

## PRODUCT DATASHEET C15292\_STRADA-2X2-T2-C

## STRADA-2X2-T2-C

IESNA Type II (medium) beam with added house side backlight. Designed for tilted and long armatures.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	50.0 x 50.0 mm
Height	7.3 mm
Fastening	screw
ROHS compliant	yes 🛈



#### MATERIAL SPECIFICATIONS:

Component STRADA-2X2-T2-C

Туре	
Multi-lens	

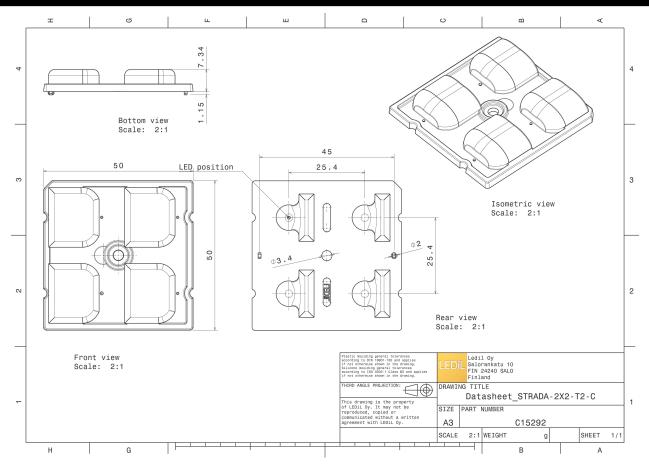
Material	Colour	Finish
PMMA	clear	

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15292_STRADA-2X2-T2-C	800	160	160	8.7
» 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>



LED FWHM / FWTM Efficiency	QUICK FLUX XTP 2x4 xxx LS G5 Asymmetric 94 %	97 73 60 60 60
Peak intensity	1 cd/lm	$  \vee \times /   \vee \times \vee  $
LEDs/each optic	1	00
Light colour	White	45°
Required componer	nts:	
		1000
		30* 30*
		15 <sup>2</sup> 0 <sup>6</sup> 15 <sup>2</sup>
		90* 90*
LED	QUICK FLUX XTP 2x6 xxx LS G5	
FWHM / FWTM	Asymmetric	75° 000 75°
Efficiency	94 %	
Peak intensity	0.9 cd/lm	196 X 197 X 196
LEDs/each optic	1	600
Light colour	White	-65
Required componer		200
		1000
		$X \rightarrow X$
		1200
		30* 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>9</sup> 30 <sup>e</sup>
		91 <sup>4</sup>
		87
LED	XD16	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM	XD16 Asymmetric	97 391 391
LED FWHM / FWTM Efficiency	XD16 Asymmetric 94 %	92 33 65 60 67
LED FWHM / FWTM Efficiency Peak intensity	XD16 Asymmetric 94 % 1.3 cd/m	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XD16 Asymmetric 94 % 1.3 cd/m 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/m 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XD16 Asymmetric 94 % 1.3 cd/m 1 White	97 75 65 69 69 67 69 69 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/m 1 White	57 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/m 1 White	5 <sup>1</sup> 5 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/m 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts: XM-L3 Asymmetric 97 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White hts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/lm 1 White nts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XD16 Asymmetric 94 % 1.3 cd/lm 1 White nts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/lm 1 White nts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/lm 1 White nts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XD16 Asymmetric 94 % 1.3 cd/lm 1 White nts: XM-L3 Asymmetric 97 % 0.9 cd/lm 1 White	



	3		90*	90*
LED	XP-G			
FWHM / FWTM	Asymmetric		770	
Efficiency	94 %			$\prec$
Peak intensity	1.1 cd/lm		50* 400	60*
LEDs/each optic	1			
Light colour	White		45* 500	95+
Required componer	nts:			
			800	+
			$\times$	
			1000	
	_		115 0°	15°
			90*	90*
LED	XP-G2			
FWHM / FWTM	Asymmetric			
Efficiency	94 %		504 400	FK V
Peak intensity	1.1 cd/lm			1XV
LEDs/each optic	1		600	
Light colour	White		45+ 000	45*
Required componer	nts:			
			1000	-T X
			1290	-tV
			30* 15' 0*	15° 30°
	1			FT
LED	XP-G3		90*	90*
FWHM / FWTM	Asymmetric		736	785
Efficiency	89 %			
Peak intensity	0.7 cd/lm		-616	60*
LEDs/each optic	1		400	$\top \setminus X$
Light colour	White		45*	5*
Required componer			660	$\neg$
Protective	plate, glass		800	
				30*
			130 130	15+
			90*	90*
LED	XP-L HD			
FWHM / FWTM	Asymmetric		75%	7
Efficiency	94 %		50	$\nabla X \nabla$
Peak intensity	0.9 cd/lm		400	
LEDs/each optic	1			
Light colour	White		45* 600	65*
Required componer	nts:			
			000	-t-l
			$\times$ $ $ $\top$	$\setminus X$
			30* 1000	30*
			15 <sup>5</sup> 10 <sup>5</sup>	15*



		90* 90*
LED	XP-L HI	
FWHM / FWTM	Asymmetric	75% 000 75%
Efficiency	94 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	× / ~ ×
Light colour	White	e
Required componer	nts:	20
		1000
		X   T   X
		20*
		90* 90*
LED	XT-E	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50* 50*
Peak intensity	1.2 cd/lm	400
LEDs/each optic	1	$\vee \times   \times \vee$
Light colour	White	451 860 451
Required componer	nts:	
		000
		30° ma no 30°
	EDS	
		92° - 92°
LED	LUXEON 5050 Round LES	
LED FWHM / FWTM	LUXEON 5050 Round LES Asymmetric	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	99* <u>12* 0* 25* 3**</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON 5050 Round LES Asymmetric	99* <u>12* 0* 25* 3**</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON 5050 Round LES Asymmetric 90 %	99* <u>12* 0* 25* 3**</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON 5050 Round LES Asymmetric 90 % 0.5 cd/lm	99* 12* 0* 25* 25* 25* 25*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON 5050 Round LES Asymmetric 90 % 0.5 cd/lm 1	5 <sup>3</sup> 20 5 <sup>3</sup> 20 5 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPARTMENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	90. 10. 10. 10. 10. 10. 10. 10. 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	23° 23° 26° 25° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPARTMENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON 5050 Round LES Asymmetric 90 % 0.5 cd/lm 1 White hts:	64 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPARTMENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White hts:	64 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>



<b>WINCEDS</b> LED       LUXEON V         FWHM / FWTM       Asymmetric         Efficiency       94 %         Peak intensity       0.7 cd/m         LEDs/seach optic       1         Light colour       White         Required components:       Image: Color of the
LED LUXEON V FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: EVENTICEDS: LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components:
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: CUNILEDS LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:
LEDs/each optic 1 Light colour White Required components:
Light colour White Required components:
Required components:
Image: Component Service Servic
LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components
LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components
LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components
LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components
LED LUXEON V2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components
FWHM / FWTM       Asymmetric         Efficiency       94 %         Peak intensity       0.9 cd/lm         LEDs/each optic       1         Light colour       White         Required components       1
Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:
Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:
LEDs/each optic 1 Light colour White Required components:
Light colour White Required components:
Required components:
1009 1229 20* 129 129 129 129 129 129 129
NST Your solutions
WIDI roursolutions
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
80
30* 300 10* 10*
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
800



<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSW319B	
FWHM / FWTM	Asymmetric	73*
Efficiency	97 %	
Peak intensity	0.8 cd/lm	.60 <sup>6</sup> 60 <sup>6</sup>
LEDs/each optic	1	
Light colour	White	.45'
Required componen	ts:	940
		30* <u>1250</u> 30* 30*
<b>Μ</b> ΝΙCΗΙΛ		IN PT
LED	NVSW3x9A	SV
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.8 cd/lm	.50 <sup>4</sup> 400 50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required component	Its:	200
		$\times$
		1000
		30* 11 <sup>2</sup> 30*
<b>Ø</b> NICHIΛ		THA KHT
LED	NVSxE21A	90* 90*
LED		
		73'
FWHM / FWTM	Asymmetric	75
FWHM / FWTM Efficiency	Asymmetric 94 %	25
FWHM / FWTM Efficiency	Asymmetric	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 1.5 cd/lm	5°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.5 cd/lm 1 White	60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.5 cd/lm 1 White	60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.5 cd/lm 1 White	57 50 51 107 51
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.5 cd/lm 1 White	57 50 51 107 51
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White tts:	- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White tts:	- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White tts:	- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C	60 60 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C Asymmetric	60 60 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C Asymmetric 88 %	66 00 100 100 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C Asymmetric 88 % 0.7 cd/lm 1 White	60 60 1000 1200 1200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C Asymmetric 88 % 0.7 cd/lm 1 White	66 00 100 100 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White tts: NVSxx19B/NVSxx19C Asymmetric 88 % 0.7 cd/lm 1 White tts:	60 60 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.5 cd/lm 1 White its: NVSxx19B/NVSxx19C Asymmetric 88 % 0.7 cd/lm 1 White	60 60 100 100 100



<b>∕∕</b> NICHI∕		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	73.6 70 70.0
Efficiency	94 %	
Peak intensity	1 cd/lm	.60 <sup>4</sup> 400 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 640 45*
Required compone	ints:	$\times$
		000
		(30* 15 <sup>3</sup> 0 <sup>4</sup> 15 <sup>4</sup> 30*
<b>ØNICHI</b>		90° 90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	736 00 732
Efficiency	94 %	
Peak intensity	1 cd/lm	.50 <sup>4</sup> 400 50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required compone	ints:	800
		$\times$ $(\top ) \times$
		1000
		30* 30*
		19 <sup>0</sup> 9 <sup>0</sup> 19 <sup>0</sup>
OSRAM	A	
		90* 90*
LED	PrevaLED Brick HP 2x8	20° - 20°
LED		
LED FWHM / FWTM	PrevaLED Brick HP 2x8	84 <sup>-</sup> 28 <sup>-</sup>
LED FWHM / FWTM	PrevaLED Brick HP 2x8 Asymmetric	01 <sup>4</sup> 40 67
LED FWHM / FWTM Efficiency	PrevaLED Brick HP 2x8 Asymmetric 94 %	9° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm	6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
LED FWHM / FWTM Efficiency Peak intensity	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White	- 400 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White	- 400 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White	400 67 000 000 1070
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White Ints:	6° 00 c) 6° 00 c) 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White Ints:	400 67 000 000 1070
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White Ints: Duris S8 Asymmetric 97 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick HP 2x8 Asymmetric 94 % 1.1 cd/lm 1 White ints: Duris S8 Asymmetric 97 % 0.5 cd/lm 1 White	



OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	730 700
Efficiency	94 %	
Peak intensity	1.1 cd/lm	50° 400 60°.
LEDs/each optic	1	600
Light colour	White	e. e,
Required compone	ents:	
		$\times$
		1000
		30* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON Square PC	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	80 <sup>4</sup> 400 501
Peak intensity	1.2 cd/lm	$S \times / T \times 7$
LEDs/each optic	1	
Light colour	White	45°
Required compone	ents:	
		1000
		30° 1220 30°
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>
PHILI	PS	90° 90°
		90° - 90°
LED	Fortimo FastFlex LED 2x8 DA G4+	50° 50°
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric	20 00 70 00 70 00 70 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents: Fortimo FastFlex LED 2x8 DA G5 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE ED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents: Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone PHILLIE FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents: PSS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents: PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:   PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:   PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:   PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:   PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White ents:   PS Fortimo FastFlex LED 2x8 DA G5 Asymmetric 98 % 0.9 cd/lm 1 White	



SAMSI	ING	
LED	HiLOM RC12 Z (LH181B)	.90*
FWHM / FWTM	Asymmetric	750 000
Efficiency	96 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	00
Light colour	White	407 200
Required compone		
		1000
		1230
		30* 1400 3 152* 0° 125*
SAMSU	JNG	90*
LED	HiLOM RH12 Z (LH351C)	
FWHM / FWTM	Asymmetric	75
Efficiency	97 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	-55
Required compone	ents:	600
		800
		30*
0.0.0.0		15 <sup>2</sup> 15 <sup>4</sup>
<b>S</b> ΛΜS	JNG	90°
LED	HiLOM RH16 (LH351C)	
LED FWHM / FWTM	HiLOM RH16 (LH351C) Asymmetric	75'
FWHM / FWTM		
	Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White ents: JNG HiLOM RM12 Z (LH502C)	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White ents: UNG HiLOM RM12 Z (LH502C) Asymmetric	50 <sup>4</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.7 cd/lm 1 White ents: UNG HiLOM RM12 Z (LH502C) Asymmetric 97 %	50 <sup>4</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.7 cd/lm 1 White ents: JNG HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm	50 <sup>4</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White ents: <b>JNG</b> HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White white UNC HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm 1 White	50 <sup>4</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White white UNC HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White white UNC HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White white UNC HiLOM RM12 Z (LH502C) Asymmetric 97 % 0.6 cd/lm 1 White	



# SAMSUNG

LED	
FWHM / FWTM	
Efficiency	
Peak intensity	
LEDs/each optic	
Light colour	
Required componer	nt

HiLOM RM16 Z (LH502C) M Asymmetric 98 % 0.6 cd/lm tic 1 White ponents:

SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM8 Z (LH502C) Asymmetric 98 % 0.6 cd/lm 1 White	
Electronic GmbH LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LED-Pa-L15c2W11c2-xxx-C050-01 Asymmetric 98 % 0.9 cd/lm 1 White nts:	
seou semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 Asymmetric 97 % 0.9 cd/lm 1 White nts:	



SEOUL		
SEOUL SEMICONDUCTOR		90*
LED	Z5M4	75°
FWHM / FWTM	Asymmetric	
Efficiency	97 %	505
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	65° 600 65°
Required compone	nts:	
		800
		$\times$
		30* <u>1000</u> 30* 30*
SEOUL		25 <sup>3</sup> 0 <sup>4</sup> 15 <sup>4</sup>
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22	
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	
Peak intensity	1 cd/lm	60*
LEDs/each optic	1	
Light colour	White	6° 6
Required compone	nts:	
		80
		30* <u>1000</u> 30* 30*
TRIDON		
LED	RLE 2x4 2000lm HP EXC2 OTD	
FWHM / FWTM		
Efficiency	Asymmetric 94 %	
	94 /0 1.1 cd/lm	
Peak intensity		
LEDs/each optic	1 White	
Light colour		
Required compone	nts:	
TRIDOM		
		90° 90°
	RLE 2x8 4000lm HP EXC2 OTD	750 00 750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60* 400 60*
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	457 800 457
Required compone	nts:	
Required compone	nts:	100
Required compone	nts:	109
Required compone	nts:	200 1200



		90° 90°
LED	XP-G2 HE	
FWHM / FWTM	Asymmetric	750 750
Efficiency	94 %	
Peak intensity	0.6 cd/lm	604 604
LEDs/each optic	1	40
Light colour	White	45°
Required components:		600
		80
		30* 1000 30* 30*
		90°
LED	XP-L2	
FWHM / FWTM	Asymmetric	770 200 770
Efficiency	81 %	
Peak intensity	0.4 cd/lm	.60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
		$X \longrightarrow X$
Protective plate	e, glass	600
1		30* 700 30*
	15	50° 700 30°
		50° 250 <sup>°</sup> 250° 250° 250°
LED	LUXEON 5050 Square LES	25° 270 15° 25° 25° 0° 15° 55° 25° 0° 15° 55°
LED FWHM / FWTM	LUXEON 5050 Square LES Asymmetric	24 <sup>2</sup> 25 <sup>2</sup> 0 <sup>4</sup> 15 <sup>2</sup> 25 <sup>4</sup> 25 <sup>4</sup> 0 <sup>4</sup> 15 <sup>2</sup> 25 <sup>4</sup> 25 <sup>4</sup> 9 <sup>2</sup> 25 <sup>4</sup> 9 <sup>2</sup> 25 <sup>4</sup> 9 <sup>2</sup> 25 <sup>4</sup> 9 <sup>2</sup>
LED FWHM / FWTM Efficiency	LUXEON 5050 Square LES Asymmetric 96 %	24- 15 <sup>2</sup> 0 <sup>4</sup> 15 <sup>2</sup> 0 <sup>4</sup> 15 <sup>2</sup> 9 <sup>4</sup> 9 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm	20° 70° 13° 90° 13° 0° 13° 90° 50° 0° 13° 0° 50° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1	200 700 157 50 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 %	60° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	60° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>VOLUMILED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.4 cd/lm 1	60° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WIM / COUNT</b> Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WIM / COUNT</b> Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 96 % 0.5 cd/lm 1 White	



<b></b>		
<b>ΜΝΙCΗΙΛ</b>		
LED	NV4WB35AM	Ĩ
FWHM / FWTM	Asymmetric	75°
Efficiency	96 %	
Peak intensity	0.7 cd/lm	60* 400 60*
LEDs/each optic	1	
Light colour	White	60
Required components:	Wille	45* 45*
Required components.		
		1000
		30 <sup>+</sup> 15 <sup>5</sup> 0 <sup>5</sup> 15 <sup>5</sup> 30 <sup>4</sup>
LED	NVSW219F	
FWHM / FWTM	Asymmetric	736 (100 752
Efficiency	82 %	XXX
Peak intensity	0.5 cd/lm	504 504
LEDs/each optic	1	
Light colour	White	
Required components:		540 X X
rioquirou componente.		00
Protective plate	, glass	700
		30° 15° 30°
<b>ΜΝΙCΗΙΛ</b>		90° 90°
LED	NVSW519A	
FWHM / FWTM	Asymmetric	75°
Efficiency	82 %	
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	× / ->/
Light colour	White	6. A 4
Required components:		400
		50
Protective plate	, glass	
		30* 30*
<b>ΜΝΙCΗΙΛ</b>		po+
LED	NVSW519A	756
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	0.5 cd/lm	$\times$ $\rightarrow$ 40 $\times$ $\times$ 7
LEDs/each optic	1	
Light colour	White	45' 5/0 45'
Required components:		X 100 X
		70 70
		X No X
		30* 90 20*
		<sup>30</sup> 15 <sup>5</sup> 0° 15 <sup>*</sup>



No.		
<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	75* 70* 75*
Efficiency	87 %	440
Peak intensity	1.1 cd/lm	60*
LEDs/each optic	1	
Light colour	White	45° 800 67°
Required components:		
		1000
Protective plate	e, glass	1220
		30* 30*
OSRAM		13, 12,0 13,
Opto Semiconductors	Duris S8	90° 90°
FWHM / FWTM	Asymmetric	75*
Efficiency	84 %	
Peak intensity	0.4 cd/lm	504 604
LEDs/each optic	1	X / *** X /
Light colour	White	45* 4/0 45*
Required components:		X/T/X
		500
Protective plate	, glass	
		30* 30*
OSRAM		72 <sub>6</sub> <u>96</u> 12 <sub>6</sub>
Opto Semiconductors		90* 90*
LED FWHM / FWTM	Duris S8	100
		750 780
	Asymmetric	
Efficiency	87 %	294
Efficiency Peak intensity	87 % 0.5 cd/lm	29
Efficiency Peak intensity LEDs/each optic	87 % 0.5 cd/lm 1	60
Efficiency Peak intensity LEDs/each optic Light colour	87 % 0.5 cd/lm	5° 560 5°
Efficiency Peak intensity LEDs/each optic Light colour Required components:	87 % 0.5 cd/lm 1 White	60
Efficiency Peak intensity LEDs/each optic Light colour	87 % 0.5 cd/lm 1 White	60
Efficiency Peak intensity LEDs/each optic Light colour Required components:	87 % 0.5 cd/lm 1 White	60
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/lm 1 White	6° 5% 6% 70 70 70 70 70 80
Efficiency Peak intensity LEDs/each optic Light colour Required components:	87 % 0.5 cd/lm 1 White	6° 5% 6% 70 70 70 70 70 80
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/m 1 White	6°
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/m 1 White e, glass OSCONIQ P 3737 (2W version)	20° 000 700 700 700 700 700 700 700
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/m 1 White p, glass OSCONIQ P 3737 (2W version) Asymmetric	20° 000 700 700 700 700 700 700 700
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/m 1 White e, glass OSCONIQ P 3737 (2W version)	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	87 % 0.5 cd/m 1 White a, glass OSCONIQ P 3737 (2W version) Asymmetric 94 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic	87 % 0.5 cd/m 1 White a, glass OSCONIQ P 3737 (2W version) Asymmetric 94 % 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	87 % 0.5 cd/m 1 White a, glass OSCONIQ P 3737 (2W version) Asymmetric 94 % 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	87 % 0.5 cd/m 1 White a, glass OSCONIQ P 3737 (2W version) Asymmetric 94 % 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	87 % 0.5 cd/m 1 White a, glass OSCONIQ P 3737 (2W version) Asymmetric 94 % 1	



OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	730 100 730
FWHM / FWTM	Asymmetric	The second
Efficiency	83 %	.504
Peak intensity	0.5 cd/lm	$X \times / T \times X$
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required components:		000
Protective plat		700
		800
		30* <u>15</u> * <u>0</u> <sup>0</sup> <u>15</u> * <u>30</u> *
PHILIPS		
		90* 90*
LED	Fortimo FastFlex LED 2x8 DA G5	736 755
FWHM / FWTM	Asymmetric	
Efficiency	84 %	605
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	$\times$ / / $\times$
Light colour	White	-65°
Required components:		600
Protective plat		$\times$
Fiblective plat	e, glass	800
		30* 30*
		10 0 10
DHILIDS		
PHILIPS		
LED	Fortimo FastFlex LED 2x8 DAX G4	
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric	
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1	50° (0°)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1	50° (0°)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White	50° (0°)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White	50° (0°)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White	50° (0°)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SANSUN LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e. glass ILH351C Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSUN LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e. glass LH351C Asymmetric 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass LH351C Asymmetric 88 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SALMSUL ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass LH351C Asymmetric 88 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SALMSUL ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SALMS SUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass VC LH351C Asymmetric 88 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass VC LH351C Asymmetric 88 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DAX G4 Asymmetric 80 % 0.4 cd/lm 1 White e, glass VC LH351C Asymmetric 88 % 0.5 cd/lm 1 White	



SEOUL	
SEOUL SEMICONDUCTOR	MJT 5050
FWHM / FWTM	Asymmetric
	-
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required component	S:
SEOUL	
SEOUL SEMICONDUCTOR	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required component	s:
Protective p	late, glass



## PRODUCT DATASHEET C15292\_STRADA-2X2-T2-C

#### **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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