

PRODUCT DATASHEET C15594_STRADA-2X2-MEW

STRADA-2X2-MEW

Beam with extremely low glare fulfilling EN13201 M-class requirements for wet road surfaces in North Europe

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	10.2 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIALS:

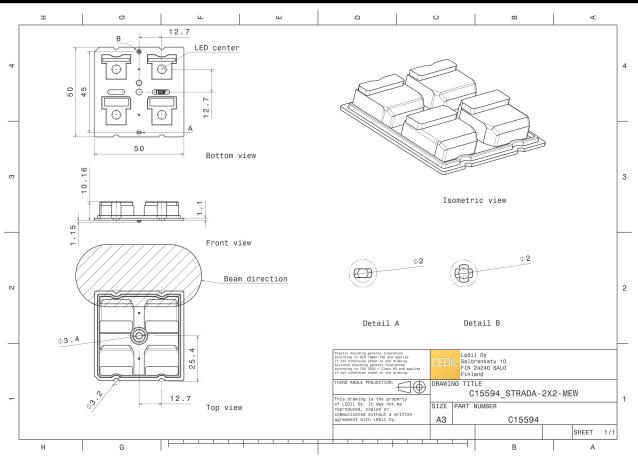
Component	Туре	Material	Colour	Finish
STRADA-2X2-MEW	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15594_STRADA-2X2-MEW	800	160	160	9.6
» Box size: 480 x 280 x 300 mm				



PRODUCT DATASHEET C15594_STRADA-2X2-MEW



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



LED	XD16	
FWHM / FWTM	Asymmetric	73
Efficiency	94 %	
Peak intensity	0.7 cd/lm	en and en
LEDs/each optic	4	
Light colour	4 White	
Required compone		(0° 40
Required compone		
		20
		-30° <u>15</u> ° 0° 15° 30°
	1	9 ⁴
LED	- XD16	
FWHM / FWTM	Asymmetric	78 10 78.
Efficiency	94 %	
Peak intensity	1.1 cd/lm	614 204 604
LEDs/each optic	1	
Light colour	White	
Required compone		
		\times
		-30°
		80° 90°
LED	XP-G2	5
FWHM / FWTM	Asymmetric	780 500 782
Efficiency	94 %	
Peak intensity	1.1 cd/lm	60 60.
LEDs/each optic	1	
Light colour	White	49
Required compone		40
		200
		\times
		600
		20 ⁴ 29 ⁴ 0 ⁴ 29 ⁴ 30 ⁴
		94°
LED	XP-G3	5
FWHM / FWTM	Asymmetric	730 500 775.
Efficiency	86 %	X
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	X X ***
Light colour	White	
Required compone		***
Protective	plate, glass	X
TIOLOGING		
1 TOLEGUVE		



		50°
LED	XP-L HI	
FWHM / FWTM	Asymmetric	751 00 75*
Efficiency	94 %	
Peak intensity	1.1 cd/lm	604 200
LEDs/each optic	1	
Light colour	White	
Required compone		400
		640
		30° 15° 30°
	EDS	90* 90*
LED	LUXEON 5050 Round LES	4
FWHM / FWTM	Asymmetric	234 200 25.
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	30
Light colour	White	451 400 454
Required compone	nts:	$X \land X$
		30° 500 30°
	EDS	
LED	LUXEON TX	90* 90*
EED FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	92 %	
Peak intensity	1.1 cd/lm	50 ⁴ 200 60 ⁴
LEDs/each optic	1	
Light colour	White	57
Required compone		400
		20
		60
		 20° 45 ⁵ 0° 15° 50°
UMIL	EDS	90* 92*
LED	LUXEON V	5
FWHM / FWTM	Asymmetric	724 200 751
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60° 60°
LEDs/each optic	1	30
Light colour	White	45°
Required compone	nts:	400
		30° 000
		15 ⁵ 0 ⁶ 15°



MST Your solut	ions	90°
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	90° 90°
FWHM / FWTM		754 00 754
	Asymmetric 97 %	
Efficiency		604 604
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	400 65%
Required compone	nts:	
		500
		600
		30* 30*
		13 9, 10,
ØNICHI ∕		90* 90*
LED	NVSW219D	5
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	1 cd/lm	60*
LEDs/each optic	1	× / **
Light colour	White	45* 460 45*
Required compone		
		600
		30° 15° 30° 15° 30°
LED	NVSW219F	90* 90*
FWHM / FWTM	Asymmetric	75* 00 75*
Efficiency	94 %	
Peak intensity	1 cd/lm	.007
LEDs/each optic	1	
Light colour	' White	
Required compone		6° 400 6°
Required compone	115.	
		600
		30° 15° NO 15° 30°
ØNICHI		
		90* 90*
LED	NVSW319B	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	60° 20 60°
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	451 440 451
Required compone	nts:	
		X
		000
		30°
		15 ⁵ \$\$\$ 15 ⁴



OSRAM		50* 50*
LED	PrevaLED Brick HP 2x8	9
FWHM / FWTM	Asymmetric	25. 80
Efficiency	87 %	20
Peak intensity	1 cd/lm	e core
LEDs/each optic	1	30
Light colour	White	45* 400 45
Required compone	nts:	
		200
		30* 30
OSRAM		11 ⁵ 10 ⁵ 10 ⁵
Opto Semiconductors		90° 90'
LED	Duris S8	4
FWHM / FWTM	Asymmetric	75
Efficiency	96 %	50 ⁴ 0
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	43°
Required compone	nts:	
		30° 135 0° 15° 30°
OSRAM		
Opto Semiconductors		90* 90*
	001 011 0 0000000000	6
	OSLON Square CSSRM2/CSSRM3	73*
FWHM / FWTM	Asymmetric	B1
FWHM / FWTM Efficiency	Asymmetric 87 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 % 1 cd/lm	72° 00° 720 00° 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 87 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 87 % 1 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 87 % 1 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 87 % 1 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm 1 White	57 <u>100</u> 50 <u>50</u>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Protective Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm 1 White	



PHILIF	PS S	90*
LED	Fortimo FastFlex LED 2x8 DA G4	5
FWHM / FWTM	Asymmetric	730 700 7
Efficiency	94 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	30
Light colour	White	457 400
Required compone	ents:	
		× 1 ×
		600
		30° 15° 30
PHILIF	DS	90°
LED	Fortimo FastFlex LED 2x8 DA G4+	6
FWHM / FWTM	Asymmetric	751 00 7
Efficiency	94 %	
Peak intensity	1 cd/lm	60*
LEDs/each optic	1	× ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Light colour	White	45° 400 41
Required compone	onts:	
		30*
		452 0° 155
SVWSI		90°
LED	HiLOM RC12 Z (LH181B)	57 5
LED FWHM / FWTM	HiLOM RC12 Z (LH181B) Asymmetric	9 ⁴ 9 75 7
LED FWHM / FWTM Efficiency	HiLOM RC12 Z (LH181B) Asymmetric 96 %	57 5 72 7 66 7 7 6
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm	97° 9 72° 9 64° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1	99 [*] 9 72 [*] 7 64 [*] 7 [*] 7 [*] 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	9)* 70 6)* 6)* 6)* 6)* 6)* 6)* 6)* 6)*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	9° 75 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	90° 9 75° 9 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	9° 75 66 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	30° (° 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	
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	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	



SAMSL	INC		INY	KHT
			90*	9
LED	HiLOM RH16 (LH351C)		250	X
FWHM / FWTM	Asymmetric			
Efficiency	94 %		50°	\frown \land \land
Peak intensity	1 cd/lm		X X 30	$\langle \rangle$
LEDs/each optic	1		$X \times I$	
Light colour	White		45° 400	TY.
Required compone	Ints:		500	
			30* 700 15 ⁹ 0 ⁹	15* 3
<u> </u> S M S I	ING			T .
LED	HiLOM RM12 Z (LH502C)		90.	,
FWHM / FWTM	Asymmetric		754	×,
Efficiency	97 %			
Peak intensity	0.7 cd/lm		60° 20	
LEDs/each optic	1		X /	$\langle \rangle X$
Light colour	White		45°	
Required compone			400	$+ \checkmark$
			640	
			30* 15 ⁵ 0 ⁹	15* 30'
SAMSL	ING			F
			90°	90
	HiLOM RM16 Z (LH502C)		90°	90
LED			39°	25
LED FWHM / FWTM	HiLOM RM16 Z (LH502C)		34°	9
LED FWHM / FWTM Efficiency	HiLOM RM16 Z (LH502C) Asymmetric		9°	
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM16 Z (LH502C) Asymmetric 98 %		8°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		5°.	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		9°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		8°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		9°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints:		0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints:		30, 30, 6, 6, 60 60 8, 60 60	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints:		21 21 21 21 21 21 21 21 21 21	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints: UNG HiLOM RM8 Z (LH502C) Asymmetric		34 34 34 34 34	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White Ints:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALNSL ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ints:			
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	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ints:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ints:			
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	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ints:			
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	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ints:			



SEOUL		
	75.10	90° 90°
	Z5M3	20 20 75
FWHM / FWTM Efficiency	Asymmetric 96 %	
Peak intensity	90 % 0.9 cd/lm	dar 201 ad
	1	
LEDs/each optic Light colour	ı White	
Required compone		q2, f(0 d.,
	ans.	
		20
		60
		30° 15 ⁴ 0° 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M4	20
FWHM / FWTM	Asymmetric	
Efficiency	97 %	5.0* 200 604.
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 43*
Required compone	ents:	20
		60
		30" 10 ⁵ 700 30"
SEOUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	Z8Y22	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	est and the set
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
Required compone	ents:	40
		× 100
		30° 30° 46 15° 30°
TDIDON		
TRIDON		
LED	RLE 2x4 2000lm HP EXC2 OTD	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	

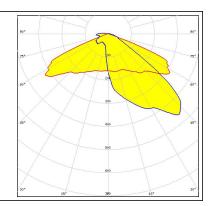


TRIDONIC

LED

FWHM / FWTM As Efficiency 94 Peak intensity 1.: LEDs/each optic 1 Light colour W Required components:

RLE 2x8 4000lm HP EXC2 OTD Asymmetric 94 % 1.2 cd/lm 1 White





bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	J Series 5050B 6V K Class Asymmetric 84 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XHP35 HD Asymmetric % 1 White	2 ² 4 2 ²
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XHP35 HI Asymmetric % 1 White	



LED	XM-L2	
FWHM / FWTM	Asymmetric	
Efficiency	0 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
		90° 90°
LED	XP-G2	5
FWHM / FWTM	Asymmetric	73* 00 77*
Efficiency	83 %	X
Peak intensity	0.8 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	6° 65
Required components:		400
		\times
Protective plate	, glass	500
		30 000 30 13 ² 000 15 ⁴
		50° 50°
LED	XP-G2 HE	Cy
FWHM / FWTM	Asymmetric	73° 00 775°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	60*
LEDs/each optic	1	200
Light colour	White	65* 400 65*
Required components:		XITX
		000
		30* <u>15</u> 0 [*] <u>15</u> * <u>30</u> *
		90° 90°
LED	XP-G4	and the second s
FWHM / FWTM	Asymmetric	736 782
Efficiency	96 %	
Peak intensity	0.9 cd/lm	60° X / / 50°
LEDs/each optic	1	
Light colour	White	45°
Required components:		\times $ $ \times
		000
		\times / \mid \setminus \times



IED XP-G4 FWHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: mark of the symmetric Efficiency 93 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: Image: mark of the symmetric Efficiency 93 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: Image: mark of the symmetric Efficiency 93 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: Image: mark of the symmetric Efficiency YP-L2 FWHM / FWTM Asymmetric Efficiency 94 %
LED XP-G4 FWHM / FWTM Asymmetric Efficiency 84% Peak intensity 0.7 c0/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass CREE CLED LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93% Peak intensity 0.9 cd/m LEDs/each optic 1 LEDs/each
FWHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components Protective plate, glass Image: Components CEEE \$\LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components CEEE \$\LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components EED XP-L2 FWHM / FWTM Asymmetric
Efficiency 84 % Peak intensity 0.7 cd/lm LEDs/each optic 1 LEDs/each optic glass CREECIED LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 LEDs/each
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: market of the symmetric of the sym
LEDs/each optic 1 Light colour White Required components: Protective plate, glass CREECIED LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: CREECIED LED XP-L2 FWHM / FWTM Asymmetric
Light colour White Required components: Protective plate, glass CREE\$LED LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: EFFE LED XP-L2 FWHM / FWTM Asymmetric
Required components: Protective plate, glass CREE (LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:
Protective plate, glass Image: mail of the symmetric symmetr
CREE\$LED LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: CREE\$LED LED XP-L2 FWHM / FWTM Asymmetric
LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components in the image: Component in the image: Comp
LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Vhite CREE XP-L2 FWHM / FWTM Asymmetric
LED XP-L HD FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Components in the image: Component in the image: Comp
FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Creating the symmetric CREE XP-L2 FWHM / FWTM Asymmetric
Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: CREE LED LED XP-L2 FWHM / FWTM Asymmetric
Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: CREE CED LED XP-L2 FWHM / FWTM Asymmetric
LEDs/each optic 1 Light colour White Required components:
Light colour Required components: White CREECIED LED XP-L2 FWHM / FWTM Asymmetric
Required components:
LED XP-L2 FWHM / FWTM Asymmetric
FWHM / FWTM Asymmetric
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
20
60
Soft Proj
LED XT-E
FWHM / FWTM Asymmetric
FWHM / FWTM Asymmetric Efficiency 81 %
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White



M LUMILED	DS	90* 91*
LED	LUXEON 5050 HE	<u> </u>
FWHM / FWTM	Asymmetric	75° 200 775°
Efficiency	84 %	
Peak intensity	0.6 cd/lm	60* 200 60*
LEDs/each optic	1	
Light colour	White	
Required components:		400
Desta stitus relati		
Protective plate	, glass	
		30* 15 ⁵ 0 ⁶ 15 ⁵ 31 ⁴
)S	90 ⁺
LED	LUXEON 5050 Round LES	5
FWHM / FWTM	Asymmetric	73° 200 78°
Efficiency	87 %	
Peak intensity	0.6 cd/lm	1,50°
LEDs/each optic	1	
Light colour	White	er er
Required components:		400
Protective plate		500
Protective plate	, glass	\times / \times
		130° 23 ⁵ 0° 15° 30°.
)S	90" 90"
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	73°
Efficiency	84 %	
Peak intensity	0.6 cd/lm	60° 60°.
LEDs/each optic	1	30
Light colour	White	45 45
Required components:		XIIX
Desta stices also		50
Protective plate	, glass	
		30° 23 ⁵ 0° 15° 30°
)S	w, w,
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	750 757
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		$ \land \land$
		\times / \times /
		00
		30*



		80* R
LED L		
	UXEON HL2X	
FWHM / FWTM A	symmetric	72%
	2 %	
	.6 cd/lm	
LEDs/each optic 1		300
0	Vhite	42* 400
Required components:		$\times/\top\times$
Protective plate, g	plass	
		80* R
	UXEON XR-HL2X (L2H2-xxxxxMLU010)	798 200 77
	Nymmetric	
	6 %	50°
,	1.8 cd/lm	30
LEDs/each optic 1		
•	Vhite	43* 400 41
Required components:		500
		130° 700 15° 34
	UXEON XR-HL2X (L2H2-xxxxxxMLU010)	" y
	symmetric	759 700 77
	3 %	
	l.6 cd/lm	80° × 10°
LEDs/each optic 1		× ×
	Vhite	45* 45
Required components:		400
Protective plate, g	plass	\times
		50°
MICHIΛ		
	ICSxx19B	
	symmetric	
	%	
LEDs/each optic 1		
	Vhite	
Required components:		



ΜΝΙCΗΙΛ		80°
LED	NF2x757G	cy
FWHM / FWTM	Asymmetric	720 200 70
Efficiency	84 %	
Peak intensity	0.8 cd/lm	604 607
LEDs/each optic	1	
Light colour	White	400 ST
Required components:	White	
required components.		750
Protective plate	e, glass	00
		30° 700 30° 30°
Μ ΝΙCΗΙΛ		90* 99
LED	NV4WB35AM	ty .
FWHM / FWTM	Asymmetric	75°
Efficiency	95 %	
Peak intensity	0.8 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	400 45*
Required components:		
		600
		\times / \mid \setminus \times
		30 ⁴ 15 ⁵ 0 ⁶ 15 ⁴ 30 ⁴
ΜΝΙCΗΙΛ		90* 90*
LED	NVSW219F	Cy Cy
FWHM / FWTM	Asymmetric	75°
Efficiency	82 %	
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	1	X
Light colour	White	at
Required components:		400
Protective plate	e, glass	
		30° 15° 0° 15° 30°
Μ ΝΙCΗΙΛ		
LIFD	NVSW519A	Cy Cy
LED FWHM / FWTM	NVSW519A Asymmetric	750 00 75"
FWHM / FWTM	Asymmetric	25
FWHM / FWTM Efficiency	Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1	25



ΜΝΙCΗΙΛ		90°
LED	NVSW519A	
FWHM / FWTM	Asymmetric	750
Efficiency	85 %	XX
Peak intensity	0.6 cd/lm	60*
LEDs/each optic	1	$ X \rangle$
Light colour	White	45%
Required components:		\square
		M
Protective plate	e, glass	
		30* 155
Μ ΝΙCΗΙΛ		90* H
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	73*
Efficiency	82 %	NX X
Peak intensity	0.9 cd/lm	60%
LEDs/each optic	1	X/T
Light colour	White	45*
Required components:		
		XT
Protective plate	e, glass	V H
		30*
		 15%
		90*
	NVSxE21A	75
FWHM / FWTM	Asymmetric 86 %	\square
Efficiency Peak intensity	oo ‰ 1 cd/lm	50*
LEDs/each optic	1 cu/im 1	$\mid X \mid I$
Light colour	White	
-		1 / /
Required components:		\setminus / /
Required components:		\mathbb{N}
Required components: Protective plate	e, glass	\mathbb{M}
	e, glass	300
Protective plat	e, glass	39, 25,
Protective plat		300 55
Protective plat	NVSxE21A	30° 10°
Protective plat	NVSxE21A Asymmetric	20 ² 10 ³
Protective plate	NVSxE21A Asymmetric 94 %	60°
ED FWHM / FWTM Efficiency Peak intensity	NVSxE21A Asymmetric 94 % 1.1 cd/lm	20 ⁻ 12 ⁻
Protective plat	NVSxE21A Asymmetric 94 % 1.1 cd/lm 1	99 ⁻ 73 ⁰ 66 ⁴
Protective plat	NVSxE21A Asymmetric 94 % 1.1 cd/lm	99° 73° 60°
Protective plat	NVSxE21A Asymmetric 94 % 1.1 cd/lm 1	30°
Protective plat	NVSxE21A Asymmetric 94 % 1.1 cd/lm 1	99° 729 60°
Protective plat	NVSxE21A Asymmetric 94 % 1.1 cd/lm 1	33 ³ 15 ³



ΜΝΙCΗΙΛ

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	

LED NVSxx19E/NVSxx19C WHM / FVTM Asymmetric Efficiency 83 % Peak intensity 0.7 od/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass CORRAN LED Duris S8 WHM / FVTM Asymmetric Efficiency 84 % Peak intensity 0.6 od/m LEDs/each optic 1 LeD duris S8 PWHM / FVTM Asymmetric Efficiency 84 % Peak intensity 0.6 od/m LEDs/each optic 1 LeD transformetric Efficiency 84 % Peak intensity 0.6 od/m LEDs/each optic 1 LeD transformetric Efficiency 94 % Peak intensity 1 od/m LED SCONIQ P 3737 (2W version) WHM / FVTM Asymmetric Efficiency 94 % Peak intensity 1 od/m LED transformetric Efficiency 94 % Peak intensity 1 od/m LEDs/each optic 1 LED transformetric Efficiency 94 % Peak intensity 1 od/m LEDs/each optic 1 LED transformetric Efficiency 94 % Peak intensity 1 od/m LEDs/each optic 1 LED transformetric Efficiency 94 %			
FWHM / FWTM Asymmetric Efficiency 83 % Pask intensity 0.7 cd/m Ebs/deach optic 1 ight colour White Required components: Image: State St	Μ ΝΙCΗΙΛ		90°
Efficiency 83 % Peak intensity 0.7 cd/m EDS/each optic 1 ight colour White Required components: Protective plate, glass	LED	NVSxx19B/NVSxx19C	Cu
Peak intensity 0.7 cd/m EDS/each optic 1 .ight colour White Required components: Protective plate, glass Protective plate, glass	FWHM / FWTM	Asymmetric	73°
LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: Component of the symmetric of the symmet	Efficiency	83 %	
ight colour White Required components: Protective plate, glass DUris S8 WHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.6 cd/lm EDS/each optic 1 ight colour White Required components: Protective plate, glass CENCENCE EDS OSCONIQ P 3737 (2W version) WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm EDS/each optic 1 ight colour White Where the the the the the the the the the th	Peak intensity	0.7 cd/lm	
Required components: Protective plate, glass DSRAM ED Duris S8 WHM / FWTM Asymmetric filiciency 84 % Peak intensity 0.6 cd/lm EDS/each optic 1 ight colour White Required components: Protective plate, glass DSRAM ED OSCONIQ P 3737 (2W version) WHM / FWTM Asymmetric filiciency 94 % Peak intensity 1 cd/lm EDS/each optic 1 ight colour White	LEDs/each optic	1	30
Protective plate, glass	Light colour	White	-65* 400 45*
CSRAM Image: Construction of the second	Required components:		
LED Duris S8 WHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass DSRAM Asymmetric Efficiency 94 % Peak intensity 1 cd/m LEDs/each optic 1 Light colour White	Protective plate	e, glass	
Jee Semiconductors LED DUris S8 -WHM / FWTM Asymmetric Efficiency 84 % -Peak intensity 0.6 cd/lm LEDs/each optic 1			
EWHM / FWTM Asymmetric Efficiency 84 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component in the i	OSRAM Opto Semiconductors		99°
Efficiency 84 % Peak intensity 0.6 cd/lm EDs/each optic 1 .ight colour White Required components: Protective plate, glass Protective plate, glass	LED	Duris S8	n h
Peak intensity 0.6 cd/lm EDS/each optic 1 Light colour White Required components: Protective plate, glass Protective p	FWHM / FWTM	Asymmetric	700 770
EDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass CSRAM LED OSCONIQ P 3737 (2W version) WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	Efficiency	84 %	
Light colour White Required components: Protective plate, glass CSCAMP LED OSCONIQ P 3737 (2W version) WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	Peak intensity	0.6 cd/lm	
Required components: Protective plate, glass DSRAM Jeb Semiconductors LED OSCONIQ P 3737 (2W version) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	LEDs/each optic		30
Protective plate, glass		White	47° 460 97°
Description Descr	Required components:		X/T/X
Jebs Semiconductors LED OSCONIQ P 3737 (2W version) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White er	Protective plate	e, glass	
Jebs Semiconductors LED OSCONIQ P 3737 (2W version) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White er			30* 6%
LED OSCONIQ P 3737 (2W version) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	OSRAM		
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White		OSCONIC P 3737 (2)// version)	5°*
Efficiency 94 % Peak intensity 1 cd/lm EDs/each optic 1 .ight colour White			734 782
Peak intensity 1 cd/lm EDs/each optic 1 .ight colour White	Efficiency		
LEDs/each optic 1 Light colour White	-		.50° 69*
	LEDs/each optic	1	
Required components:	Light colour	White	451
	Required components:		200
			20* 06 27



OSRAM Opto Semiconductors		90* 00*
LED	OSCONIQ P 3737 (3W version)	Gy X
FWHM / FWTM	Asymmetric	73* 200 75*
Efficiency	83 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	X - 30
Light colour	White	5
Required components:		400
Protective plate	e, glass	
		30° 30° 30° 30°
PHILIPS		90°
LED	Fortimo FastFlex LED 2x8 DA G5	
FWHM / FWTM	Asymmetric	23°
Efficiency	84 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	30
Light colour	White	45° 400 45°
Required components:		
		500
Protective plate	e, glass	60
		30*
PHILIPS		15 ³ 760 15 ³
PHILIPS		90* 90*
LED	Fortimo FastFlex LED 2x8 DA G5	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	.50*
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		X X X
		60
		30° 15° 0° 15° 30°
PHILIPS		
		90* 90*
	Fortimo FastFlex LED 2x8 DA HE	73* 78*
FWHM / FWTM	Asymmetric	
Efficiency	96 %	60° 20 60°.
Peak intensity	0.7 cd/lm	
LEDs/each optic	1 White	
Light colour	White	45* 400 45*
Required components:		
		60
		30° 15° 30°
		20 V 10



PHILIPS		90*
LED	Fortimo FastFlex LED 2x8 DA HE	9
FWHM / FWTM	Asymmetric	75° 72
Efficiency	84 %	
Peak intensity	0.6 cd/lm	en X 120
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plat	te, glass	500
		30° 15° 0° 15° 30'
PHILIPS		90* 92
LED	Fortimo FastFlex LED 2x8 DAX G4	Cy Cy
FWHM / FWTM	Asymmetric	75° 00 75°
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60"
LEDs/each optic	1	30
Light colour	White	45* 440 45*
Required components:		
		304 34
		152 00 15*
SAMSU	NG	90° 90°
		90° 90°
LED	NG HiLOM RH12 Z (LH351C) Asymmetric	
LED FWHM / FWTM	HiLOM RH12 Z (LH351C)	
SAMSUR LED FWHM / FWTM Efficiency Peak intensity	HiLOM RH12 Z (LH351C) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RH12 Z (LH351C) Asymmetric 84 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White	5° 40 6'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White	5° 40 6'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White	5° 40 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White ite, glass	5° 40 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSUT LED FWHM / FWTM	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White te, glass	5° 40 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White te, glass	5° 40 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSUT LED FWHM / FWTM Efficiency	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White te, glass LH351B Asymmetric 83 %	5° 40 C
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSSUS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White te, glass VCC LH351B Asymmetric 83 % 0.7 cd/lm	5° 40 C
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSUS LED FWHM / FWTM Efficiency Peak intensity	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White ke, glass VCC LH351B Asymmetric 83 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SACMSSUS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White ke, glass LH351B Asymmetric 83 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat SAMSSUS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White ke, glass LH351B Asymmetric 83 % 0.7 cd/lm 1 White	
ED WHM / FWTM Efficiency Peak intensity EDs/each optic .ight colour Required components: Protective plat SAMSSUS ED WHM / FWTM Efficiency Peak intensity .EDs/each optic .ight colour Required components:	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm 1 White ke, glass LH351B Asymmetric 83 % 0.7 cd/lm 1 White	



SAMSUN	IC	
		90*
LED	LH351C	10
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	X 300
LEDs/each optic	1	
Light colour	White	*
Required components:		5/0
		00
		30* 15 ⁵ 0 ⁶ 15*
SAMSUN	IG	50 ⁴
LED	LH351D	The second se
FWHM / FWTM	Asymmetric	730
Efficiency	94 %	
Peak intensity	0.8 cd/lm	50*
LEDs/each optic	1	× / 300
Light colour	White	45* 400
Required components:		
		500
		30* 15 ⁵ 860 15*
SAMSUN	IG	90°
LED	LH508A	4
FWHM / FWTM	Asymmetric	736
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
	0.6 ca/im	
LEDs/each optic	1	
LEDs/each optic Light colour		30
	1	
Light colour Required components:	1 White	30
Light colour	1 White	5°. 200 200
Light colour Required components:	1 White	30 30 30 30 30 30 30 30 30 30
Light colour Required components: Protective plate	1 White e, glass	30 30 50 50 50 50 50 50 50 50 50 5
Light colour Required components: Protective plate	1 White e, glass	
Light colour Required components: Protective plate	1 White e, glass I G LH508B	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM	1 White e, glass I G LH508B Asymmetric	5° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency	1 White e, glass I G LH508B	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity	1 White e, glass I C LH508B Asymmetric 85 %	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White e, glass I C LH508B Asymmetric 85 % 0.6 cd/lm 1	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity	1 White e, glass I C LH508B Asymmetric 85 % 0.6 cd/lm	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	1 White e, glass LH508B Asymmetric 85 % 0.6 cd/lm 1 White	
Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass LH508B Asymmetric 85 % 0.6 cd/lm 1 White	



SAMSUN	IG	60*
LED	LH508B	in the second se
FWHM / FWTM	Asymmetric	756
Efficiency	95 %	
Peak intensity	0.7 cd/lm	504
LEDs/each optic	1	
Light colour	White	
Required components:		
SEOUL		³⁰ 15 ³ 0 ⁶ 15 ⁴
SEOUL SEMICONDUCTOR		90*
LED	MJT 5050	4
FWHM / FWTM	Asymmetric	736
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400
Required components:		
		\times / \times ×
		640
		30*
SEQUE		
SEOUL SEMICONDUCTOR	77140	90*
	Z5M3	750
FWHM / FWTM	Asymmetric	
Efficiency	82 %	60* 24
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	×
Light colour	White	45*
Required components:		
Protective plate	, glass	200
Protective plate	e, glass	660
Protective plate	e, glass	20° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
seou	e, glass	50° 20° 20° 20° 20° 20° 20° 20° 20° 20°
SEOUL SEMICONDUCTOR		50°
seou. Semiconductor LED	Z5M4	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
SEQUL SEMICONDUCTOR LED FWHM / FWTM	Z5M4 Asymmetric	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Z5M4 Asymmetric 84 %	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Z5M4 Asymmetric	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Z5M4 Asymmetric 84 % 0.7 cd/m	
seou	Z5M4 Asymmetric 84 % 0.7 cd/m 1	
seout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z5M4 Asymmetric 84 % 0.7 cd/m 1 White	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Z5M4 Asymmetric 84 % 0.7 cd/m 1 White	
seout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z5M4 Asymmetric 84 % 0.7 cd/m 1 White	



PRODUCT DATASHEET C15594_STRADA-2X2-MEW

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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