

# 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

## **TECHNICAL SPECIFICATIONS:**

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



#### MATERIAL SPECIFICATIONS:

Component STRADA-2X2-MEW

Туре	
Multi-lens	

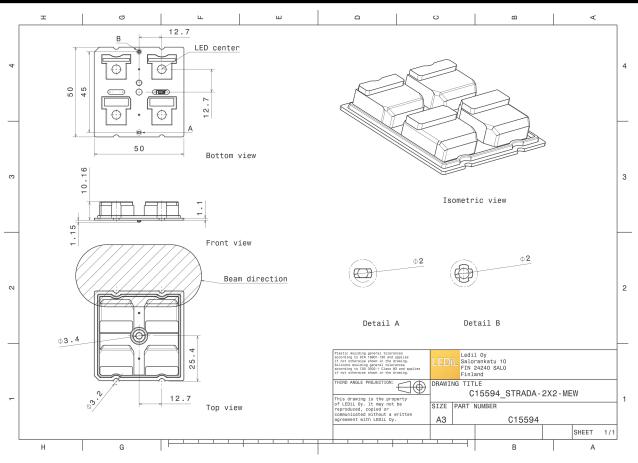
	Material	Colour	Finish
6	PMMA	clear	

#### **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: www.ledil.com/installation\_guide



LED	XD16	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.7 cd/lm	·····
LEDs/each optic	4	289 - · · · · · · · · · · · · · · · · · ·
Light colour	White	<b>200</b>
Required compone	nts:	19
		100
LED	XD16	90° 99°
		75
FWHM / FWTM	Asymmetric	
Efficiency Peak intensity	94 %	615 200 605
	1.1 cd/lm	
LEDs/each optic	1	over the second se
Light colour	White	(Q), (Q)
Required compone	nts:	
		70
		30* 000 30*
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>
		84 86 252 64 154
LED	XP-G2	
LED FWHM / FWTM	XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency	XP-G2 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 Asymmetric 94 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	9° 70 60 90 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED EWHM / FWTM Efficiency	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 % 0.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White nts: XP-G3 Asymmetric 86 % 0.8 cd/lm 1 White nts:	



LED	XP-L HI	90* 90*
FWHM / FWTM	Asymmetric	75* 00 75*
Efficiency	94 %	
Peak intensity	1.1 cd/lm	×00 ×00
LEDs/each optic	1	× × ×
Light colour	White	
Required compone		400 400
rtoquirou compone		
		$X \rightarrow X$
		60
		30° 15' 0° 15' 30'
UMIL	EDS	90° 90°
LED	LUXEON 5050 Round LES	4
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	
Peak intensity	0.7 cd/lm	604 C
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	ints:	
		X   X
		600
		30* 30*
		15 <sup>3</sup> 0° 15°
	EDC	
		9× 9×
LED	LUXEON TX	24
LED FWHM / FWTM	LUXEON TX Asymmetric	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	LUXEON TX Asymmetric 92 %	80° 80° 80°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX Asymmetric 92 % 1.1 cd/lm	pr pr pr pr pr pr pr pr pr pr pr pr pr p
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White	20 20 01 01 01 01 01 01 01 01 01 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White	80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80° 80°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White	25 PP
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White	23 Pr 29 24 Pr 20 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints: EDS LUXEON V Asymmetric	8° 8° 8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints: EDS LUXEON V Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MUMIL LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White Ints: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Magnetic compone Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White mts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>Composition</b> Required compone <b>Composition</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White mts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>Composition</b> Required compone <b>Composition</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White mts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>Composition</b> Required compone <b>Composition</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 92 % 1.1 cd/lm 1 White mts: EDS LUXEON V Asymmetric 94 % 0.8 cd/lm 1 White	



MST Your solut	tions	99° 99°
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	5
FWHM / FWTM	Asymmetric	75* 00 77*
Efficiency	97 %	
Peak intensity	1 cd/lm	60*
LEDs/each optic	1	- 30
Light colour	White	
Required compone	ants:	
Maugu		129 _ 01 _ 129 ~ ~ ~
<b>ØNICHI</b>		(2)
LED	NVSW219D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1 cd/lm	<b>300 -</b>
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	169
		109
		- mer - mer - star - st
<b>ØNICHI</b>		
		90* 90*
LED		9)*
LED FWHM / FWTM	NVSW219F	29
FWHM / FWTM		90* 90* 75* 200 75*
FWHM / FWTM Efficiency	NVSW219F Asymmetric	90* 99* 725 - 100 - 75; 00* - 26 - 60*
FWHM / FWTM	NVSW219F Asymmetric 94 %	50* 73* 00* 50 50 50 50 50 60*
FWHM / FWTM Efficiency Peak intensity	NVSW219F Asymmetric 94 % 1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW219F Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F Asymmetric 94 % 1 cd/lm 1 White ents: NVSW319B Asymmetric 96 % 1 cd/lm 1 White	



OCDAN		
OSRAM		90° 90°
LED	PrevaLED Brick HP 2x8	20
FWHM / FWTM	Asymmetric	
Efficiency	87 %	-200 - 60°
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required componer	nts:	
		600
		30° 15 <sup>5</sup> 780 15° 30°
OSRAM		
Opto Semiconductors	Duris S8	90° 90°
FWHM / FWTM	Asymmetric	75* 77*
Efficiency	96 %	
Peak intensity	0.7 cd/lm	an to the an
LEDs/each optic	1	
Light colour	White	
Required componer		400
riequieu compensi		
		$\times$ / $\times$
		810
		(30° 15° 30°
OCDAN		
OSRAM Opto Semiconductors		500
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	····
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 Asymmetric	
<sup>Opto Semiconductors</sup> LED FWHM / FWTM		100
Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric	18
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 %	0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 1 cd/lm	10- 10- 10-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 1 cd/lm 1 White	89
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 1 cd/lm 1 White nts:	10- 10- 30- 30- 30- 30-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 1 cd/lm 1 White	16- 14- 15- 15- 15- 15- 15-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 1 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective	Asymmetric 87 % 1 cd/lm 1 White nts:	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM Opto Semiconductors	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM Opto Semiconductors LED	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 % 1 cd/lm 1 White nts: plate, glass OSLON Square PC Asymmetric 94 % 1.1 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM 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	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM 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	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM 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	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM 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	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Protective OSRAM 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	



PHILIF	20	
		90* 90
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA G4	730 770 770
Efficiency	Asymmetric 94 %	
Peak intensity		50 20 60
	1.1 cd/lm	
LEDs/each optic	1 White	
Light colour Required compone		457 400 457
Required compone	ans.	
		000
		30* 15 <sup>5</sup> 0* 15* 30*
PHILIP	DS	
LED	Fortimo FastFlex LED 2x8 DA G4+	90* 90*
EED FWHM / FWTM	Asymmetric	754 00 754
Efficiency	94 %	
Peak intensity	94 // 1 cd/lm	667 20 687
LEDs/each optic	1	
Light colour	White	
Required compone		45* 400 45*
Required compone	ano.	
		X / X
		30* <u>15</u> <sup>4</sup> 0 <sup>5</sup> 15 <sup>4</sup> 30*
C A BA CI		
21/1/12	JNG	g.* g.*
<b>SAMS</b>		50° 50°
LED	HiLOM RC12 Z (LH181B)	99° 99°
LED FWHM / FWTM	HiLOM RC12 Z (LH181B) Asymmetric	99° 99° 726 75°
LED FWHM / FWTM Efficiency	HiLOM RC12 Z (LH181B) Asymmetric 96 %	
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RC12 Z (LH181B) Asymmetric	59° - 59'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	99° 99'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White	5°
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	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	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 <b>SAMSS</b> 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 SANNSU 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 SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RC12 Z (LH181B) Asymmetric 96 % 1.1 cd/lm 1 White ents:	



SAMSI			NY YA
			90° 90
LED	HiLOM RH16 (LH351C)		27.0 200 2
FWHM / FWTM	Asymmetric		
Efficiency	94 %		200 60
Peak intensity	1 cd/lm		
LEDs/each optic	1		
Light colour	White		400 at
Required compone	ents:		500
			600
			30* <u>700</u> 30 0 <sup>*</sup> 15 <sup>*</sup> 30
SAMSI	ING		
			90° 90
	HiLOM RM12 Z (LH502C)		754
FWHM / FWTM	Asymmetric 97 %		
Efficiency Peak intensity	97 % 0.7 cd/lm		50*
LEDs/each optic	1		
Light colour	White		
Required compone			45° 400 47
Required compone	11.5.		
			$\times$
			600
			30* 15° 34
SAMS	UNG		
			8°
LED	HiLOM RM16 Z (LH502C)		8°
LED FWHM / FWTM	HiLOM RM16 Z (LH502C) Asymmetric		<u>8</u> 2 <u>7</u> 2 7
LED FWHM / FWTM Efficiency	HiLOM RM16 Z (LH502C) Asymmetric 98 %		
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1		
SAMS 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		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		5° 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White		23- 23- 6- 6- 6- 6- 6- 6- 6- 6- 6- 6- 6- 6- 6-
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 ents:		
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 ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ents:		
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 ents:		
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 ents: UNG HiLOM RM8 Z (LH502C)		
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 ents: UNG HiLOM RM8 Z (LH502C) Asymmetric		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALS LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ents: UNC HiLOM RM8 Z (LH502C) Asymmetric 98 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 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 RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 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 RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM16 Z (LH502C) Asymmetric 98 % 0.7 cd/lm 1 White ents:		



<b></b>		
SEOUL SEMICONDUCTOR		
	Z5M3	y."
FWHM / FWTM	Asymmetric	71 10
Efficiency	96 %	
Peak intensity	0.9 cd/lm	614 6
LEDs/each optic	1	
Light colour	White	
Required compone		
i toquiroù compone		
		200
		640
		30° 15° 0° 15° 3
SEOUL		
SEOUL SEMICONDUCTOR		90* 9
LED	Z5M4	20. 20. 20. 20. 20. 20. 20. 20. 20. 20.
FWHM / FWTM	Asymmetric	
Efficiency	97 %	50° 6
Peak intensity	1 cd/lm	
LEDs/each optic	1	$\times$ $\times$ $/$ $\longrightarrow$ $\times$
Light colour	White	45* 400 4
Required compone	ents:	20
		600
		30° 700 35° 30° 35°
SEOUL		
SEOUL SEMICONDUCTOR		90°
LED	Z8Y22	284
FWHM / FWTM	Asymmetric	
Efficiency	94 %	ere and e
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	6°.
Required compone	ents:	
		200
		30* <u>15</u> * 00 <u>15</u> * 3
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:	

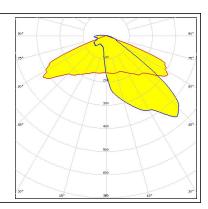


# TRIDONIC

L	E	D	

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour 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	Bridgelux SMD 5050 Asymmetric 84 % 0.6 cd/lm 1 White	
		<u> </u>
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XHP35 HD Asymmetric % 1 White	
LED FWHM / FWTM	XHP35 HI Asymmetric	
Efficiency LEDs/each optic Light colour Required components:	% 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XM-L2 Asymmetric 0 % 1 White	



		90* 90*
LED	XP-G2	4
FWHM / FWTM	Asymmetric	73°
Efficiency	83 %	X
Peak intensity	0.8 cd/lm	60* <u>200</u> 60*
LEDs/each optic	1	
Light colour	White	300
Required components:		
		$\times$
Protective plate	e, glass	500
		30* <u>15<sup>5</sup> 600</u> 30*
		90 <sup>+</sup> 99 <sup>+</sup>
LED	XP-G2 HE	Cy
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	60* 60*
LEDs/each optic	1	30
Light colour	White	
Required components:	White	400 43
Required components.		200
		X / X
		30° 30° 30°
LED	XP-L HD	Ty Ty
FWHM / FWTM	Asymmetric	750 000 750
Efficiency	93 %	
Peak intensity	0.9 cd/im	60*
LEDs/each optic	1	
Light colour	White	400
Required components:	White	6 <sup>1</sup> 6 <sup>1</sup>
Required components.		X X X
		60
		30* 15 <sup>5</sup> 0° 15* 30*
LED	XP-L2	90° 90°
FWHM / FWTM		750 700 700
Efficiency	Asymmetric	Communa
Efficiency	94 %	er for
Peak intensity	94 % 0.8 cd/lm	er
Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	61
Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm	er 67 60 60 67
Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	er 
Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	eri 
Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	a" 
Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	



		90° 90°
LED	XT-E	Cy Cy
FWHM / FWTM	Asymmetric	73.0 700 78.0
Efficiency	81 %	
Peak intensity	0.8 cd/lm	60 <sup>4</sup> 200
LEDs/each optic	1	30
Light colour	' White	$\times \times / \land \times \times$
Required components:	Wine	45* 400 45*
Required components.		
Protective plate	e, glass	
		600
		30* 13 <sup>5</sup> % 30*
MUMILE	DS	90° 90°
LED	LUXEON 5050 Round LES	4
FWHM / FWTM	Asymmetric	75° 500 77°.
Efficiency	87 %	
Peak intensity	0.6 cd/lm	60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45*
Required components:		400
		$\times$
Protective plate	e, glass	500
		30° 600 30°.
		10° 0° 10°
	DS	80°
		80°
	LUXEON 5050 Square LES	
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	LUXEON 5050 Square LES Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White S LUXEON 5050 Square LES Asymmetric 84 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WIM / EVTM</b> Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WIM / EUMILEE</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 94 % 0.7 cd/lm 1 White	



- 1		
<b>ΜΝΙCΗΙΛ</b>		
LED FWHM / FWTM	NCSxx19B Asymmetric	
Efficiency	0 %	
LEDs/each optic	1	
Light colour	White	
Required components:	white	
~		
<b>Μ</b> ΝΙCΗΙΛ		90*
LED	NV4WB35AM	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	504
Peak intensity	0.8 cd/lm	[X / / ]
LEDs/each optic	1	
Light colour	White	450
Required components:		
		800
		30*
<b>Μ</b> ΝΙCΗΙΛ		
		90*
LED	NVSW219F	710
FWHM / FWTM	Asymmetric	
Efficiency	82 %	50 <sup>4</sup> 20
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400
Required components:		
Protective plate	alass	X
	9.000	800
		30° 13° 0° 15°
MICHIΛ		90°
LED	NVSW519A	G
FWHM / FWTM	Asymmetric	736
Efficiency	85 %	
	85 % 0.6 cd/lm	60-
Efficiency		
Efficiency Peak intensity	0.6 cd/lm	67
Efficiency Peak intensity LEDs/each optic	0.6 cd/lm 1	-00
Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White	60°
Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	67 60



<b>MNICHIA</b>		20* A A A A A A A A A A A A A A A A A A A
LED	NVSW519A	Cy Cy
FWHM / FWTM	Asymmetric	73.6
Efficiency	94 %	
Peak intensity	0.8 cd/lm	50*
LEDs/each optic	1	
Light colour	White	
Required components:		
rioquirou componente.		500
		600
		30° 15° 766 15°
<b>ΜΝΙCΗΙΛ</b>		90°
LED	NVSxE21A	n n
FWHM / FWTM	Asymmetric	736
Efficiency	94 %	A A A A A A A A A A A A A A A A A A A
Peak intensity	1.1 cd/lm	60.4
LEDs/each optic	1	
Light colour	White	457
Required components:		
		600
		30*
		15° 8% 15°
Maure		IN
<b>Μ</b> ΝΙCΗΙΛ		»· · · · · · · · · · · · · · · · · · ·
LED	NVSxE21A	
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 86 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1 cd/lm	27 <sup>3</sup> 27 <sup>3</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1 cd/lm 1	20- 20- 40- 40- 40- 40- 40- 40- 40- 40- 40- 4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1 cd/lm 1 White a, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1 cd/lm 1 White e, glass NVSxE21A	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1 cd/lm 1 White a, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1 cd/lm 1 White a, glass NVSxE21A Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1 cd/lm 1 White e, glass NVSxE21A Asymmetric 82 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1 cd/lm 1 White e, glass NVSxE21A Asymmetric 82 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate VICHIA Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1 cd/lm 1 White e, glass NVSxE21A Asymmetric 82 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate WIM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1 cd/lm 1 White p, glass NVSxE21A Asymmetric 82 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate VICHIA Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1 cd/lm 1 White p, glass NVSxE21A Asymmetric 82 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1 cd/lm 1 White p, glass NVSxE21A Asymmetric 82 % 0.9 cd/lm 1 White	



#### **Μ**ΝΙCΗΙΛ

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

# **Ø**NICHIΛ

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

OSRAM Opto Semiconductors		95
LED	Duris S8	4
FWHM / FWTM	Asymmetric	70 10 10 10 10 10 10 10 10 10 10 10 10 10
Efficiency	84 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components		40
Dests stive al		
Protective pl	ate, glass	
		20, 00 10
OSRAM		
Opto Semiconductors		
		90°
LED	OSCONIQ P 3737 (2W version)	4
	OSCONIQ P 3737 (2W version) Asymmetric	S <sup>2</sup>
LED		20 Contraction
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	4
LED FWHM / FWTM Efficiency	Asymmetric 94 %	20 Contraction
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	20 Contraction
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	



OSRAM Opto Semiconductors		
Opto Semiconductors	OSCONIQ P 3737 (3W version)	27 June 200*
FWHM / FWTM	Asymmetric	75° 700 75°
Efficiency	83 %	
-	0.7 cd/lm	604 200 601
Peak intensity		
LEDs/each optic		
Light colour	White	45* 400 65*
Required components:		500
Protective plate	e, glass	
		600
		30* <u>15<sup>5</sup> %6 15*</u> 30*
PHILIPS		90° 90°
LED	Fortimo FastFlex LED 2x8 DA G5	ty
FWHM / FWTM	Asymmetric	736 200 735
Efficiency	95 %	
Peak intensity	0.9 cd/lm	50 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	400 45*
Required components:		500
		70
		20° 15° 30°
PHILIPS		90 <sup>+</sup>
LED	Fortimo FastFlex LED 2x8 DAX G4	Ty
FWHM / FWTM	Asymmetric	73 0 75 0 75 0
Efficiency	94 %	Comment /
Peak intensity	0.9 cd/lm	60*
LEDs/each optic	1	× ***
Light colour	White	45'
Required components:		
		500 X
		30*
0.0.0.0		20° 20° 20° 20°
SAMSUN	IG	20 <sup>4</sup> 20 20 20 20 20 20 20 20 20 20 20 20 20
	HILOM RH12 Z (LH351C)	90 <sup>+</sup> 23 <sup>-</sup> 37 <sup>+</sup> 37 <sup>+</sup>
		29° 29° 29° 29° 29°
LED	HiLOM RH12 Z (LH351C)	23° 23° 23° 23° 23°
LED FWHM / FWTM	HiLOM RH12 Z (LH351C) Asymmetric	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
LED FWHM / FWTM Efficiency	HiLOM RH12 Z (LH351C) Asymmetric 84 %	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RH12 Z (LH351C) Asymmetric 84 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	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	5°
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	



SAMSUN	IG	90*
LED	LH351B	Cy Cy
FWHM / FWTM	Asymmetric	730 00.
Efficiency	83 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	30
Light colour	White	45* 460
Required components:		
Protective plate	, glass	30
		30* <u>35</u> * <u>5</u> * <u>45</u> *
SAMSUN	IG	90 <sup>4</sup>
LED	LH351C	ty .
FWHM / FWTM	Asymmetric	73*
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60 <sup>4</sup> 300
LEDs/each optic	1	
Light colour	White	657 400
Required components:		500
		6/0
		710
		30 <u>13<sup>2</sup></u> 0 <sup>4</sup> 15 <sup>4</sup>
SAMSUN	IG	90*
LED	LH351D	ty
FWHM / FWTM	Asymmetric	73*
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	*
Light colour	White	45* 400
Required components:		
		600
		30* 33 <sup>5</sup> 200 13*
SAMSUN	IC	
		90*
	LH508A	759 000
FWHM / FWTM	Asymmetric	
Efficiency	85 %	604 - 20 <b>4</b>
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45
Required components:		$\times$
Protective plate	glass	
Protective plate	, glass	50



SAMSU		174
		90*
LED	LH508B	not to
FWHM / FWTM	Asymmetric	
Efficiency	85 %	60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	$\sim$
Light colour Required components:		45*
rtequired components.		
Protective plat	te, glass	$\sim T$
SAMSUI		133
		90*
LED	LH508B	788
FWHM / FWTM	Asymmetric	
Efficiency	95 %	604
Peak intensity	0.7 cd/lm	$\rightarrow$
LEDs/each optic	1 White	
Light colour Required components:		45*
Required components.		N/1
		/30* 15 <sup>5</sup>
		90*
LED	MJT 5050	
FWHM / FWTM	Asymmetric	730
Efficiency	94 %	
Peak intensity	0.7 cd/lm	664
LEDs/each optic	1	$\sim$
Light colour	White	45*
Required components:		K / I
		$\left  \right\rangle$
		1 +
		30* 15
SEOUL		
	75142	90*
LED FWHM / FWTM	Z5M3 Asymmetric	750
Efficiency	Asymmetric 82 %	
Peak intensity	0.7 cd/lm	604
LEDs/each optic	1	$\sim$
Light colour	White	45*
		KM
Required components:		$\sim$ 1
		14
Required components:		



SEOUL	
SEOUL SEMICONDUCTOR	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required component	S:
Protective p	late, glass



# 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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