

PRODUCT DATASHEET CS14143_STRADA-IP-2X6-T3

STRADA-IP-2X6-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height

SPECIFICATION:

Dimensions	71.4 x 173.0 mm
Height	8.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



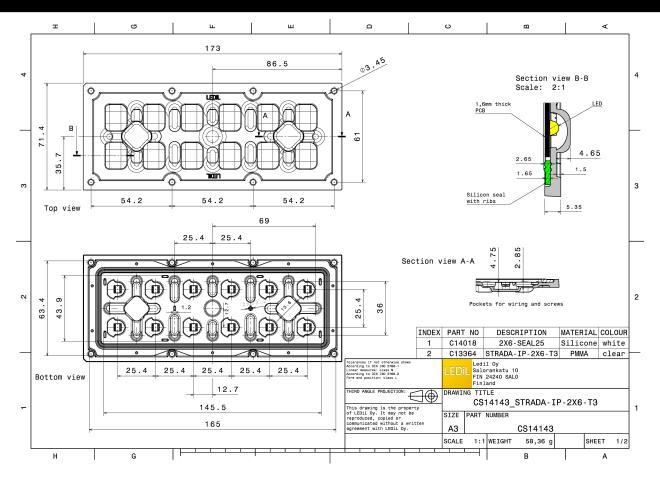
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14143_STRADA-IP-2X6-T3	Multi-lens	120	40	40	7.4
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS14143_STRADA-IP-2X6-T3



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



bridgelux.		
LED	Bridgelux SMD 5050	
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60*
	1	
LEDs/each optic	White	
Light colour		6° 400 6°
Required componer	15.	
		600
		30° 700 30° 15° 30°
		90* 90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	300 000
LEDs/each optic	1	
Light colour	White	45* 5% 45*
Required componer	ItS:	
		710
		30* 30*
		90* 90*
LED	QUICK FLUX 2x6 LED XT xxx G5	
FWHM / FWTM	Asymmetric	750 200 750
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required componer	ts:	
		770
		30° 15 ³ 0° 15°
LED	XP-G2	90* 90*
FWHM / FWTM		75* 00 75*
	Asymmetric 94 %	
Efficiency		504 504
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	
Light colour	White	6° 6°
Required componer	IIS:	X
		X too
		30* 30*



		80* 90
LED	 XP-G3	
FWHM / FWTM	Asymmetric	75* 600 75
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60 ⁴ 60
LEDs/each optic	1	
Light colour	White	45'
Required compone		50
		600
		700
		130° 000 15° 50°
		50° 30'
LED	XP-L HD	
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	64° 60°
LEDs/each optic	1	30
Light colour	White	er. er
Required compone	nts:	460
		500
		\times
		500 500 500 500 500 500 500 500 500 500
		90* 90*
LED	XP-L2	100
FWHM / FWTM	Asymmetric	
Efficiency	94 %	are the first
Peak intensity	0.5 cd/lm	30
LEDs/each optic	1	400
Light colour	White	451 200 451
Required compone	nts:	
		60
		760
		30° 15° 80 15° 30'
	-	90 90
	XT-E	750 000 755
FWHM / FWTM	Asymmetric 94 %	
Efficiency Peak intensity	94 % 0.6 cd/lm	50 ⁴ 50 ⁴
	0.6 cd/lm 1	
LEDs/each optic	White	400
Light colour	White http://www.commons.com/www.commons.com/www.commons.com/www.co	45° 400 45°
		6 ⁷ 00 6 ⁷
Light colour		
Light colour		



		50*
LED	XT-E HE	
FWHM / FWTM	Asymmetric	75° 2 20 20 75°
Efficiency	94 %	10
Peak intensity	0.6 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	
Light colour	White	45. 400
Required compone		500
		500
		760
		30° 13 ⁵ 13 ⁶ 13 ⁶ 30°
		90° 90°
LED	EHP-2x6-IP-3535	
FWHM / FWTM	Asymmetric	770 770
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60° 300 60.*
LEDs/each optic	1	440
Light colour	White	45* 550 45*
Required compone	nts:	
		770
		30° 800 30°
**•		
		50° 50°
LED	EHP-2x6-IP-5050	
FWHM / FWTM	Asymmetric	100 74
Efficiency	97 %	
Peak intensity	0.5 cd/lm	60* 66*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	nts:	
		XITX
		600
		30* 700 30*
A		
UMIL	EDS	90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	
		60 ⁶ X
Peak intensity	0.6 cd/lm	60 ⁴ 60 ⁴
Peak intensity LEDs/each optic	0.6 cd/lm 1	.er 30
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	



	EDC	
UMIL		90* 5
LED	LUXEON V	100
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	X X 40
Light colour	White	6
Required compone	ents:	
		600
		710
		30° 15 ³ 00 15°
	EDS	129 01 129
		90* 5
LED	LUXEON XR-TX (L2T0-xxxx012M0000)	75
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	6.
Required compone	ents:	600
		\times / \setminus \times
		30° 15° 0° 15° 3
	EDS	
		M ³
LED	LUXEON Z ES	20
LED FWHM / FWTM	LUXEON Z ES Asymmetric	94* 73* 2 00
LED FWHM / FWTM Efficiency	LUXEON Z ES Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES Asymmetric 94 %	
CUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	92* 23* 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Vour solut LED FWHM / FWTM Efficiency	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents:	23 ³ 24 ³⁰ 23 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: tions RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm	23 ³ 24 ³⁰ 23 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Your solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: tions RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm 1	13 ³ 1402 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Vaur solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm 1 White	13 ³ 1402 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Vaur solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MSST Your solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White ents: RecLED 146x45mm 2900lm 730 2x6 IP G1 Asymmetric 96 % 0.7 cd/lm 1 White	



ØNICHI A		The set
		90* 90*
	NVSW219F	75
FWHM / FWTM	Asymmetric	
Efficiency	94 %	.60* 60*
Peak intensity	0.6 cd/lm	X - 30
LEDs/each optic	1	
Light colour Required componer	White	é' é'
Required component	ls.	
		640
		30° 15° 30° 30°
MNICHIA		90* 90*
LED	NVSW319B	
FWHM / FWTM	Asymmetric	73°
Efficiency	%	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	30
Light colour	White	45* 400 53*
Required componer	ts:	X/T/X
		500
		600
		30° 15° 709 15° 30°
MNICHIA		90* 90*
LED	NVSW3x9A	
FWHM / FWTM	Asymmetric	770 200 770
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required componer	ts:	
Required componer	ts:	50
Required componer	ts:	20
Required component	ts:	200 200 200 200 200 200 200 200 200 200
		900 000 000 000 000 000 000 000 000 000
ØNICHI Λ		9/2 9/2 9/2 9/2 9/2 9/2 9/2 9/2
	NVSW519A	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM	NVSW519A Asymmetric	500 500 500 500 500 500 500 500
ED FWHM / FWTM Efficiency	NVSW519A Asymmetric 96 %	500 500 500 500 500 500 500 500
ED FWHM / FWTM Efficiency Peak intensity	NVSW519A Asymmetric 96 % 0.5 cd/lm	50 ⁴ 50 ⁶ 30 ⁷
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW519A Asymmetric 96 % 0.5 cd/lm 1	20 ³
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW519A Asymmetric 96 % 0.5 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW519A Asymmetric 96 % 0.5 cd/lm 1 White	20 ³
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW519A Asymmetric 96 % 0.5 cd/lm 1 White	20 ³
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW519A Asymmetric 96 % 0.5 cd/lm 1 White	20 ³



Ø NICHI∕		30*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60 90 90 *
LEDs/each optic	1	
Light colour	White	45°
Required compone	nts:	
		60
		76
		an. 800
0000414		
OSRAM Opto Semiconductors		90* 90*
LED	Duris S8	
FWHM / FWTM	Asymmetric	770 100 700
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	42, 400 42,
Required compone	nts:	500
		600
		30* 76 55*
PHILIF	C	
		99* 99*
LED	Fortimo FastFlex LED 2x6 DP G4	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60 ⁴ 60 ⁴
Peak intensity LEDs/each optic	0.6 cd/lm 1	
Light colour	u White	40 40
Required compone		
		300
		00
		700
		20* 15 ³ 0* 30*
PHILIP	S	
LED	Fortimo FastFlex LED 2x6 DP G5	
FWHM / FWTM	Asymmetric	75* 500 75*
Efficiency	96 %	
Peak intensity	0.6 cd/lm	50° 60°.
LEDs/each optic	1	30
Light colour	White	5° 40 5°
Required compone		
		200
		80
		30* 30*
		15 ⁵ 0/0 15 ⁵



DIIIII		
PHILIF	5	90* 90*
LED	Fortimo FastFlex LED 2x6 DP HE	
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	200
Light colour	White	45* 400 45
Required compone	its:	
		30.4 30.4
PHILIF	2	
		90* 90'
LED	Fortimo FastFlex LED 2x6 DPX G4	75
FWHM / FWTM	Asymmetric	
Efficiency	94 %	600
Peak intensity	0.6 cd/lm	300
LEDs/each optic	1	400
Light colour	White	45* 550 45*
Required compone	its:	
		700
		30° 200 50° 50°
SAMSU		THY YHI
		90* 90*
LED	HILOM RH12 (LH351C)	750 200 755
FWHM / FWTM	Asymmetric	
Efficiency	94 %	504 50
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	
Light colour		e
Required compone	lis.	500
		710
		30° 15° 30'
<u>S/MS</u>	ING	
		90
LED	HiLOM RM12 ZP (LH502C)	70 500 77
LED FWHM / FWTM	HiLOM RM12 ZP (LH502C) Asymmetric	He 100 M
LED FWHM / FWTM Efficiency	HiLOM RM12 ZP (LH502C) Asymmetric 96 %	
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm	20 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.5 cd/lm 1 White	20 61 62 65 65 60 60 60 60 60



SAMSU	ING	50*
LED	LH351Z	
FWHM / FWTM	Asymmetric	251
Efficiency	94 %	
Peak intensity	0.6 cd/lm	610
LEDs/each optic	1	
Light colour	White	5° 400
Required componer		X/T/X
		500
		30° 700 10° 10°
SCIO	LUX	
LED	ROY-S26XPL2 (XP-L2)	
FWHM / FWTM	Asymmetric	750
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	400
Required componer		
		000
		700
		30° 15° 0° 15°
SCIO	LUX	
SCIO		997
LED	XLE-S22C4XTEHE (XT-E HE)	99°
LED FWHM / FWTM		90- 70- 0- 0- 0-
LED FWHM / FWTM Efficiency	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	XLE-S22C4XTEHE (XT-E HE) Asymmetric	
LED FWHM / FWTM Efficiency	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	15° 25° 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	15° 25° 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White Its:	15° 25° 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White its:	15° 25° 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Efficiency Peak intensity LEDs/each optic	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm 1 White tts:	



		80* 90*
LED	2x6 5050 module - SMJD-3625012F-XX	
FWHM / FWTM	Asymmetric	780 100 700
Efficiency	94 %	po l
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone		
		60
		700
		30° 15° 30°
SEOUL		
		90* 90*
	SMJQ-D36W12Mx	79. 79
FWHM / FWTM	Asymmetric	
Efficiency	94 %	501 504
Peak intensity	0.7 cd/lm	× / +40
LEDs/each optic		
Light colour	White	45* 600 45*
Required compone	nts:	
		30° 13 ⁵ 0° 15° 30°
SEOUL		THATT
		90* 90*
LED	SMJQ-D36W12Px	75* 200 75*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50* 50
Peak intensity	0.6 cd/lm	$X \times / T \times X$
LEDs/each optic	1	
Light colour	White	45* 50 43*
Required compone	ins.	600
		740
		30° 15 ⁵ 0° 15° 30°
SEOUL		THY YHT
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M3	75* 000 75*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45' 500 45*
Required compone	nts:	KX TVZ
		710
		30° m 30° m 30°
		15' 0' 15'



seou semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22 Asymmetric 94 % 0.7 cd/lm 1 White ints:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22P Asymmetric 94 % 0.6 cd/lm 1 White onts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1 White	



		
LED	J Series 5050B 6V K Class	
FWHM / FWTM	Asymmetric	730 100 78°
Efficiency	94 %	
Peak intensity	0.5 cd/lm	.50°
LEDs/each optic	1	X Joo X
	' White	$X \times I \setminus X \times$
Light colour	white	· · · · · · · · · · · · · · · · · · ·
Required components:		
		800
		30* 15° 76° 15° 30°
LED	XHP35 HD	90° 90°
FWHM / FWTM	Asymmetric	73%
Efficiency	88 %	
Peak intensity	0.5 cd/lm	50° (50°
LEDs/each optic	1	X
Light colour	' White	$X \times I \times X$
Required components:	White	· 65* 400 45*
Required components.		500
		600
		30* <u>15</u> 700 15* 30*
		INY PHI
LED	XHP35 HI	90° 90°
FWHM / FWTM	Asymmetric	729
Efficiency	90 %	
Peak intensity	0.5 cd/lm	.60*
LEDs/each optic	1	30
Light colour	' White	X
Required components:	Wille	6, 6,
Required components.		
		30 ⁴ 15 ³ 0 ⁶ 15 ⁴ 30 ⁴
LED	XP-G2 HE	Y
FWHM / FWTM	Asymmetric	730 100 735
Efficiency	92 %	
Peak intensity	0.5 cd/lm	.60 ⁴ 60 ⁴ .
LEDs/each optic	1	
1 2 0, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	$X \times I \setminus X \times$
	White	400 ATA
Light colour	White	45* 460 45*
	White	6° 400 6°
Light colour	White	40 Gr
Light colour	White	



COMPLET	DS	90*
LED	LUXEON 3030 2D (Square LES)	y
FWHM / FWTM	Asymmetric	756 200
Efficiency	94 %	1 min 2
Peak intensity	0.6 cd/lm	60° 300
LEDs/each optic	1	
Light colour	White	40
Required components:		
		60
		700
		30* 300 13 ⁵ 0 [*] 15*
UMILEC	S S	90*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	75° 200
Efficiency	95 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400
Required components:		X/T/X
		200
		30°
		13 ⁵ 2 ⁶ / ₀₀ 13 ⁵
UMILEC	DS	90*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	30
Light colour	White	X $X $ $($ $X $ $)$
	Winte	45* 400
Required components:	winte	65* 400
Required components:	Wille	5° 46 50
Required components:	White	6° 400 .
Required components:	Winte	50
		50
		40 50 60
	S LUXEON V2	40 50 60
LUMILEE LED FWHM / FWTM	S LUXEON V2 Asymmetric	27 28 29 29 29 29 29 29 29 29 29 29 29 29 29
LUMILEE LED FWHM / FWTM Efficiency	S LUXEON V2 Asymmetric 92 %	40 50 60
ED FWHM / FWTM Efficiency Peak intensity	S LUXEON V2 Asymmetric	40 50 60
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	40 50 60
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S LUXEON V2 Asymmetric 92 % 0.6 cd/m	50 50 50 50 50 50 50 50 50 50 50 50 50 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM Asymmetric 94 % 0.6 cd/lm 1 White	
ED FWHM / FWTM	NVSxE21A Asymmetric	20 ¹ 13 ¹ 60 ¹ 15 ¹ 30 ¹
Efficiency Peak intensity LEDs/each optic Light colour Required components:	94 % 0.5 cd/lm 4 White	5°* 20 5°* 60 5°
Ø ΝΙCΗΙΛ		00 20 ³ 15 ³ 0 ³ 15 ⁴ 30 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A Asymmetric 92 % 0.7 cd/lm 1 White	9/* 7/* 40 40 40 40 40 40 40 40 40 40
		20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm 1 White	9° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4
		20 ⁻ 20 ⁺ 20 ⁺ 20 ⁺



OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (2W version)	* · · · · · · · · · · · · · · · · · · ·
EUD FWHM / FWTM	Asymmetric	73%
Efficiency	90 %	1 Thomas I
Peak intensity	0.6 cd/lm	50* 500
LEDs/each optic	1 White	
Light colour Required components:	Wille	- 65° - 500 - 65°
Required components.		000
		700
		30° 800 30° 30°
OSRAM		INY KHI
Opto Semiconductors	OSCONIQ P 3737 (3W version)	90° 90°
EUD FWHM / FWTM	Asymmetric	70 00 700
Efficiency	93 %	
Peak intensity	0.5 cd/lm	.50° 60°.
LEDs/each optic	1	***
Light colour	White	45* 400 45*
Required components:	White	
required components.		500
		660
		1
		30° 15° 30°
OSRAM		THA YHI
AND AN ADDRESS OF AND ADDRESS AND ADDRESS A		
Opto Semiconductors	OSCONIO D 2727 (2W) vortion)	90* 90*
Opto Semiconductors	OSCONIQ P 3737 (3W version)	pr pr
^{Opto Semiconductors} LED FWHM / FWTM	Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 %	20
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm	92* 73 60* 30 30 30 30 30 30 30 30 30 30
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm	
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1	pr pr pr pr pr pr pr pr pr pr
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	200 - 200 -
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSERAM Opto Semiconductors LED	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	



SAMSUN	IG	THYPE
		90* 90*
	LH181B	730 00 730
FWHM / FWTM	Asymmetric	1 Stranger
Efficiency	94 %	.604 604
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	460
Light colour	White	457 540 43*
Required components:		000
		700
		30* 15 ⁵ 0 ⁶ 15 ⁵ 30*
SAMSUN	10	
		90° 90°
LED	LH351B	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	50%
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	45* 400 45*
Required components:		
		X 100
	10	30° 15° 0° 15° 30°
SAMSUN	IG	80. 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SAMSUN LED	LH351D	25 ¹ 0 ³ 13 ⁴
		25 ⁴ 0 ⁵ 15 ⁴
LED FWHM / FWTM	LH351D	
LED	LH351D Asymmetric	25 ¹ 0 ² 15 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LH351D Asymmetric 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.5 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LH351D Asymmetric 93 % 0.5 cd/lm 1 White LH502D Asymmetric 95 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.5 cd/lm 1 White LH502D Asymmetric 95 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1 White LH502D Asymmetric 95 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1 White LH502D Asymmetric 95 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.5 cd/lm 1 White LH502D Asymmetric 95 % 0.5 cd/lm 1	



SAMSUN	IG	
LED	LM302D	The second se
FWHM / FWTM	Asymmetric	730
Efficiency	94 %	
Peak intensity	0.6 cd/lm	604
LEDs/each optic	1	
Light colour	White	400
Required components:		
		500
		700
		30° 15° 0° 15°
		90°
LED	Acrich MJT 4040	· · · · · · · · · · · · · · · · ·
FWHM / FWTM	Asymmetric	173°
Efficiency	90 %	
Peak intensity	0.7 cd/lm	50° X 300 X /
LEDs/each optic	1	
Light colour	White	45* 500
Required components:		
		600
		700
		200
		30° 13 ³ 2° 15° 3
		90°
LED	Z5M1/Z5M2	4
FWHM / FWTM	Asymmetric	730
Efficiency	91 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	45*
Required components:		000
		\times / \times
		\times / \land \rightarrow
		130* 135 ⁴ 0 ⁶ 15 ⁴
SEOUL		90*
LED	Z5M4	a a a a a a a a a a a a a a a a a a a
FWHM / FWTM	Asymmetric	730
Efficiency	94 %	X the second second
Peak intensity	0.6 cd/lm	60 ⁴
	1	
LEUS/each optic		400
	White	45*
LEDs/each optic Light colour Required components:	White	45* 500
	White	55 560
Light colour	White	
Light colour	White	5 ¹ 50 60 70 5 ³ 2 ³ 2 ³ 0 ⁴ 1 ³



SEOUL SEOUL SEMICONDUCTOR		94
LED	Z8Y22T	
FWHM / FWTM	Asymmetric	75 72
Efficiency	93 %	
Peak intensity	0.7 cd/lm	60 ⁴ 30 60 ⁴ .
LEDs/each optic	1	40
Light colour	White	6° 50 6ª
Required component	ts:	
		70
		30
		20° 15° 0° 15°



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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