

PRODUCT DATASHEET CS15761_STRADA-2X2MX-8-SCL

STRADA-2X2MX-8-SCL

Type II/III (Long) beam for very wide pole to pole distances. Ideal for pedestrian walkways and residential roads. EN13201 P-classes. New revision.

SPECIFICATION:

Dimensions	90.0 x 90.0 mm
Height	13.2 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



MATERIALS:

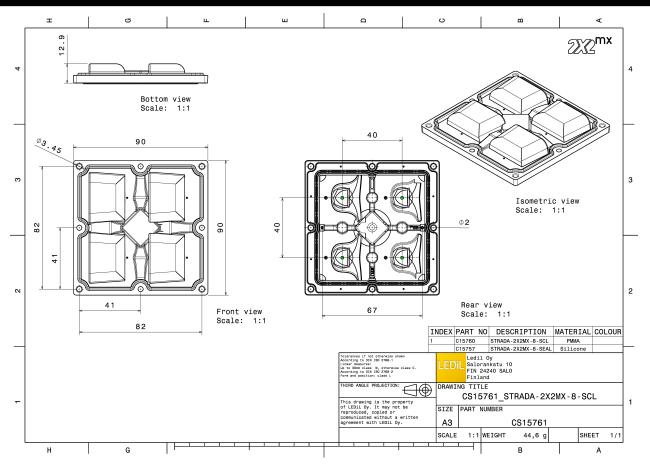
Component	Туре	Material	Colour	Finish
STRADA-2X2MX-8-SCL	Multi-lens	PMMA	clear	
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15761_STRADA-2X2MX-8-SCL	Multi-lens	156	52	52	7.9
» Box size: 480 x 280 x 300 mm					



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



-		
		90° 90°
LED	CXA/B 15xx	~ ~ ~
FWHM / FWTM	Asymmetric	75*
Efficiency	93 %	
Peak intensity	0.5 cd/lm	60"
LEDs/each optic	1	
Light colour	White	(5° (7)
Required compone	nts:	40
Bender Wirth: 44	1 Typ 2x2MX HV	
		200
		60
		30° 15° 0° 15° 30°
		90° 90°
LED	XHP50.2	
FWHM / FWTM	Asymmetric	13°
Efficiency	94 %	
Peak intensity	0.8 cd/lm	40
LEDs/each optic	1	
Light colour	White	12° 600 6°
Required compone	nts:	
		00
		\times / \times
		30° 15° 0° 35° 30°
		90* 90*
LED	XHP70.2	300
FWHM / FWTM	Asymmetric	
Efficiency	94 %	504 504
Peak intensity	0.5 cd/lm	
LEDs/each optic Light colour	1 White	40
Required component		(5° 500 6°*
Required component	10.	600
		700
		30° 15° 0° 15° 30°
		90° 90°
LED	XT-E HE	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
		60*
Peak intensity	0.6 cd/lm	X Joo X /
Peak intensity LEDs/each optic	0.6 cd/lm 1	
LEDs/each optic		
	1 White	
LEDs/each optic Light colour	1 White	6°.
LEDs/each optic Light colour	1 White	30 67 20 00
LEDs/each optic Light colour	1 White	30 67 20 60 70



-		
LUMIL	EDS	
LED	LUXEON M/MX	× · · · · · · · · · · · · · · · · · · ·
FWHM / FWTM	Asymmetric	20
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60%
		400
LEDs/each optic	1	$\vee \times / \wedge \times \vee$
Light colour	White	45* 600 45*
Required componer	IS:	
		300
		20° 1000 30°
	EDS	
		90° 90°
LED	LUXEON XR-7070 (L224-xxxx004MLU010)	
FWHM / FWTM	Asymmetric	73°
Efficiency	95 %	
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	$X / T \setminus X$
Light colour	White	45* 45*
Required componer	its:	600
		\times
		80
		30° 15° 0° 15° 30°
SAMSU	ING	
LED	HiLOM SC16 (LH181B)	
FWHM / FWTM	Asymmetric	739 100 780
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60 ⁶ 300 60*
LEDs/each optic	1	400
Light colour	White	
Required componer		NO 10

		30° 25° 30° 30°
SCIO		TY FT
		90° 90°
	PAL-LK-4950-740-48	750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	
Light colour	White	43° 000 43°
Required componer	IIS:	$ \times / \setminus \times$
		000
		\times / \times X
		30° 1000 30°
		15 ⁵ 0 ⁶ 15 ⁶



SCIO	IUX	
LED	XLE-S22C4XD16 (XD16)	90° 90°
FWHM / FWTM	Asymmetric	750 770 780
Efficiency	94 %	
Peak intensity	94 % 1 cd/lm	. 50° 400 60°.
-		
LEDs/each optic	4	X 600 X
Light colour	White	,45* 45 [*] .
Required component	11S:	80
		1000
		30° 15° 30°
SCIO		
23010		90° 90°
LED	XLE-S22C4XTEHE (XT-E HE)	100
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	X X X
LEDs/each optic	1	X / 400 X X
Light colour	White	45°
Required compone	nts:	× 100
		60
		700
		30* 3 ² 20 30*
25010		12 ⁵ 800 13 ⁵
SCIO		12 ⁻ 90 13 ⁻
LED	XLE-S22XHP50B (XHP50.2)	127 (0) 137 997
LED FWHM / FWTM	XLE-S22XHP50B (XHP50.2) Asymmetric	
LED FWHM / FWTM Efficiency	XLE-S22XHP50B (XHP50.2) Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/m 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component second semiconductor LED	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/m 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component second semiconductor LED FWHM / FWTM	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component second semiconductor LED FWHM / FWTM Efficiency	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White nts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S22XHP50B (XHP50.2) Asymmetric 94 % 0.8 cd/lm 1 White hts: WICOP 5050 Asymmetric 95 % 0.8 cd/lm 1 White	



SEOUL SEOUL SEMICONDUCTOR			90°
LED	Z8Y22		
FWHM / FWTM	Asymmetric		70 70 70
Efficiency	94 %		
Peak intensity	0.7 cd/lm		
LEDs/each optic	4		40
Light colour	White		at 500 at
Required compone	ents:		800
			70
			80
			30° 15° 80° 15° 30°



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bridgelux.		
LED	Bridgelux SMD 5050	90* 90*
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	92 % 0.7 cd/lm	50* 400 50*
LEDs/each optic	1	
Light colour	' White	
Required components:	Wille	e.
		800
		1000
		30 ⁺ 15 ² 0 ⁰ 15 ⁴ 30 ⁺
CITIZEN		
		90° 90°
LED	CLU700/701/702/703	71
FWHM / FWTM	Asymmetric	
Efficiency	89 %	60*
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	$X / T \setminus X$
Light colour	White	451 451
Required components:		60
Bender Wirth: 434 Ty	p 2x2MX HV	\times
		810
		30* mp 31*
		INT EFT
		90° 90°
LED	CMA1303	50° 50°
LED FWHM / FWTM	Asymmetric	94°
LED FWHM / FWTM Efficiency	Asymmetric 93 %	50° 50°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm	50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1	90° 73° 60° 700 70°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White	5° 5° 5° 60 60 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1 White	5° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White	5° 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREE LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREE LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 488 Ty CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 1 White p L4 HV XHP70.2 Asymmetric 78 % 0.3 cd/lm 1 White	



LED	XHP70.3 HD	
FWHM / FWTM	Asymmetric	700
Efficiency	90 %	
Peak intensity	90 % 0.6 cd/lm	. 60° 300 60°.
LEDs/each optic	1	
Light colour	White	45° 500 45°
Required components:		000
		740
		30* 35* 30 15* 30*
)S	
LED	LUXEON 5050 Round LES	90°
FWHM / FWTM	Asymmetric	70
Efficiency	92 %	$\times \times \times / \mathbb{M} \times \times$
Peak intensity	92 % 0.8 cd/lm	60° 400 60°
	1	
LEDs/each optic	ı White	
Light colour	white	- 45°
Required components:		\times
		1000
		1200
		30* 15 ⁵ 0 ⁶ 15 [*] 30 [*]
	S	
		»·
LED	LUXEON 7070	80° 90°
LED FWHM / FWTM	LUXEON 7070 Asymmetric	90 ⁴ 92 ⁴ 92 ⁵
LED FWHM / FWTM Efficiency	LUXEON 7070 Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm	90° - 90° 73° - 90° 60° - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	92° 92° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	9) 7) 7) 6) 6) 6) 60 6) 60 6) 6) 6) 6) 6) 6) 6) 6) 6) 6) 6) 7)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 %	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm 4	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 92 % 0.6 cd/lm 1 White NF2x757G Asymmetric 93 % 0.6 cd/lm 4	



ΜΝΙCΗΙΛ		
LED	NFMW48xA	
FWHM / FWTM	Asymmetric	730 775
Efficiency	92 %	
Peak intensity	0.7 cd/lm	53 ⁴ 400 61
LEDs/each optic	1	
Light colour	White	600
Required components:	Wille	45* 41
Required components.		
		30* 15 ⁵ 1900 15* 30*
ΜΝΙCΗΙΛ		91*
LED	NV4WB35AM	
FWHM / FWTM	Asymmetric	750 770 770
Efficiency	92 %	
Peak intensity	0.7 cd/lm	504 504
LEDs/each optic	1	500
Light colour	White	
Required components:		
		1000
		1230
		30° 30° 30°
Μ ΝΙCΗΙΛ		90* 90*
LED	NV4x144A	
FWHM / FWTM	Asymmetric	75°
Efficiency	91 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 65
Required components:		000
		\times
		800
		30* 30
		152 0° 158
MAIICHIA		THY VHI
ΜΝΙCΗΙΛ		90
LED	NVSxE21A	804
LED FWHM / FWTM	Asymmetric	80°
LED FWHM / FWTM Efficiency	Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm	6 ¹ 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 9	20 20 20 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 9	
LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.5 cd/lm 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 9	



ΜΝΙCΗΙΛ		91* A 4
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	the company of the
Efficiency	92 %	
Peak intensity	0.7 cd/lm	50° 6
LEDs/each optic	4	X/TXX
Light colour	4 White	
Required components:	Wilde	
required components.		000
		\times / \setminus \times
		1000
		¹ 30 ⁴ 15 ⁵ 0 ⁶ 15 ⁸ 30 ⁴
OSRAM Opto Semiconductors		90°
LED	Duris S8	
FWHM / FWTM	Asymmetric	73°
Efficiency	92 %	$X \times \times \times $
Peak intensity	0.7 cd/lm	50° 400 50'
LEDs/each optic	1	
Light colour	White	45* 600
Required components:		
		\times
		1000
		\times
		30* 30*
		19 1990 19
OSRAM Opto Semiconductors		12 1720 1720 90* 90*
Opto Semiconductors	OSCONIQ C 2424	
Opto Semiconductors	OSCONIQ C 2424 Asymmetric	
opto Semiconductors LED FWHM / FWTM	OSCONIQ C 2424 Asymmetric 93 %	
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm 4	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 4	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 4	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 4	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 4 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 4 White	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 4 White	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 4 White	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.7 cd/lm 4 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.7 cd/lm 4 White IH181B Asymmetric 92 %	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm 4 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 4 White Vhite LH181B Asymmetric 92 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 4 White Vhite LH181B Asymmetric 92 % 0.8 cd/lm	
orbo Semiconductors 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	Asymmetric 93 % 0.7 cd/lm 4 White Vhite LH181B Asymmetric 92 % 0.8 cd/lm 1	
orbo Semiconductors 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	Asymmetric 93 % 0.7 cd/lm 4 White Vhite LH181B Asymmetric 92 % 0.8 cd/lm 1	
opto Semiconductors 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	Asymmetric 93 % 0.7 cd/lm 4 White Vhite LH181B Asymmetric 92 % 0.8 cd/lm 1	



SEOUL SEMICONDUCTOR		
LED	Z8Y19	
FWHM / FWTM	Asymmetric	
Efficiency	91 %	MADE AND
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	600
Light colour	White	
Required component	S:	80
		1000
		1200
		*42 * *0 *22