 50°
LED FWHM / FWTM	XT-E 151.0°	90 <sup>1</sup> 70 <sup>2</sup> 200 200 200
LED FWHM / FWTM Efficiency	XT-E 151.0° 93 %	
LED FWHM / FWTM Efficiency Peak intensity	XT-E 151.0° 93 % 0.2 cd/lm	90° 193 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 151.0° 93 % 0.2 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White	5° 50 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 151.0° 93 % 0.2 cd/lm 1 White	60 <sup>4</sup> 200 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White	60 <sup>4</sup> 200 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White	.60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White	64 69 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts:	60 <sup>4</sup> 200 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts:	64 50 67 67 67 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX	64 50 67 67 67 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0°	64 50 67 67 67 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Model of the second	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 %	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Model of the second	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Mequired compone Equired compone Equired compone Peak intensity LEDs/each optic	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Compone Equired compone Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1 White	6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Mequired compone Equired compone Equired compone Peak intensity LEDs/each optic	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1 White	6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Compone Equired compone Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1 White	6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Compone Equired compone Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1 White	6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 151.0° 93 % 0.2 cd/lm 1 White nts: EDS LUXEON M/MX 154.0° 93 % 0.3 cd/lm 1 White	64 50 67 67 67 67 67 67 67 67 67 67 67 67 67



🤭 LUMIL	EDS	
LED	LUXEON MZ	90* 90°
		75° 100 755
FWHM / FWTM	148.0° / 173.0°	
Efficiency	94 %	504 200 604
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	nts:	
		30* 30
		157 760 15*
UMIL	EDS	90* 90
LED	LUXEON T	100
FWHM / FWTM	145.0°	20 200
Efficiency	92 %	
Peak intensity	0.7 cd/lm	60* 300 60*
LEDs/each optic	1	400
Light colour	White	457 500 467
Required compone	nts:	60
		700
		25 <sup>5</sup> 900 50* 25 <sup>5</sup> 0 <sup>6</sup> 15* 50*
🤭 LUMIL	EDS	90 <sup>4</sup>
LED	LUXEON TX	751
LED FWHM / FWTM	LUXEON TX 148.0° / 152.0°	2%
LED FWHM / FWTM Efficiency	LUXEON TX 148.0° / 152.0° 94 %	734
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm	734
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1	23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White	23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White	23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White	23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White	23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component <b>Composition</b> Required component Efficiency Peak intensity	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Composition Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 148.0° / 152.0° 94 % 0.7 cd/lm 1 White nts: EDS LUXEON XR-M linear 1x3, 1x4, 1x5 151.0° / 162.0° 92 % 0.3 cd/lm 1 White	



<b>MNICHIA</b>		90* 90*
LED	NCSU033A	
FWHM / FWTM	149.0° / 155.0°	75°
Efficiency	93 %	200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	400
Required componer		45
	113.	
		740
		30° 15° 30°
<b>ØNICHI</b>		
		90* 90*
LED	NS9x383	750 100 750
FWHM / FWTM	149.0°	
Efficiency	91 %	66° 200 66°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 460 45*
Required componer	nts:	
		× 7 ×
		30* 30*
		<u>1132</u> <u>0</u> <sup>4</sup> <u>13</u> <sup>4</sup>
<b>ØNICHI</b>		90* 90*
LED	NV4x144A	
LED FWHM / FWTM	NV4x144A 156.0° / 176.0°	71 20 71
		70 200 700 700
FWHM / FWTM	156.0° / 176.0°	20° 20° 20°
FWHM / FWTM Efficiency	156.0° / 176.0° 91 %	29 50 50 Feb
FWHM / FWTM Efficiency Peak intensity	156.0° / 176.0° 91 % 0.3 cd/lm	20 20 77 77 70 70 70 70 70 70 70 70 70 70 70
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	20 60 <sup>+</sup> 10 20 60 <sup>+</sup> 10 10 10 10 10 10 10 10 10 10 10 10 10
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	20 50 60 <sup>+</sup> 90 90 90 90 90 90 90 90 90 90
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	156.0° / 176.0° 91 % 0.3 cd/lm 1 White	200 50° 60° 200 60° 60° 60° 60° 60° 60° 60° 60° 50°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts:	20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Optic Semiconductors LED FWHM / FWTM	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 % 0.3 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	156.0° / 176.0° 91 % 0.3 cd/lm 1 White nts: Duris S10 148.0° / 158.0° 93 % 0.3 cd/lm 1 White	



## PHOTOMETRIC DATA (SIMULATED):

		N H
		90* 90*
	XHP35 HD	750 770
FWHM / FWTM	158.0° / 170.0°	
Efficiency	89 %	504 504
Peak intensity	0.3 cd/lm	200
LEDs/each optic		$\vee \times / \wedge \times \vee$
Light colour	White	45° 300 45°
Required components:		$\times$
		400
		30° 500 30° 30°
LED	XP-G3	90° - 90'*
FWHM / FWTM	148.0° / 156.0°	70 500 700
Efficiency	90 %	
Peak intensity	0.5 cd/lm	.50 <sup>4</sup> 50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:	White	49.
Required components.		~~~~~~
		00
		30 <sup>4</sup> 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>4</sup> 30 <sup>4</sup>
	DS	200 <sup>-</sup> 121 -
		92 <sup>4</sup> 12 <sup>3</sup> 0 <sup>4</sup> 12 <sup>4</sup> 22 <sup>5</sup>
LED	LUXEON H50-2	30 <sup>4</sup> 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM	LUXEON H50-2 140.0° / 144.0°	200 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency	LUXEON H50-2 140.0° / 144.0° 90 %	200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/m	200 66% 200 66%
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/m	200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	No. Tay Or Tay Sol   Sol
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1	60 <sup>4</sup> 30 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White	60 <sup>4</sup> 30 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C	60 <sup>4</sup> 30 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0°	60 <sup>4</sup> 30 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 %	60 <sup>4</sup> 30 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 140.0° / 144.0° 90 % 0.6 cd/lm 1 White NVSxx19B/NVSxx19C 144.0° 89 % 0.5 cd/lm 1	



## **PHOTOMETRIC DATA (SIMULATED):**

r		
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 7070	750
FWHM / FWTM	150.0° / 158.0°	
Efficiency	89 %	.50 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.4 cd/lm	200
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required components:		
		400
		30* 500 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	Ostar	100
FWHM / FWTM	145.0° / 150.0°	73°
Efficiency	92 %	
Peak intensity	0.6 cd/lm	30 0
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required components:		
		600
		700
		800
		30 <u>15</u> <sup>9</sup> 0 <sup>6</sup> 15 <sup>4</sup> 30
OSRAM Onto Semiconductors		2 <sup>3</sup> 22 <sup>3</sup> 0 <sup>3</sup> 12 <sup>3</sup>
Opto Semiconductors	OSTAR Stage (S2WM)	
Opto Semiconductors	OSTAR Stage (S2WM) 145.0° / 150.0°	
Opto Semiconductors LED FWHM / FWTM	145.0° / 150.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	145.0° / 150.0° 92 %	90° 30° 100 100 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	145.0° / 150.0° 92 % 0.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	145.0° / 150.0° 92 % 0.6 cd/lm 1	90° 30° 100 100 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	145.0° / 150.0° 92 % 0.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	145.0° / 150.0° 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	145.0° / 150.0° 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	145.0° / 150.0° 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	145.0° / 150.0° 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	145.0° / 150.0° 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	145.0° / 150.0° 92 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN)	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	145.0° / 150.0° 92 % 0.6 cd/m 1 White OSTAR Stage (S2WN) 146.0° / 152.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	145.0° / 150.0° 92 % 0.6 cd/m 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPD Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm 1	
opto Semiconductors 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	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPD Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm 1	
opto Semiconductors 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	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm 1	
opto Semiconductors 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	145.0° / 150.0° 92 % 0.6 cd/lm 1 White OSTAR Stage (S2WN) 146.0° / 152.0° 92 % 0.5 cd/lm 1	



## PHOTOMETRIC DATA (SIMULATED):

SAMSU	NG	30 <sup>4</sup>
LED	LH351B	
FWHM / FWTM	148.0° / 156.0°	75* 100 72*
Efficiency	91 %	200
Peak intensity	0.4 cd/lm	6 <sup>44</sup>
LEDs/each optic	1	X X X
Light colour	White	62
Required component	is:	40
		200
		600
		30* <u>15</u> 5 0 <sup>6</sup> 15* 30*



# PRODUCT DATASHEET CA12891\_STRADA-SQ-VSM

#### **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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