

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

TECHNICAL SPECIFICATIONS:

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



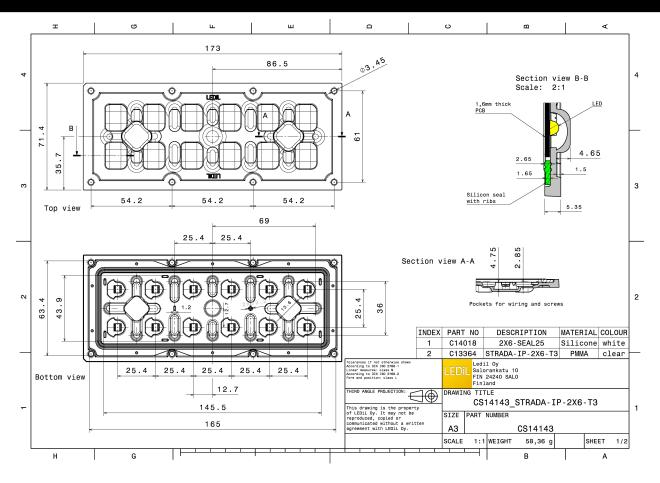
MATERIAL SPECIFICATIONS:

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.		80°
LED	Bridgelux SMD 5050	
FWHM / FWTM	Asymmetric	730 770
Efficiency	94 %	
Peak intensity	0.5 cd/lm	504 504
LEDs/each optic	1	
Light colour	' White	
		6°. 400 6°.
Required compone	ins.	
		30° 700 30° 30°
		90* 90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	200 200
FWHM / FWTM	Asymmetric	
Efficiency	94 %	504 604
Peak intensity	0.6 cd/lm	30
LEDs/each optic	1	400
Light colour	White	45° 500 43°
Required compone	nts:	
		710
		30° 45 ⁵ 0° 15° 30°
		90* 90*
	QUICK FLUX 2x6 LED XT xxx G5	50° 50°
LED	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric	80°
LED FWHM / FWTM	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric 94 %	97
LED FWHM / FWTM Efficiency	Asymmetric 94 %	90° 90° 75° 000 75° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	90° 90° 73° 000 79° 64° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	6 ¹ 6 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White	97 38 61 63 63 64 7 80 7 80 7 80 7 80 7 80 80 80 80 80 80 80 80 80 80 80 80 80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	9/* 9/* 9/* 9/* 9/* 9/* 9/* 9/*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White Ints: XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/m 1 White nts: XP-G2 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	



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		90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	40
Required component		451 500 634
Required component	no.	00
		30° 25 ³ 0° 55°
		90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	25° 600 75°.
Efficiency	94 %	po po
Peak intensity	0.6 cd/lm	60 ⁴ 6.*
LEDs/each optic	1	
Light colour	White	
Required component		500
	nu.	600
		700
		30° 13 ⁵ 0° 15° 30°
LED	- XP-L HD	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	94 %	
		60° 60°
	0.6 cd/lm	
Peak intensity	0.6 cd/lm 1	
Peak intensity LEDs/each optic	1	
Peak intensity LEDs/each optic Light colour	1 White	40° 00°
Peak intensity LEDs/each optic	1 White	
Peak intensity LEDs/each optic Light colour	1 White	6° 40 50
Peak intensity LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic Light colour	1 White hts:	90° 90° 90° 90° 90° 90° 90° 90°
Peak intensity LEDs/each optic Light colour Required component	1 White hts:	
Peak intensity LEDs/each optic Light colour Required component	1 White hts: XP-L2	90 90 90 90 90 90 90 90 90 90 90 90 90 9
Peak intensity LEDs/each optic Light colour Required component CREE LED ED FWHM / FWTM	1 White hts:	
Peak intensity LEDs/each optic Light colour Required component CREE LED	1 White hts: XP-L2 Asymmetric	
Peak intensity LEDs/each optic Light colour Required component CREE COMPONENT LED FWHM / FWTM Efficiency	1 White hts: XP-L2 Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required component CREE LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White hts: XP-L2 Asymmetric 94 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required component CREE ULED FWHM / FWTM Efficiency Peak intensity	1 White hts: XP-L2 Asymmetric 94 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: XP-L2 Asymmetric 94 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: XP-L2 Asymmetric 94 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: XP-L2 Asymmetric 94 % 0.5 cd/lm 1 White	



LED	XT-E	90* 91*
FWHM / FWTM	Asymmetric	734 00 774
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60° 60°.
LEDs/each optic	1	
Light colour	White	45° 400 65°
Required compone		
		500
		760
		30° 15° 30°
		90* 90*
LED	XT-E HE	
FWHM / FWTM	Asymmetric	75° 200 200 75°
Efficiency	94 %	10
Peak intensity	0.6 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	
Light colour	White	400 400 gr*
Required compone	ints:	
		700
		15 ⁴ 15 ⁴ 0
		90* 90*
	EHP-2x6-IP-3535	<u>8</u> ,*
LED	EHP-2x6-IP-3535 Asymmetric	gr
LED FWHM / FWTM	EHP-2x6-IP-3535 Asymmetric 95 %	gi gi
LED FWHM / FWTM Efficiency	Asymmetric	91
LED FWHM / FWTM	Asymmetric 95 %	8°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.6 cd/lm	gr 71 61 61 61 61 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints:	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 %	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELECTRID LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELECTRID LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	



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LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	25
Efficiency	96 %	SUT TO A CONTRACT OF A CONTRAC
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	451 440
Required compone	ents:	200
		30° 700 10°
	FDS	
		90*
		750 200
FWHM / FWTM	Asymmetric	
Efficiency Book intensity	93 % 0.6 cd/lm	50
Peak intensity		
LEDs/each optic Light colour	1 White	400
Required compone		-d5* - 500
Required compone	ans.	
		700
		30° 13° 000 15°
	.EDS	
LED	LUXEON XR-TX (L2T0-xxyy012M)	
FWHM / FWTM	Asymmetric	780
FWHM / FWTM Efficiency	Asymmetric 94 %	.75 E
Efficiency		50°
	94 %	55° 500 500 500 500 500 500 500 500 500
Efficiency Peak intensity	94 % 0.7 cd/lm	45°
Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White	92
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	5° 60
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	60
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL LED FWHM / FWTM Efficiency	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL Efficiency Peak intensity	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMI Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	



MST Your solu	itions	
LED	RecLED 146x45mm 2900lm 730 STRADA-IP-2x6 G1	Ĩ
FWHM / FWTM	Asymmetric	75°
Efficiency	96 %	
Peak intensity	0.7 cd/lm	504 564
LEDs/each optic	1	***
	ı White	40
Light colour Required compone		d'
Required compone	ents.	
		600
		760
		30° 15° 0° 15° 30'
ØNICHI/		
		20°
	NVSW219F	73
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6'
Required compone	ents:	500
		600
		30° 15° 0° 15° 30°
WNICHI	N Contraction of the second seco	
		50° 50°
LED	NVSW319B	
LED FWHM / FWTM	NVSW319B Asymmetric	2°
LED FWHM / FWTM Efficiency	NVSW319B Asymmetric %	9° - 99 72° - 000 52° - 000 60° - 75 000 000 000 000 000 000 000 000 000 0
LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	5° 6° 6° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	90° 90° 60° 900 900 900 900 900 900 900 900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	50 ⁺
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIV LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	



ØNICHI		
LED	NVSW519A	
FWHM / FWTM	Asymmetric	130 730
Efficiency	96 %	
Peak intensity	0.5 cd/lm	504 504
LEDs/each optic	1	
Light colour	White	400 45*
Required component		500
		600
		700
		30° 13 ³ 0° 15° 30°
ØNICHI		93* 95*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	730 7 77
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required compone	nts:	
		700
		30* 800 50*
OSRAM		129 ³ () ⁶ 12 ⁶
OSRAM Opto Semiconductors		15° 0° 15°
LED	Duris S8	
LED FWHM / FWTM	Asymmetric	12 [°] ^{6°} 12 [°] 12 [°]
LED FWHM / FWTM Efficiency	Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White hts: S Fortimo FastFlex LED 2x6 DP G4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLEP LED FWHM / FWTM	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLIP LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed Equired componed FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLO FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLIP FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	



PHILIP	S	90° 90°
LED	Fortimo FastFlex LED 2x6 DP G5	
FWHM / FWTM	Asymmetric	100 75*
Efficiency	96 %	
Peak intensity	0.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45* 400 457
Required compone	nts:	
		500
		600
		30° 30°
PHILIF	20	13' 0" 13'
		90* 90*
	Fortimo FastFlex LED 2x6 DP HE	730 500 780
FWHM / FWTM	Asymmetric	
Efficiency	97 %	50* 20
Peak intensity	0.5 cd/lm	30
LEDs/each optic Light colour	1 White	
Required compone		45° 400 65°
Required compone	115.	50
		X/T/X
		640
		30* <u>15*</u> 80° 13* 30*
PHILIP	S	90* 90*
		50°
LED	Fortimo FastFlex LED 2x6 DPX G4	20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM		50° 30° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	97* 78* 79* 79* 79* 79* 79* 79* 79* 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 00 70 70 70 70 70 70 70 70 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Its:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Its:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Ints: HiLOM RH12 (LH351C) Asymmetric	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70 12 ³ 00 00 23 ³ 50 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70 12 ³ 00 00 23 ³ 50 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50



CUNUCI	ING	THY KHO
<u>S</u> ΛΜSΙ		90+ 90
LED	HiLOM RM12 ZP (LH502C)	750 770 770
FWHM / FWTM	Asymmetric	
Efficiency	96 %	50 ⁴ 60
Peak intensity	0.5 cd/lm	30
LEDs/each optic	1	
Light colour	White	45° 400 45
Required compone	nts.	200
		600
		30* 23 ⁵ 0 ⁶ 15 ⁶ 30'
SAMSI	ING	90*
LED	LH351Z	30. 30
FWHM / FWTM	Asymmetric	25* 00. 75
Efficiency	94 %	
Peak intensity	0.6 cd/lm	605 60
LEDs/each optic	1	
Light colour	White	45* 400 45
Required compone		
		500
		800
		130° 133 ⁵ 0° 15° 30°
SCIO	LUX	90* 90°
LED		
LED	ROY-S26XPL2 (XP-L2)	
	Asymmetric	20 200 70
LED FWHM / FWTM Efficiency		
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE)	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/m 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	



SCIO	LUX		ITA	KHT []
LED	XLE-S26XHP35 (XHP35 HD)		904	90*
FWHM / FWTM	Asymmetric		750	775
Efficiency	94 %		- ho	
Peak intensity	0.5 cd/lm		604	60*
LEDs/each optic	1			T V V
Light colour	White		400	$+ \wedge$
Required compone				1
riequired compone				
			600	TX
			700	-t + t
			30.0 312 00	10° 30°
SEOUL			ITHY I	ETT
	246 EDE0 modulo - CMID 202E042E XX		90*	90+
	2x6 5050 module - SMJD-3625012F-XX		750 300	the second
FWHM / FWTM	Asymmetric 94 %			
Efficiency Peak intensity	94 % 0.5 cd/lm		60°	604
LEDs/each optic	1		300	\sim \times /
Light colour	White		400	+XX
Required compone			45*	57
Required compone			200	TX
			600	$+$ \vee
				1
			30° 13° 0°	15* 30*
SEOUL				F-T-I
	ON IO DOOMAON		90*	90*
LED	SMJQ-D36W12Mx			
	A au mana atria		750	77
FWHM / FWTM	Asymmetric		200	
Efficiency	94 %		50 ⁵	60*
Efficiency Peak intensity	94 % 0.7 cd/lm	_	50 ¹	er.
Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1	_	20 60 ¹ 100 60	60
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White		80	er,
Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White		20 50 ¹ 6 ² 6 ² 6 ² 6 ² 6 ² 6 ² 6 ²	1000 A
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White		20 50 ¹ 50 ¹ 60 00	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White		20 50 67 69 69 69 69 69 69 69 69	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White			
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White		40 40 40 40 40 40 40 40 40 40 40 40 40 4	97. 97. 97. 97. 97. 97. 97. 97. 97. 97.
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/m 1 White hts:			25 26 26 20 20 20 20 20 20 20 20 20 20 20 20 20
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/m 1 White hts: SMJQ-D36W12Px		40 40 40 40 40 40 40 40 40 40 40 40 40 4	
Efficiency Peak intensity LEDs/each optic Light colour Required compone seour semiconductor LED FWHM / FWTM	94 % 0.7 cd/m 1 White hts: SMJQ-D36W12Px Asymmetric			87 87 87 87 87 87 87 87 87 87 87 87 87 8
Efficiency Peak intensity LEDs/each optic Light colour Required compone stout SEMICONDUCTOR LED FWHM / FWTM Efficiency	94 % 0.7 cd/m 1 White hts: SMJQ-D36W12Px Asymmetric 94 %			13° 0°
Efficiency Peak intensity LEDs/each optic Light colour Required compone stout SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m			25 26 26 26 26 26 26 26 26 26 26 26 26 26
Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m 1			25 26 26 26 26 26 26 26 26 26 26 26 26 26
Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucron LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m 1 White			100
Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m 1 White			
Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucron LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m 1 White			25 26 26 26 26 26 26 26 26 26 26 26 26 26
Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucron LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/m 1 White tts: SMJQ-D36W12Px Asymmetric 94 % 0.6 cd/m 1 White			



SEOUL		
SEOUL SEMICONDUCTOR	Z5M3	90° 90°
FWHM / FWTM	Asymmetric	75* 00 75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	53 ⁴ 59 ⁴
LEDs/each optic	1	
Light colour	White	
Required compone		50
rioquilou compone		
		700
		30° 15' 00 15° 30'
SEOUL		TT FT
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22	700 770
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 60°
Peak intensity	0.7 cd/lm	× / 140
LEDs/each optic	1 White	
Light colour Required component		45* 000 45*
Required component		
		\times \wedge \times
		1000
		30° 13° 0° 15° 30°
SEOUL		THAT ALL
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22P	
		25* 200 75*
FWHM / FWTM	Asymmetric	25 00 75
Efficiency	Asymmetric 94 %	
Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White	60 60 73 73 75 75 75 75 75 75 75 75 75 75
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.6 cd/lm 1 White hts:	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.6 cd/lm 1 White hts:	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required componen TRIDON LED FWHM / FWTM	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component TRIDON LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 %	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component TRIDON LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1 White	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1 White	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component TRIDON LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1 White	200 200 700
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White hts: RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.6 cd/lm 1 White	200 200 700



		90* A A A A A A A A A A A A A A A A A A A
LED	J Series 5050 Square LES	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60° 60°.
LEDs/each optic	1	× + **
Light colour	White	45* 460 30*
Required components:		
		540
		500
		30* <u>15</u> ° 30* 30*
		90* 90*
LED	XHP35 HD	
FWHM / FWTM	Asymmetric	730 730 730
Efficiency	88 %	1 mint
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	340
Light colour	White	45* 400 45*
Required components:		
		500
		00
		30* 30*
		132 30 15*
		90° 90
LED	XHP35 HI	- M
FWHM / FWTM	Asymmetric	737 100 770
Efficiency	90 %	
Peak intensity	0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	45* 400 45*
Required components:		
		600
		30* 700 30*
		90* 90*
LED	XP-G2 HE	M
FWHM / FWTM	Asymmetric	*
Efficiency	92 %	50* 200 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 1 de X
		20* 700 30*
		15° 0° 15°



	nc.	
		90* 90*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	30
Light colour	White	45* 400 45*
Required components:		
		500
		500
		30° 15° 30° 30°
	S	
LED	LUXEON 5050 Square LES	90° 90°
FWHM / FWTM	Asymmetric	75°
Efficiency	95 %	
Peak intensity	0.5 cd/lm	50° × × × × × × × × × × × × × × × × × × ×
LEDs/each optic	1	300
Light colour	White	
Required components:		400
····		20
		30* 15 ⁵ 26 ⁶ 15 ⁴ 30*
)S	96*
LED	LUXEON V2	Y
FWHM / FWTM	Asymmetric	736 200 73.
Emclency	92 %	
Efficiency Peak intensity		5)* •
Peak intensity	92 %	6 ¹⁴ 6 ¹⁴
Peak intensity LEDs/each optic	92 % 0.6 cd/lm	
Peak intensity	92 % 0.6 cd/lm 1	60° 60°
Peak intensity LEDs/each optic Light colour	92 % 0.6 cd/lm 1	60° 60°
Peak intensity LEDs/each optic Light colour	92 % 0.6 cd/lm 1	61 ⁴ 20 67 60 60 60 60
Peak intensity LEDs/each optic Light colour	92 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/lm 1	- 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/lm 1 White	- 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/lm 1 White NV4WB35AM	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 %	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m 1	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m 1	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m 1	500 500 500 500 500 500 500 500 500 500
Peak intensity LEDs/each optic Light colour Required components:	92 % 0.6 cd/m 1 White NV4WB35AM Asymmetric 94 % 0.6 cd/m 1	500 500 500 500 500 500 500 500 500 500



ΜΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	× · · · · · · · · · · · · · · · · · · ·
FWHM / FWTM	Asymmetric	735 800
Efficiency	92 %	
Peak intensity	0.7 cd/lm	.50* 50* 50*
LEDs/each optic	1	
Light colour	' White	$X \times / T \setminus X X$
Required components:	Wille	6° <u>500</u> 6°
Required components.		
		700
		30* 413 0° 10 [±] 30*
OCDAM		
OSRAM		90* 90*
LED	PrevaLED Brick HP IP 2x6	Y
FWHM / FWTM	Asymmetric	720
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
		\times
		000
		30* 700 30*
		15 ⁰ 0 ⁰ 15 ⁰
0000444		
OSRAM Opto Semiconductors		90* 99*
OSRAM Opto Semiconductors LED	OSCONIQ P 3737 (2W version)	90°
Opto Semiconductors	OSCONIQ P 3737 (2W version) Asymmetric	N
^{Opto Semiconductors} LED FWHM / FWTM	OSCONIQ P 3737 (2W version) Asymmetric 90 %	Y
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric	y .
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 %	y .
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.6 cd/lm	y .
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 % 0.6 cd/lm 1	73° 00 73° 60 00 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.6 cd/lm 1	73° 00 73° 60 00 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.6 cd/lm 1	73° 00 73° 60 00 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.6 cd/lm 1	73° 00 73° 60 00 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1 White	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version)	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 93 %	75° 000 72° 60 000 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.5 cd/lm	75° 000 75°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) 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 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.5 cd/lm	75° 000 75°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) 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 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) 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 90 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.5 cd/lm 1	



OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (3W version)	90-
FWHM / FWTM		730 000 700 700
	Asymmetric 93 %	
Efficiency		50° 50°.
Peak intensity	0.5 cd/lm	X
LEDs/each optic		
Light colour	White	é, , , , , , , , , , , , , , , , , , ,
Required components:		500
		600
		30* 30* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	Moo Noo
FWHM / FWTM	Asymmetric	
Efficiency	93 %	200
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$\times \times / \land \times \times$
Light colour	White	45* 400 55*
Required components:		500
		60
		710
		12 00 120
SAMSUN	IG	gr* gr*
LED	LH181B	i y
FWHM / FWTM	Asymmetric	731 500 782
Efficiency	94 %	X
Peak intensity	0.7 cd/lm	60° 60°.
LEDs/each optic	1	× + 400
Light colour	White	65°
Required components:		
		600
		700
		X - 300
		30° 45° 0° 15° 30°
SAMSUN	IG	
		90* 90*
	LH351B	236 00 705
FWHM / FWTM	Asymmetric	
Efficiency	93 %	.60° 60°
Peak intensity	0.5 cd/lm	X X 300 X
LEDs/each optic		$\times \times / \land \times \times$
Light colour	White	45* 400 45*
Required components:		
		30* 7% 30*
		15° 0° 15°



SAMSUN	IG	90°
LED	LH351D	
FWHM / FWTM	Asymmetric	75 200
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		400
		500
		600
		20° 15° 15°
SEOUL		
seoul semiconductor LED	Acrich MJT 4040	90* ·
EED FWHM / FWTM	Asymmetric	730
Efficiency	90 %	
Peak intensity	0.7 cd/lm	50 ⁴ 30
LEDs/each optic	1	400
Light colour	White	45* 540
Required components:	wine	50
required components.		600
		700
		X Nov
		30* 13 ⁴ 2 ⁶ 15* 3
SEOUL		
seoul semiconductor	Z5M1/Z5M2	90° 9
EED FWHM / FWTM	Asymmetric	750
Efficiency	91 %	- Cummer
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:	Wine	
required components.		
		30* 15 ⁵ 0 ⁶ 15*
SEOUL		THAY YEATT
	7014	90* ·
	Z5M4	750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	604
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 500
Required components:		
		70



SEOUL SEMICONDUCTOR	
LED	Z8Y22T
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components	8:



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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