

STRADA-2X2-ME-WIDE2

Beam with excellent longitudinal luminance uniformity for staggered pole setups fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

TECHNICAL SPECIFICATIONS:

Dimensions50.0 x 50.0 mmHeight7 mmFasteningpin, screwROHS compliantyes 1



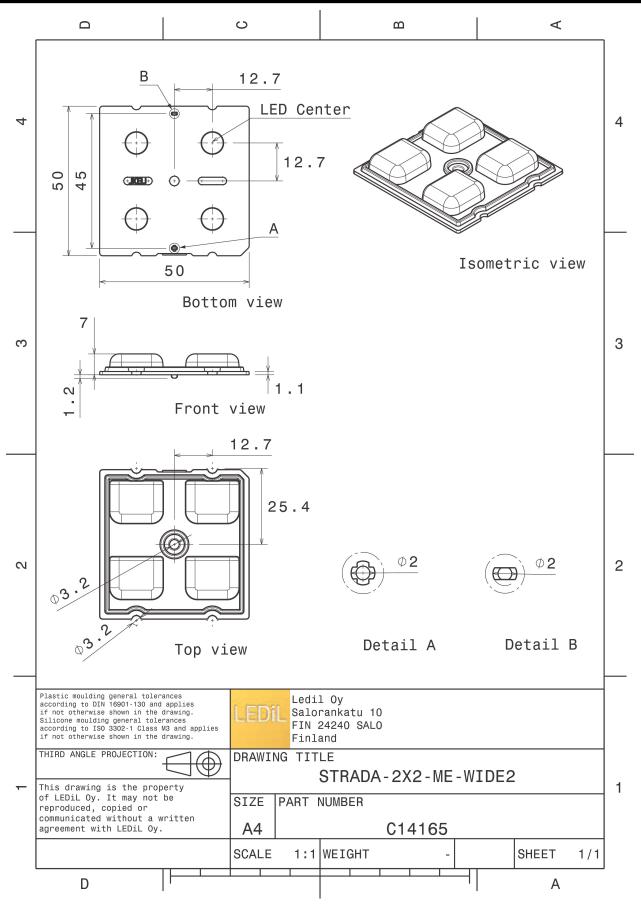
MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourFinishSTRADA-2X2-ME-WIDE2Multi-lensPMMAclear

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14165_STRADA-2X2-ME-WIDE2	800	160	160	7.6
» Box size: 480 x 280 x 300 mm				





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



CREE \$	•			FT
LED			90*	90*
	XD16		750 4	78
FWHM / FWTM	Asymmetric			
Efficiency	94 %		504	60*
Peak intensity	0.6 cd/lm		-20	
LEDs/each optic	4			
Light colour	White		30	0 45*
Required componer	its:			
			40	
			1	
			30° 500	0 10° 30°
				Y PT
CREE ÷	The second secon		90*	90*
LED	XD16		9	
FWHM / FWTM	Asymmetric		73°	· / /78'
Efficiency	94 %		XX	
Peak intensity	1.4 cd/lm		-60 ⁴	e
LEDs/each optic	1		\times	$X \times$
Light colour	White		45*	45*
Required componer	nts:			
				•
			30 60	0 30 15*
			10 0	
CREE ÷			90°	90*
		*	84 ⁴	90"
	XM-L3		30 ⁴ 70 ⁵	0
LED FWHM / FWTM	XM-L3 Asymmetric			
LED FWHM / FWTM Efficiency	XM-L3 Asymmetric 96 %			
LED FWHM / FWTM Efficiency Peak intensity	XM-L3 Asymmetric		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L3 Asymmetric 96 % 0.8 cd/lm 1		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White hts:		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White hts:		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts:		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White hts:		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White hts: XP-G2 Asymmetric		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White hts: XP-G2 Asymmetric 79 %		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm 1		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm 1 White		780 (10	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XM-L3 Asymmetric 96 % 0.8 cd/lm 1 White tts: XP-G2 Asymmetric 79 % 0.8 cd/lm 1 White tts:		780 (10	



LED FWHM / FWTM Efficiency Peak intensity	XP-G3 Asymmetric 84 % 0.7 cd/lm	50°
LEDs/each optic	1	20
Light colour	White	
Required compone		
Protective	plate, glass	
		30° 13 ⁵ 0° 15° 30°
CREE 🗧		50* 50*
LED	XP-G3	
FWHM / FWTM	Asymmetric	75*
Efficiency	87 %	
Peak intensity	0.9 cd/lm	60 ⁴ 20 60 ⁴
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required compone		
	A-2X2-SHD-WHT	400
_		\times / \top / \times
		500
		30* 13 ⁵ 0° 13* 30*
CREE 🗧	•	90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	75°
Efficiency	72 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45' 45'
Required compone		30
C17677_STRAD	A-2X2-SHD-BLK	
		400
		30* 30*
		15° 0° 15°
CREE -	>	12 ² 0 ⁴ 12 ²
		90 ⁴ 95 ³
LED	XP-L2	32° 4° 13° 80° 90° 90°
LED FWHM / FWTM	XP-L2 Asymmetric	20° - 200 - 200
LED FWHM / FWTM Efficiency	XP-L2 Asymmetric 83 %	20° 0° 13′ 20° 0° 13′ 20° 0° 0° 20° 0° 0°
LED FWHM / FWTM Efficiency Peak intensity	XP-L2 Asymmetric 83 % 0.5 cd/lm	20° - 200 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 Asymmetric 83 % 0.5 cd/lm 1	84 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 83 % 0.5 cd/lm 1 White	60 ⁴ 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 Asymmetric 83 % 0.5 cd/lm 1 White	50 Gr.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 83 % 0.5 cd/lm 1 White	50 Gr.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 83 % 0.5 cd/lm 1 White	60 ⁴ 69



COMIL	EDS	90 ⁺
LED	LUXEON V	90°
FWHM / FWTM	Asymmetric	750 7
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
		200
LEDs/each optic	1 White	
Light colour Required compone		45° 41
Required compone		
		400
		\times / \land λ
		30° 13 ⁵ 5% 15* 30
MST Your solut	line	
MST Your solut		90* 90
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	4
FWHM / FWTM	Asymmetric	100
Efficiency	95 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	657 300 65
Required compone	nts:	\times
		400
		X X
		30* 500 30
		72, 0, 72,
		90* 90'
LED	NVSW219F	75 7 7 70
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60 00
Peak intensity	0.9 cd/lm	200
LEDs/each optic	1	
Light colour	White	45* 45
Required compone	nts.	
		400
		\times / \setminus λ
		30* 13 ⁵ 5% 15* 30
ØNICHI		N M
LED	- NVSW319B	90
EED FWHM / FWTM	Asymmetric	770 7
Efficiency	94 %	
Peak intensity	94 % 0.9 cd/lm	50*
LEDs/each optic	0.9 co/m 1	
LEDS/each optic	1 White	
Required compone		45* 300 9
required compone		
		400
		30° 500 30 30° 13° 30° 30°



\frown		
∕∕ NICHI∧		90* 90*
LED	NVSW3x9A	
FWHM / FWTM	Asymmetric	73° 77°
Efficiency	85 %	-100
Peak intensity	0.7 cd/lm	50* 50*
LEDs/each optic	1	20
Light colour	White	6.
Required compone	nts:	
		400
		30 13 ⁵ 0° 15°
OSRAM Opto Semiconductors		90* 90*
LED	Duris S8	9
FWHM / FWTM	Asymmetric	73°
Efficiency	97 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	X / 30 X
Light colour	White	er er
Required compone	nts:	
		500
		$ X \top \langle X$
		500
		112 ³ 0 ⁴ 11 ⁵
PHILIF	5	90° 90°
LED	Fortimo FastFlex LED 2x8 DA G4	
FWHM / FWTM	Asymmetric	75 7 7
Efficiency	86 %	
Peak intensity	0.9 cd/lm	Los. Do.
LEDs/each optic	1	200
Light colour	White	45°
Required compone	nts:	30
Brotostivo		
FIDIECTIVE	plate, glass	
		30* 15 ⁶ 0 ⁶ 15 ⁵ 30*
		N M
PHILIF		90° 90'
LED	Fortimo FastFlex LED 2x8 DA G4+	20-
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric	90° 90' 73° 7 100 79'
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 %	99* 99 739 - 100 - 750 00* 60
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm	90* 75* 0* 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1 White	67



PHILIF	S	30* 90*
LED	Fortimo FastFlex LED 2x8 DAX G4	4
FWHM / FWTM	Asymmetric	75*
Efficiency	84 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required compone	ents:	300
Protective	e plate, glass	X X
		400
		30° 30° 30° 30°
SAMSI	JNG	90* 90
LED	HiLOM RC12 Z (LH181B)	3
FWHM / FWTM	Asymmetric	75*
Efficiency	99 %	
Peak intensity	1.2 cd/lm	50° 60'
LEDs/each optic	1	
Light colour	White	45° 400 45°
Required compone	ents:	X T X
		50
		30° 30°
0 0 0 0 0 0		45 ² 0 ⁶ 15 ⁵
SAMSI	JNG	90* 90*
	HiLOM RH12 Z (LH351C)	
LED		4
	Asymmetric	75°
FWHM / FWTM		
FWHM / FWTM Efficiency Peak intensity	Asymmetric 97 % 0.9 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.9 cd/lm 1	20 61 ⁴ 20 61 ⁴ 20 61 61 61 61
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White	50 ⁴ 20 ⁰ 69
FWHM / FWTM Efficiency Peak intensity	Asymmetric 97 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White	50 ⁴ 20 ⁰ 69
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White	50 ⁴ 20 ⁰ 69
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White	50 ⁴ 200 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 97 % 0.9 cd/lm 1 White ents:	6 ¹ 20 6 ¹ 40 60 80
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 97 % 0.9 cd/lm 1 White ents:	6 ¹ 20 6 ¹ 40 60 80
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 97 % 0.9 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C)	6 ¹ 290 6 6 1 40 <u>80</u> <u>90</u>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM	Asymmetric 97 % 0.9 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) Asymmetric	6 ¹ 20 6 ¹ 40 60 80
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	Asymmetric 97 % 0.9 cd/lm 1 White ents: UNC HiLOM RH16 (LH351C) Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 97 % 0.9 cd/lm 1 White ents: UNC HiLOM RH16 (LH351C) Asymmetric 94 % 0.8 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.9 cd/lm 1 White ents: UNC HiLOM RH16 (LH351C) Asymmetric 94 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.9 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.9 cd/lm 1 White ents:	



PHOTOMETRIC DATA (MEASURED):

2VIVI 21	JNG	
LED	HiLOM RM12 Z (LH502C)	90* 99
FWHM / FWTM	Asymmetric	75° 200 75
Efficiency	97 %	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	30
Required compone		
riequieu compone		400
		xie xie
		30° 15° 30
SAMSI	JNG	80* · · · · · · · · · · · · · · · · · · ·
LED	HiLOM RM16 Z (LH502C)	
FWHM / FWTM	Asymmetric	75* 200 -75
Efficiency	98 %	
Peak intensity	0.6 cd/lm	60° 60
LEDs/each optic	1	
Light colour	White	61 65
Required compone	ints:	400
		\times
		500
		130° 13 ⁵ 800 10° 30
SAMSU	JNG	50*
LED	HiLOM RM8 Z (LH502C)	4
FWHM / FWTM	Asymmetric	75* 100 75
Efficiency	97 %	
Efficiency Peak intensity	97 % 0.5 cd/lm	50 ⁴ 60
Peak intensity		
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	61 ⁻ 00
Peak intensity LEDs/each optic	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	6 ¹
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ints:	40
Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White Ints:	40
Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White Ints: UNG LH351B	40
Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White Ints: UNG LH351B Asymmetric	40
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	0.5 cd/lm 1 White Ints: UNG LH351B Asymmetric 94 %	40 50 50 50 50 50 50 50 50 50 50 50 50 50
Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	0.5 cd/lm 1 White INS: UNG LH351B Asymmetric 94 % 0.9 cd/lm	40 50 50 50 50 50 50 50 50 50 50 50 50 50
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White ints: UNG LH351B Asymmetric 94 % 0.9 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White INTS: UNC LH351B Asymmetric 94 % 0.9 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	0.5 cd/lm 1 White INTS: UNC LH351B Asymmetric 94 % 0.9 cd/lm 1 White	40 50 50 50 50 50 50 50 50 50 50 50 50 50
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White INTS: UNC LH351B Asymmetric 94 % 0.9 cd/lm 1 White	40 50 50 50 50 50 50 50 50 50 50 50 50 50
Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White INTS: UNC LH351B Asymmetric 94 % 0.9 cd/lm 1 White	

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PHOTOMETRIC DATA (MEASURED):

LED	LED-Pa-L15c2W11c2-xxx-C050-01
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	its:

stous semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 Asymmetric 94 % 0.9 cd/lm 1 White nts:		50° 500 50° 500 60° 500 60° 60 60° 60 60° 60° 60° 60° 60° 60°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M4 Asymmetric 97 % 0.9 cd/lm 1 White nts:		
seou semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22 Asymmetric 94 % 0.9 cd/lm 1 White nts:		



PHOTOMETRIC DATA (MEASURED):

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LEDTL1L4FWHM / FWTMAsymmetricEfficiency81 %Peak intensity0.8 cd/lmLEDs/each optic1Light colourWhiteRequired components

Protective plate, glass

TRIDONIC

LED	RL
FWHM / FWTM	As
Efficiency	94
Peak intensity	1.3
LEDs/each optic	1
Light colour	W
Required componen	ts:

RLE 2x4 2000lm HP EXC2 OTD symmetric 4 % .3 cd/lm Vhite :

TRIDON	NIC	90* 92*
LED	RLE 2x8 4000lm HP EXC2 OTD	4
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	67
Required compone	ents:	400
		30° 500 30° 30°
TRIDON		
TRIDON		99 ¹ 99 ²
LED	RLE G1 49x121mm 2000lm xxx EXC OTD	99* 99* 700 700 700
LED FWHM / FWTM	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric	90* 9* 75* 200 7*
LED FWHM / FWTM Efficiency	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 %	99 ¹⁰ 73 ¹⁰ 60 ¹
LED FWHM / FWTM Efficiency Peak intensity	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm	50° 9° 9° 9° 7° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1	50° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	90° 9° 70° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	90* 9* 50* 60* 50* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	80° 9° 75° 000 7° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	500 500 500 604 604 605 605 605 605 605 605 605 605



TRIDON	NIC .	90° - 90°
LED	RLE G1 49x133mm 2000lm xxx EXC OTD	3
FWHM / FWTM	Asymmetric	782
Efficiency	94 %	
Peak intensity	1.3 cd/lm	.50 ¹⁶ 400 50 ¹⁷
LEDs/each optic	1	
Light colour	White	45* 6%0 457
Required compone	ints:	
		1000
		30° 310
TRIDO		
TRIDON		90*
LED	RLE G1 49x223mm 4000lm xxx EXC OTD	4
FWHM / FWTM	Asymmetric	780
Efficiency	94 %	
Peak intensity	1.3 cd/lm	100 ⁻¹
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required compone	nts:	460
		\times
		560
		30* 35*
TRIDO		
		90°
LED	RLE G1 49x245mm 4000lm xxx EXC OTD	4
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50"
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	\$°
Required compone	nts:	400
		\times / \times /
		200
		30° 15° 30



CREE ≑		
LED	XHP35 HD	
FWHM / FWTM		75 7 75
	Asymmetric 94 %	
Efficiency		.60° 60°.
Peak intensity	0.5 cd/lm	
LEDs/each optic		
Light colour	White	45°
Required components:		
		400
		30° 500 30° 30°
CREE ≑		
		90°
LED	XP-G2 HE	.75° 7 100 75°
FWHM / FWTM	Asymmetric	
Efficiency	92 %	.60°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	X / w
Light colour Required components:	White	·6· 6·
Required components:		400
		200
		30* 15* 000 15* 30*
CREE ≑		
LED	XP-G3	90° - 90°
FWHM / FWTM	Asymmetric	73%
Efficiency	73 %	100
Peak intensity	0.6 cd/lm	60* 60*
LLEDs/each ontic		200
LEDs/each optic	1	
Light colour		.er .er
Light colour Required components:	1 White	6°
Light colour	1 White	.er .ye
Light colour Required components:	1 White (2-SHD-WHT	er 90 90 90 90 90 90 90 90 90 90 90 90 90
Light colour Required components: C17580_STRADA-2X Protective plate	1 White (2-SHD-WHT	-0° -0° -0° -0° -0° -0° -0° -0° -0° -0°
Light colour Required components: C17580_STRADA-2X Protective plate	1 White (2-SHD-WHT	90 ⁻
Light colour Required components: C17580_STRADA-2> Protective plate CREE 🚖	1 White (2-SHD-WHT e, glass	90° 12° 00° 12° 00° 00°
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED	1 White 22-SHD-WHT e, glass XP-L HD	30° 23° 0° 33° 30° 30° 23° 0° 33° 33°
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED FWHM / FWTM	1 White (2-SHD-WHT e, glass	201 201 200 200 201 200 201 200 201 201
Light colour Required components: C17580_STRADA-2X Protective plate CREEE LED FWHM / FWTM Efficiency	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric	90° 10° 10° 10° 10° 10° 10° 10° 1
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED FWHM / FWTM	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric 90 %	201 201 200 200 201 200 201 200 201 201
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White (2-SHD-WHT e, glass XP-L HD Asymmetric 90 % 0.7 cd/m	201 201 202 203 203 203 203 203 203 203
Light colour Required components: C17580_STRADA-22 Protective plate CREEE LED FWHM / FWTM Efficiency Peak intensity	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric 90 % 0.7 cd/m 1	50 ⁻ 50
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric 90 % 0.7 cd/m 1	50 ⁻ 50
Light colour Required components: C17580_STRADA-2> Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric 90 % 0.7 cd/m 1	50 50 50 50 50 50 50 50 50 50
Light colour Required components: C17580_STRADA-22 Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White 22-SHD-WHT e, glass XP-L HD Asymmetric 90 % 0.7 cd/m 1	50° 50° 50° 50° 50° 50° 50° 50°



CREE 🔶		
	XP-L2	90* 90*
LED FWHM / FWTM		780 5 780
	Asymmetric 80 %	100
Efficiency	0.4 cd/lm	604 604
Peak intensity		200
LEDs/each optic	1	
Light colour	White	45°
Required components:		\times / \times
Protective plate	, glass	400
		\times \land \land \times
1		30* 15 ⁵ 30 ⁹ 15 ⁴ 30 ⁴
CREE ≑		90* 90*
LED	XT-E	
FWHM / FWTM	Asymmetric	75°
Efficiency	80 %	100
Peak intensity	0.7 cd/lm	604 604
LEDs/each optic	1	200
Light colour	White	45*
Required components:		300
Protective plate	, glass	400
		$ \times / T \setminus \lambda $
		^{30*} 15 ³ 0 ⁶ 15 [*] 30 [*]
UMILED	IS	90* 90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	100 75°
Efficiency	84 %	La participant de
Peak intensity		60* 200 60*
	0.5 cd/lm	
LEDs/each optic	0.5 cd/lm 1	
LEDs/each optic Light colour		57 30 57
	1	5° 50
Light colour Required components:	1 White	5° 6° 6°
Light colour	1 White	
Light colour Required components:	1 White	200 -05 -05 -05 -05 -05 -05 -05 -
Light colour Required components: Protective plate	1 White e, glass	60
Light colour Required components: Protective plate	1 White e, glass	60
Light colour Required components: Protective plate	1 White e, glass DS LUXEON 5050 Round LES	60
Light colour Required components: Protective plate LED FWHM / FWTM	1 White e, glass DS LUXEON 5050 Round LES Asymmetric	20° 20° 20° 20°
Light colour Required components: Protective plate UDED FWHM / FWTM Efficiency	1 White e, glass DS LUXEON 5050 Round LES Asymmetric 94 %	20° 20° 20° 20°
Light colour Required components: Protective plate UED FWHM / FWTM Efficiency Peak intensity	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm	20° 20° 20° 20°
Light colour Required components: Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	
Light colour Required components: Protective plate Components Protective plate Components LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm	20° 20° 20° 20°
Light colour Required components: Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	
Light colour Required components: Protective plate Components: Protective plate Protective plate Components LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	
Light colour Required components: Protective plate Components: Protective plate Protective plate Components LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass S LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	



Μ ΝΙCΗΙΛ		90°
LED	NV4WB35AM	× h
FWHM / FWTM	Asymmetric	736
Efficiency	95 %	
Peak intensity	95 /o 0.6 cd/lm	50°
LEDs/each optic	1	X X
Light colour	u White	$X \times (X)$
Required components:	Wilde	45* 400
Required components.		
		000
		30° 15° 780 15°
ΜΝΙCΗΙΛ		90°
LED	NVSW519A	
FWHM / FWTM	Asymmetric	750
Efficiency	82 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required components:		
Protective plate	e, glass	\times / \top / \times
		30 15 ⁻ 0 ⁰ 15 ⁺ 3
ΜΝΙCΗΙΛ		90* 9
	NVSW519A	50*
LED FWHM / FWTM	NVSW519A Asymmetric	50° 5 78° 5 100 5
LED FWHM / FWTM		20
LED FWHM / FWTM Efficiency	Asymmetric	30 ⁻ 25 ⁻ 00 ⁻ 20 ⁻ 20 ⁻
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 %	347 737 100 100 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.6 cd/lm	97 73 10 10 10 10 10 10 10 10 10 10 10 10 10
LED	Asymmetric 92 % 0.6 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White NVSxE21A Asymmetric 82 % 0.7 cd/lm 1 White	



Image: Chiral Symmetric EB NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: Chiral Symmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Chiral Symmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Chiral Symmetric	
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components Protective plate, glass Image: Components Image: Components: Image: Components Protective plate, glass Image: Components Image: Components:	
Efficiency 81 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass VICHIN LED NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	
Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass	
LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective	
Light colour White Required components: Protective plats Protective plats Protec	
Required components: Protective plate, glass Protective plate, glass	100 m
Protective plate, glass Image: Chinage of the second s	37
IED NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	157
LED NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	
LED NVSxx19B/NVSxx19C FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	
FWHM/FWHM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	
Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White	in the second
LEDs/each optic 1 Light colour White	\sim $>$
Light colour White	
	$\left \right\rangle$
Required components:	
60	
30° <u>315</u> 0 ⁴	15*
OSRAM	FT
LED PrevaLED Brick HP 2x8	
FWHM / FWTM Asymmetric	$\langle \rangle >$
Efficiency 92%	~~~~
Peak intensity 0.9 cd/lm	$\langle X \rangle$
LEDs/each optic 1	\sim
Light colour White	
Required components:	
50	
60	
	15*
OSRAM Opto Semiconductors	\vdash
LED Duris S8	
FWHM / FWTM Asymmetric	
Efficiency 83 %	
Peak intensity 0.4 cd/lm	
LEDs/each optic 1	
Light colour White	
	\nearrow
Required components:	
Required components:	



OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	I may and a
Peak intensity	1 cd/im	60°
LEDs/each optic	1	
Light colour	White	20 25*
Required components:		
		400
		\times
		30° 30° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 (3W version)	4
FWHM / FWTM	Asymmetric	73°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60° 60*
LEDs/each optic	1	200
Light colour	White	45° 400 65°.
Required components:		$ X \top X $
		500
		500
		30* 31*
OCDAM		15 ² 15 ⁴
OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plate		
Fiblective plate	z, glass	
OSRAM		ITY FFI
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	90* 90*
ED FWHM / FWTM	Asymmetric	750 100 750
Efficiency	Asymmetric 92 %	
Peak intensity	92 % 0.9 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	0.9 cd/im 1	
Light colour	' White	
Required components:		
		40 70
		50 50 50



OSRAM		
Opto Semiconductors	OSI ON Severe CSSRM9/CSSRM9	90* 90*
	OSLON Square CSSRM2/CSSRM3	750 700
FWHM / FWTM	Asymmetric	
Efficiency	82 %	504
Peak intensity	0.6 cd/lm	200
LEDs/each optic	1	
Light colour	White	45*
Required components:		300
Protective plat		\times
		400
		30° 172 0° 17° 30°
OSRAM		
Opto Semiconductors	OSI ON Saurro CSSPM2/CSSPM2	90* 90*
LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3	750 750
Efficiency	Asymmetric 79 %	
-	0.5 cd/lm	.50*
Peak intensity		
LEDs/each optic	1 Milia	
Light colour	White	45* 43*
Required components:		
Protective plate	e, glass	\times / \times
		400
		30 ⁴ 15 ⁵ 0 ⁶ 15 ⁴ 30 ⁴
SAMSUN	IG	
LED	HiLOM RH12 Z (LH351C)	~ ~ ~
FWHM / FWTM	Asymmetric	750 70 700
Efficiency	82 %	
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	210
Light colour	' White	
	Wilke	45*
Required components:		
Protective plat	e. glass	400
		\times / \times /
		30* <u>15°</u> <u>960</u> <u>15</u> ° 30*
SAMSUN	IG	80 ⁴
LED	LH351D	
FWHM / FWTM	Asymmetric	751 751
Efficiency	75 %	
Peak intensity	0.4 cd/lm	en en
LEDs/each optic	1	200
		40° 45°
Lught colour		
Light colour	White	497 390
Light colour Required components:	White	300
Required components:		
		\$°
Required components:		5° 50 5° 5°



SEOUL SEOUL SEMICONDUCTOR		90* 91*
LED	MJT 5050	1
FWHM / FWTM	Asymmetric	73°
Efficiency	95 %	
Peak intensity	0.5 cd/lm	.50 ⁴ 60*.
LEDs/each optic	1	30
Light colour	White	45* 400 45*
Required components:		\times
		20
		600
		30*
		15 ⁵ 0 ⁶ 15 ⁺
		90° 90°
	SEOUL DC 5050 6V	9°
SEOUL SEMICONDUCTOR	SEOUL DC 5050 6V Asymmetric	91°
seoul semiconductor		72* 100 72.
seoul semiconductor LED FWHM / FWTM	Asymmetric	30 ⁴ 300 75 ⁴
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 95 %	2 ¹ 10 72
scoul seniconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.5 cd/lm	25 ⁴ 20 10 10 10 10 10 10 10 10 10 1
scoul seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.5 cd/lm 1 White	2 ³ 2 ³ 6 ⁴
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	2 ³ 2 ³ 6 ⁴
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	2 ³ 2 ³ 6 ⁴
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	2 ³ 2 ³ 6 ⁴



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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