

## STRADA-IP-2X6-T3-B-90

IESNA Type III (medium) beam with minimized backlight. Variant with beam direction rotated 90°.

## **TECHNICAL SPECIFICATIONS:**

Dimensions	71.4 x 173.0 mm
Height	12.8 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🕕



## MATERIAL SPECIFICATIONS:

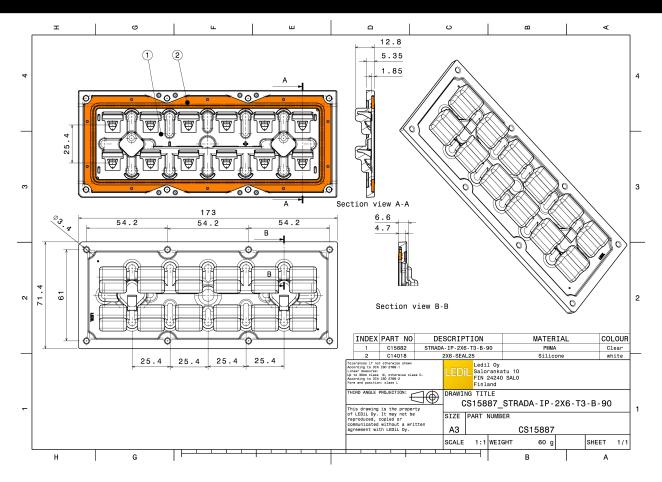
Component	Туре	Material	Colour	Finish
STRADA-IP-2X6-T3-B-90	Multi-lens	PMMA	clear	
2X6-SEAL25	Seal	Silicone	white	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15887_STRADA-IP-2X6-T3-B-90	Multi-lens	120	40	40	8.3
» Box size: 476 x 273 x 247 mm					

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## PRODUCT DATASHEET CS15887\_STRADA-IP-2X6-T3-B-90



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



		90* 90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	
FWHM / FWTM	Asymmetric	738 782
Efficiency	94 %	
Peak intensity	0.7 cd/lm	507 604
		40
LEDs/each optic	1	
Light colour	White	45° 650 45 <sup>3</sup>
Required component	nts:	
		Mo
		$\times$ / $\top$ / $\times$
		30° 15° 18% 15° 30°
		90* 90*
LED	QUICK FLUX 2x6 LED XT xxx G5	732
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 50°
Peak intensity	0.7 cd/lm	40
LEDs/each optic	1	
Light colour	White	45* 45*
Required component	nts:	
		000
		30° 30°
		10 00 10
		90°
LED	XP-G2	80°
LED FWHM / FWTM	XP-G2 Asymmetric	2 <sup>1</sup> 7 <sup>3</sup> 0 0
LED FWHM / FWTM Efficiency	XP-G2	
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 %	10°
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts:	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts:	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts:	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 %	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric	90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 % 0.6 cd/lm 1	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	20 <sup>3</sup> C <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	90° 90° 90° 90° 90° 90°



		90* 90*
LED	XT-E HE	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60* 60*
LEDs/each optic	1	400
Light colour	u White	
Required compone		45* 600 45*
Required compone	115.	$\times$ / $\times$
		800
		$\times$ / $\setminus$ $\times$
		30° 15 <sup>3</sup> 1090 15° 30°
	EDS	
		90* 90*
LED	LUXEON 5050 Round LES	200
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50* 60*
Peak intensity	0.6 cd/lm	**
LEDs/each optic	1	400
Light colour	White	45* 45*
Required compone	nts:	
		710
		30° 800 30°
	EDC	123 0, 13,
UMIL		90* 90*
LED	LUXEON V	200
FWHM / FWTM	Asymmetric	
Efficiency	92 %	60%
Peak intensity	0.6 cd/lm	$X \times / T \times / J$
LEDs/each optic	1	
Light colour	White	45* 5% 45*
Required compone	nts:	000
		700
		30° 15° 90 15° 30°
MCT		15' 300 15'
MST Your solut		90* 90*
LED	RecLED 146x45mm 2900lm 730 STRADA-IP-2x6 G1	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	95 %	
Peak intensity	0.8 cd/lm	400
LEDs/each optic	0.8 cd/lm 1	40
LEDs/each optic Light colour	1 White	6° 60 60
LEDs/each optic	1 White	400 400 600 400
LEDs/each optic Light colour	1 White	65 <sup>-</sup> 000 07 <sup>-</sup>
LEDs/each optic Light colour	1 White	40 65 00 00
LEDs/each optic Light colour	1 White	40 65 60 60 60 60 60



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<b>MNICHIA</b>		90* 90*
LED	NVSW219D	- Ey
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60 <sup>4</sup> 64 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	40
Required compone		500
i toquiroù oompono		600
		700
		30° 15° 80 15° 30°
<b>ØNICHI</b>		N M
LED	NVSW219F	90° 90°
LED FWHM / FWTM		75°
	Asymmetric 94 %	
Efficiency Peak intensity	94 % 0.7 cd/lm	60* 60*
		400
LEDs/each optic Light colour	1 White	
Required compone		45* 45*
Required compone	IIS.	
		800
		$\times$ / $\mid$ $\setminus$ $\times$
		30° 15° 30°
		19 100 19
		201 201 201 201 201 201 201 201 201 201
		50° 100 10
LED	NVSW319B	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM	NVSW319B Asymmetric	200 20 200 20 200 20 200 20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	NVSW319B Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric 94 % 0.7 cd/lm 1 White nts: NVSW3x9A Asymmetric 94 % 0.7 cd/lm 1 White	



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<b>Ø</b> NICHI∕		90* 90*
LED	NVSW519A	E
FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	95 %	
Peak intensity	0.6 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	400
Required compone		500
required compone		
		70
		30° 12° 800 15° 30°
OSRAM		
Opto Semiconductors	OSI ON Services CSSDM2/CSSDM2	90* 90*
	OSLON Square CSSRM2/CSSRM3	750 750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60* 601
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 600 45*
Required compone	nts:	
		800
		30° 30°
PHILIF		90* 90*
LED	Fortimo FastFlex LED 2x6 DP G4	8°
LED FWHM / FWTM	Fortimo FastFlex LED 2x6 DP G4 Asymmetric	
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DP G4 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/Im 1	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White	6° 60 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP 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 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	24 60 61   25 60 61   26 60 61
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts: HILOM RH12 (LH351C)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	94* 28* 64* 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SANNSU</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	94* 28* 64* 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SANNSU</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	91* 54 72* 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SANNSU</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.8 cd/lm 1 White nts:	91* 54 72* 60 60 60 60 60 60 60 60 60 60



SAMSL	ING	90*	90*
LED	HILOM RM12 ZP (LH502C)		
FWHM / FWTM	Asymmetric	75* 100	75
Efficiency	96 %		2/
Peak intensity	0.5 cd/m	60"	60*
LEDs/each optic	1	× + 30	
	ı White	XX	
Light colour		45*	45*
Required componer	IIS.	500	
		30° 700 10° 10°	30*
		THYVE	FT
SCIO		90+	90*
LED	ROY-S26XPL2 (XP-L2)	1.00	
FWHM / FWTM	Asymmetric	25.	> 75*
Efficiency	94 %		
Peak intensity	0.6 cd/lm	30°*	607
LEDs/each optic	1		
Light colour	White	45*	45 <sup>+</sup>
Required componer	nts:	20	
		600	
		760	
		30° 15° 8% 15°	30°
SCIO	LUX		T
SCIO		90°	90*
LED	XLE-S22C4XTEHE (XT-E HE)	<u>8</u> *	90*
LED FWHM / FWTM	XLE-S22C4XTEHE (XT-E HE) Asymmetric	90* 73*	90*
LED FWHM / FWTM Efficiency	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 %		90* 90*
LED FWHM / FWTM Efficiency Peak intensity	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m		90* 75° 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1		90* 75* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White	5° 25 60 60 60	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White	5° 6° 6° 6° 6°	90" 75" 61"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White	99° 73 60° 60° 60° 60°	90" 75" 67"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White	99 <sup>-</sup> 23 04 05 06 06 06	90* 6*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White		8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		99 <sup>4</sup> 97 <sup>5</sup> 97 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		99 <sup>-</sup> 99 <sup>-</sup> 99 <sup>-</sup> 99 <sup>-</sup> 99 <sup>-</sup> 99 <sup>-</sup> 99 <sup>-</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		90* 75" 66* 65* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/lm 1 White nts:		1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency Peak intensity	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		90* 95* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		90* 95* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.8 cd/m 1 White hts:		90* 95* 80*



SEOUL			
SEOUL SEMICONDUCTOR			90*
LED	SMJQ-D36W12Mx		724
FWHM / FWTM	Asymmetric		
Efficiency	93 %		505
Peak intensity	0.8 cd/lm		
LEDs/each optic	1		400
Light colour	White		45*
Required componer	its:		600
			X    X
			800
			13 <sup>3</sup> 0 <sup>4</sup> 1 <sup>5</sup>
			90*
LED	SMJQ-D36W12Px		
FWHM / FWTM	Asymmetric		751
Efficiency	94 %	and the second se	-
Peak intensity	0.7 cd/lm	the second se	d0*
LEDs/each optic	1		400
Light colour	White		5
Required componer			
			200
			$\times$ / $\land$ $\land$
			30° 15° 15°
SEOUL			NY YY
SEOUL SEMICONDUCTOR			90*
LED	Z5M3		39
LED FWHM / FWTM	Asymmetric		55 - Do
LED FWHM / FWTM Efficiency	Asymmetric 94 %		50°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.7 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White		5° 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White		50° 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White		50° 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.7 cd/lm 1 White tts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.7 cd/lm 1 White hts: Z8Y22		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer secoul semiconductor LED FWHM / FWTM	Asymmetric 94 % 0.7 cd/lm 1 White hts: Z8Y22 Asymmetric		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.7 cd/lm 1 White its: Z8Y22 Asymmetric 93 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer second semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White tts: Z8Y22 Asymmetric 93 % 0.8 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White tts: Z8Y22 Asymmetric 93 % 0.8 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component secons semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White tts: Z8Y22 Asymmetric 93 % 0.8 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White tts: Z8Y22 Asymmetric 93 % 0.8 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White tts: Z8Y22 Asymmetric 93 % 0.8 cd/lm 1 White		

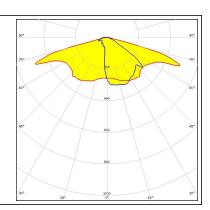


## **TRIDONIC**

LED

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:

RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1 White





		35
LED	XP-G2 HE	
FWHM / FWTM	Asymmetric	736 700 780
Efficiency	92 %	200
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		500
		X/T/X
		710
		30° 15° 30°
		8*
LED	XP-G3	4
FWHM / FWTM	Asymmetric	700 700
Efficiency	92 %	
Peak intensity	0.5 cd/lm	50°* 60*
LEDs/each optic	1	$\times \times / \top \setminus \times \times$
Light colour	White	45° 400 45°.
Required components:		20
		600
		20* 70
		30 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup> 30
		90° 91°
	XP-L HD	
	XP-L HD Asymmetric	200 00 100 00 00 00 00 00 00 00 00 00 00
LED		
LED FWHM / FWTM	Asymmetric	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency	Asymmetric 93 %	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1	24 <sup>5</sup> 0 <sup>4</sup> 13 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	24 <sup>5</sup> 0 <sup>4</sup> 13 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	24 <sup>5</sup> 0 <sup>4</sup> 13 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White XT-E Asymmetric 92 % 0.6 cd/lm 1	



	15	90* 90*
LED	LUXEON V2	200
FWHM / FWTM	Asymmetric	73°
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	6°
Required components:		
		700
		30° 13 <sup>5</sup> 000 15° 30°
OSRAM		
LED	PrevaLED Brick HP IP 2x6	The second secon
FWHM / FWTM	Asymmetric	730 200 70
Efficiency	93 %	
Peak intensity	0.5 cd/lm	50* 50*
LEDs/each optic	1	
Light colour	White	65° 400 65°
Required components:		
		760
		30° 15 <sup>5</sup> 0° 15°
OSRAM Opto Semiconductors		90*90*
LED	Duris S8	2
	Asymmetric	100 75°
FWHM / FWTM Efficiency	Asymmetric 97 %	270
Efficiency	97 %	
Efficiency Peak intensity		
Efficiency Peak intensity LEDs/each optic	97 % 0.5 cd/lm	
Efficiency Peak intensity	97 % 0.5 cd/lm 1	6° <u>10</u> °°
Efficiency Peak intensity LEDs/each optic Light colour	97 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	97 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	97 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1	10
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version)	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required components: OPDS Semiconductors LED FWHM / FWTM Efficiency	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	97 % 0.5 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1	



PHILIPS		90* 90*
LED	Fortimo FastFlex LED 2x6 DPX G4	
FWHM / FWTM	Asymmetric	730 700 700
Efficiency	92 %	
Peak intensity	0.5 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	730
Light colour	White	-51 400 551
Required components:		
		130° 155 0° 15° 30°
SAMSUN	IG	80* 90*
LED	LH351B	3
FWHM / FWTM	Asymmetric	730 730
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 440 45*
Required components:		
		500
		600
		123 129 129
SAMSUN	IG	15 <sup>3</sup> 15 <sup>4</sup>
<b>SAMSUN</b> LED	IG LH502C	80. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,
	LH502C	175 - 275 -
LED FWHM / FWTM		25 <sup>3</sup> 28 <sup>4</sup> 35 <sup>4</sup>
LED FWHM / FWTM Efficiency	LH502C Asymmetric	
LED FWHM / FWTM	LH502C Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LH502C Asymmetric 94 % 0.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH502C Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LH502C Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH502C Asymmetric 94 % 0.5 cd/lm 1 White LH508A Plus Asymmetric 93 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH502C Asymmetric 94 % 0.5 cd/lm 1 White LH508A Plus Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1 White LH508A Plus Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1 White LH508A Plus Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH502C Asymmetric 94 % 0.5 cd/lm 1 White LH508A Plus Asymmetric 93 % 0.5 cd/lm 1	



SEOUL SEMICONDUCTOR		g/ 9/
LED	SEOUL DC 5050 6V	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	***
Light colour	White	45° 400 45°
Required components:		~~~~
		60
		20* 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>



### **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:

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