

PRODUCT DATASHEET C14896_STRADA-2X2-PXL

STRADA-2X2-PXL

Fully asymmetric beam designed to highlight pedestrian crossings for left side traffic

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	8 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



MATERIALS:

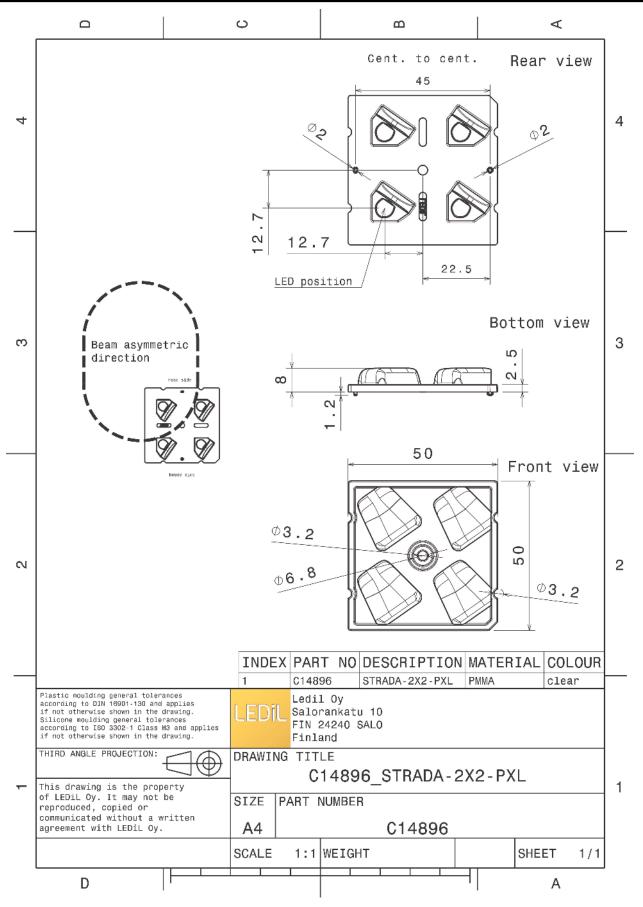
Component	Туре	Material	Colour	Finish
STRADA-2X2-PXL	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14896_STRADA-2X2-PXL	800	160	160	7.9
» Box size: 480 x 280 x 300 mm				



PRODUCT DATASHEET C14896_STRADA-2X2-PXL



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



LED	XD16	
FWHM / FWTM	Asymmetric	a h h h h
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	V XIXV
Light colour	White	$X / T \land X$
Required componer		
Required component	lið.	1
		\times / \times
		2.°
	EDS	
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	at the test
Efficiency	94 %	
Peak intensity	0.8 cd/lm	10 1 10 10
	1	
LEDs/each optic Light colour	White	X/X++\X
		e" 65
Required componer	IS.	N PHTY
		X / T / X
		2.4 <u>10</u> ¹ <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u>
	EDS	MA KA
LED	LUXEON MZ	
EED FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	ed the two
LEDs/each optic	1	
Light colour	White	
Required componer		
Required component	lið.	N The N
		XMAX
		2°
CUMIL	EDS	THE YEAR
		×
LED	LUXEON V	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
Peak intensity LEDs/each optic	1	
Peak intensity LEDs/each optic Light colour	1 White	200
Peak intensity LEDs/each optic	1 White	17 - 19 - 40 ⁴
Peak intensity LEDs/each optic Light colour	1 White	12 - 30 - 40 - 40 - 40 - 40 - 40 - 40 - 40
Peak intensity LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic Light colour	1 White	



ED RecLED 122:50mm 1900lm 730 2x4 Opt G1 WHM /FWTM Asymmetric Hildicinory 98 % Pask Intensity 1.2 culm EDs/each optice 1 Jight colour White Required components: Image: Culm optice WINCHIN ED ED NVSW219F WMM /FWTM Asymmetric Hidencry 0.4 % Pask Intensity 0.2 culm ED NVSW219F WMM /FWTM Asymmetric Hidencry 0.4 % Pask Intensity 0.2 culm ED seleach optice 1 Jight colour White Required components: Image: Culm ED NVSW319B Status WMM /FWTM Asymmetric Hidencry 9.4 % Pask Intensity 0.2 culm LED NVSW319B WMM /FWTM Asymmetric Status Hidencry 9.4 % Pask Intensity 0.2 culm EDS/each optice 1 Light colour White			
WHM / FVTM Asymmetric Efficiency 98 % eak intensity 98 % iteration White EDV cohor Hile igit colour White EDV NVSW219F WHM / FWTM Asymmetric findency 94 % Pack intensity 0.9 colim EDS kintensity 0.9 colim EDS kintensit	MST Your solu	tions	
findency 98 % Peak itensity 1.2 collm LEbs/each optic 1 Light colour White Required components: Image: Components of the symmetric Ifficiency 94 % Peak itensity 0.3 collm LED NVSW219F WMM / FWTM Asymmetric Ifficiency 94 % Peak itensity 0.3 collm LED NVSW319B WMM / FWTM Asymmetric Ifficiency 94 % Peak itensity 0.9 collm LEDs/each optic 1 Light colour White Required components: Image: Components Image: Components: Image: Components	LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	
filtelency 98 % Jack Intensity 12 culum LEDs/each optic 1 Jight colour White Required components: Image: Components in the system of the s	FWHM / FWTM	Asymmetric	20 N
EDs/each optic 1 ight colour White Required components: ED NVSW219F WVM/ /FVTM Asymmetric ifficiency 94% Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Required components: ED NVSW319B WVM/ FVTM Asymmetric ifficiency 94% Peak intensity 0.9 cd/m EDS/each optic 1 ight colour White Required components: ED NVSW219F ED NVSW219F WVM/ FVTM Asymmetric ifficiency 94% Peak intensity 0.9 cd/m ED is NVSW219B WVM/ FVTM Asymmetric ifficiency 94% Peak intensity 0.9 cd/m ED is NVSW219B WVM/ FVTM Asymmetric ifficiency 94% Peak intensity 0.9 cd/m ED is NVSW219B WVM/ FVTM Asymmetric ifficiency 94%	Efficiency	98 %	
LEbs'each optic 1 jet colour White Required components: PONICHIA LED NVSW219F WHM /FVTM Asymmetric fifticionary 94% Pack intensity 0.3 add/m LEbs/each optic 1 jet colour White Required components: PONICHIA LED NVSW319B WHM /FVTM Asymmetric fifticionary 94% Pack intensity 0.9 add/m LEDs/each optic 1 jet colour White Required components: PONICHIA LED NVSW319B WHM /FVTM Asymmetric fifticionary 94% Pack intensity 0.9 add/m LEDs/each optic 1 jet colour White Required components: PONICHIA LED NVSW219F LED NVSW21	Peak intensity	1.2 cd/lm	
ight colour White tequired components:	LEDs/each optic	1	× / + + / ×
Required components:	Light colour	White	
ED NVSW219F WHM / FVTM Asymmetric Efficiency 94 % Pask Intensity 0.9 cd/m LEDs/reach optic 1 ight colour White Required components: Image: Component State Image: Component State Image: Component State <		ents:	
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Image: Second			
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ED NVSW219F WHM / FVTTM Asymmetric Efficiency 94 % Peak intensity 0.9 col/m LED NVSW219F Required components: Image: Component (Component) Image: Component (Component) Image: Component) Image: Component (Component) NVSW219B Image: Component (Component) Image: Component) Image: Component (Component) NVSW219B Image: Component (Component) Image: Component) Image: Component) Image: Compo			* * * * *
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WHM / FWTM Asymmetric Ifficiency 94 % Peak intensity 0.9 cd/m Light colour White Required components: Image: Component State	LED		
Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 LEDs/each optic 1 Required components: ED NVSW319B WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: ED NVSK21A WHM / FWTM Asymmetric Efficiency 94 %			
Peak intensity 0.9 cd/lm LEDS/each optic 1 Light colour White Required components: ED NVSW319B WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDS/each optic 1 .ight colour White Required components: ED NVSK21A WHM / FWTM Asymmetric Efficiency 94 %			
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ight colour White Required components: ED NVSW319B WHM / FWTM Asymmetric fficiency 94 % Peak intensity 0.9 cd/m EDS/each optic 1 ight colour White Required components: ED NVSK21A WHM / FWTM Asymmetric fficiency 94 %			
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FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: White	LED		
Efficiency 94 % Peak intensity 0.9 cd/lm .EDs/each optic 1 .ight colour White Required components: CONCENN .ED NVSxE21A WHM / FWTM Asymmetric Efficiency 94 %			
Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: CONCHINE LED NVSxE21A WHM / FWTM Asymmetric Efficiency 94 %			
LEDs/each optic 1 Light colour White Required components:		0.9 cd/lm	
Light colour White Required components:			X
Required components:			
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ED NVSxE21A WHM / FWTM Asymmetric Efficiency 94 %			
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LED NVSxE21A FWHM / FWTM Asymmetric Efficiency 94 %	ØNICHI	N	- TY = MT.
FWHM / FWTM Asymmetric Efficiency 94 %	LED		· · · · ·
Efficiency 94 %			
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EDs/each optic 1	LEDs/each optic		
	Light colour		
Required components:			
			12* 20. 30*



OSRAM Opto Semiconductors		
LED	OSLON Square PC	
FWHM / FWTM	Asymmetric	at / h > to
Efficiency	94 %	
Peak intensity	1.1 cd/lm	se ///// we
LEDs/each optic	1	
		$X / 7 + T \setminus X$
Light colour	White	e V / V at
Required compone	nts:	100 - 100
		NIX
		10° 10° 10° 10° 10°
0.0.0.0		
SAMS	JNG	
LED	HiLOM RC12 Z (LH181B)	
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
SAMS	INC	THE VIT
		1 ¹¹
LED	HiLOM RH12 Z (LH351C)	at the the
FWHM / FWTM	Asymmetric	
Efficiency	97 %	10
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	XTAX
		V - m - V
<u> </u>		n ² 12. 37
SAMSU	JNG	
LED	HiLOM RH16 (LH351C)	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1 cd/im	
LEDs/each optic	1	
	ı White	NA++
Light colour		
Required compone	116.	
		XT
		X Juin X
1		w w ∼ w >



SAMS	IING	
LED	HiLOM RM12 Z (LH502C)	27 X
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	N/++/V
SAMS	UNG	THE FIL
LED	HiLOM RM16 Z (LH502C)	*
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		XITX
SAMS	IING	TAN DAT
LED		
	HiLOM RM16 Z (LH502C)	
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency	Asymmetric 90 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.9 cd/lm	10 10 10 10 10 10 10 10 10 10 10 10 10 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/lm 1 White ents:	10 _ 10 _ 10
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNG	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMSI LED	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNG HiLOM RM8 Z (LH502C)	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMSI LED FWHM / FWTM	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNG	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMSI LED FWHM / FWTM Efficiency	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNG HiLOM RM8 Z (LH502C) Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMS LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNG HiLOM RM8 Z (LH502C) Asymmetric 92 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.9 cd/m 1 White ents: e plate, glass UNG HiLOM RM8 Z (LH502C) Asymmetric 92 % 0.9 cd/m	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMSI LED FWHM / FWTM	Asymmetric 90 % 0.9 cd/m 1 White ents: e plate, glass UNC HiLOM RM8 Z (LH502C) Asymmetric 92 % 0.9 cd/m 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNCC HiLOM RM8 Z (LH502C) Asymmetric 92 % 0.9 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/m 1 White ents: e plate, glass UNC HiLOM RM8 Z (LH502C) Asymmetric 92 % 0.9 cd/m 1 White	
EWHM / FWTM Efficiency Peak intensity EDs/each optic Light colour Required compone Protective SAMSS ED EWHM / FWTM Efficiency Peak intensity EDs/each optic Light colour Required compone	Asymmetric 90 % 0.9 cd/lm 1 White ents: e plate, glass UNCC HiLOM RM8 Z (LH502C) Asymmetric 92 % 0.9 cd/lm 1 White ents:	



SAMS	JNG	
LED	HILOM RM8 Z (LH502C)	
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	VTAV
		\times $/$ \times \times
SAMSI	ING	THY FFT
LED	LH351B	*
LED FWHM / FWTM		
Efficiency	Asymmetric 94 %	
Peak intensity	0.9 cd/lm	er /
LEDs/each optic	1	
Light colour	White	
Required compone		
rtoquilou compone		\times \land \times
		1° 10' 10' 10' 10' 10' 10' 10' 10' 10' 10'
SEQUE SEMICONDUCTOR		
LED	Z5M3	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required compone	ints:	
		X T W X
CROIA		
SEQUE SEMICONDUCTOR	70/00	· · · · · · · · · · · · · · · · · · ·
	Z8Y22	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1 cd/lm 1	
LEDs/each optic	1 White	
Light colour		
Required compone	ints:	192
	ints:	
	ints:	A



TRIDO	NIC	
LED	RLE 2x4 2000lm HP EXC2 OTD	5
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	X
TRIDO		r v v v
LED	RLE 2x8 4000lm HP EXC2 OTD	****
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required compone	ents:	
		2° 10 10 10 10 10 10 10 10 10 10 10 10 10



	VD CO	
	XP-G2	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	10 / / / / / / / / / / / / / / / / / / /
Peak intensity	1.1 cd/lm	17 XIIVA
LEDs/each optic	1	X / 19
Light colour	White	$e \sim / / \sim \times$
Required components:		55
		2.* m
		THE KAN
LED	XP-G2 HE	
FWHM / FWTM		
Efficiency	Asymmetric 95 %	A CARACTER AND A CARACTER ANTER ANTE
Peak intensity	95 % 0.9 cd/lm	
		X X A
LEDs/each optic Light colour	1 White	\times \times 1 \times 1
Required components:	White	
Required components:		
		X T-F-T
LED	XP-G3	
FWHM / FWTM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.8 cd/lm	22° - 10-
LEDs/each optic	1	
Light colour	White	
Required components:	Wine	
riequieu componentei		
Protective plate	glass	X PT 3
		11
LED	XP-P	
FWHM / FWTM	Asymmetric	er v
Efficiency	84 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	\times / \uparrow \uparrow \times
Light colour	White	$Z \times I \setminus X$
Required components:		
- 1		$\times / \times \times$
Protective plate	glass	1 total
		$\sim 1 \sim 1$
		2 ⁻¹



		THAT
LED	XT-E	
FWHM / FWTM	Asymmetric	of the the
Efficiency	93 %	A AND A
Peak intensity	1.1 cd/lm	
-		
LEDs/each optic	1 Mhite	
Light colour	White	4° 40°
Required components:		
LED	XT-E	
FWHM / FWTM	Asymmetric	
Efficiency	79%	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	\times \rightarrow \times \times
Light colour	White	
Required components:		
Protective plate	, glass	
		X 1 X
		1* W W
	S	
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	
Efficiency	85 %	
Peak intensity	0.8 cd/lm	1." () in () i
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plate	, glass	
	S	
		si'
LED	LUXEON 5050 Square LES	
LED FWHM / FWTM	LUXEON 5050 Square LES Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON 5050 Square LES Asymmetric 85 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 85 % 0.8 cd/lm 1 White	



LUMILED)S	
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		\bigvee \rightarrow \rightarrow \checkmark \bigvee
		Tr. Jan
	5	
	LUXEON HL2X	ATT ON THE
FWHM / FWTM	Asymmetric 94 %	
Efficiency Peak intensity	94 % 1 cd/lm	
LEDs/each optic	1	
Light colour	White	XAXXX
Required components:	White	
Required components.		X T- X
		T' H' e' 17' S
	S	
LED	LUXEON HL2X-P	
FWHM / FWTM	Asymmetric	at the to
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	$X \rightarrow X$
Light colour	White	
Required components:		
		N The TV
	DS	. TAY AT.
LED	LUXEON TX	
FWHM / FWTM	Asymmetric	et the the
Efficiency	95 %	A A A A A A A A A A A A A A A A A A A
LINGIONOY	1.1 cd/lm	
Peak intensity	1	
Peak intensity LEDs/each optic		
Peak intensity LEDs/each optic Light colour Required components:	1 White	
Peak intensity LEDs/each optic Light colour		$X \times (\land X)$
Peak intensity LEDs/each optic Light colour		r
Peak intensity LEDs/each optic Light colour		67 <u>195</u>



C LUMILE	S	
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	A start and a start and a start
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		X T- X
		V - 192
	S	
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	
FWHM / FWTM	Asymmetric	et la la
Efficiency	83 %	
Peak intensity	0.8 cd/lm	10 - 10 -
LEDs/each optic	1	
Light colour	White	to the the the test of
Required components:		
		\times $/$ \times \times
Protective plate	a, glass	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ØNICHIA		
LED	NV4WB35AM	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	r / /
Required components:		
		× / ×
		V T
ØNICHIA		.TATI
LED	NVSW219D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.1 cd/lm	12
LEDs/each optic	1	
Light colour	White	
Required components:		- WT
Protective plate	a dass	Xttx
Frotective plate	z, yiaoo	X - m -)



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A Asymmetric 94 % 0.8 cd/lm 1 White	
ØNICHIA		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A Asymmetric 86 % 0.7 cd/lm 1 White	
Protective plate	e, glass	Att
		μ ¹ μ ² μ ² μ ² μ ² μ ²
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C Asymmetric 92 % 1 cd/lm 1 White	
OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	PrevaLED Brick HP 2x8 Asymmetric 93 % 1.2 cd/lm 1 White	



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OSRAM		
Opto Semiconductors	Duris S8	*
LED FWHM / FWTM		at the state
	Asymmetric 94 %	
Efficiency Peak intensity	94 % 0.8 cd/lm	ni Anna Anna
LEDs/each optic	1	XX++XX
Light colour	White	
Required components:		NAV
		\times $(\top \times$
		1° 10 10 10 10 10 10 10 10 10 10 10 10 10
OSRAM Opto Semiconductors		
LED	OSCONIQ S 5050	
FWHM / FWTM	Asymmetric	at the top
Efficiency	95 %	
Peak intensity	0.8 cd/lm	10 - 10 - W
LEDs/each optic	1	
Light colour	White	
Required components:		
		X X
		μ. μ. μ. μ. μ. μ.
OSRAM		THY SAL
Opto Semiconductors	OCI ON Servere CCCDM2/CCCDM2	
LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3	at log the
Efficiency	Asymmetric 80 %	
Peak intensity	0.9 cd/lm	10 - 30 - 60
LEDs/each optic	1	
Light colour	White	
Required components:	White	** / / · · · / / *
Required components.		
Protective plate	, glass	XITX
		X The A X
		i v y w
OSRAM		
Opto Semiconductors		*
LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3	at the to
Efficiency	Asymmetric 93 %	
Peak intensity		se in in
LEDs/each optic	1.2 cd/lm 1	V H.K.M
Light colour	White	
	Wilko	
		1
1		N2
Required components:		



AMSUNG
D LH351B HM / FWTM Asymmetric ciency 83 % ik intensity 0.7 cd/lm Ds/each optic 1
Protective plate, glass
MJT 5050 HM / FWTM Asymmetric
ciency 95 % k intensity 0.8 cd/lm
Ds/each optic 1 nt colour White



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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

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