

PRODUCT DATASHEET C17634_STRADA-2X2-LM2

STRADA-2X2-LM2

Excellent longitudinal luminance uniformity for EN13201 M-class where road width is equal or less the pole height.

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 50.0 x 50.0 mm 6.6 mm pin, screw yes 1



MATERIALS:

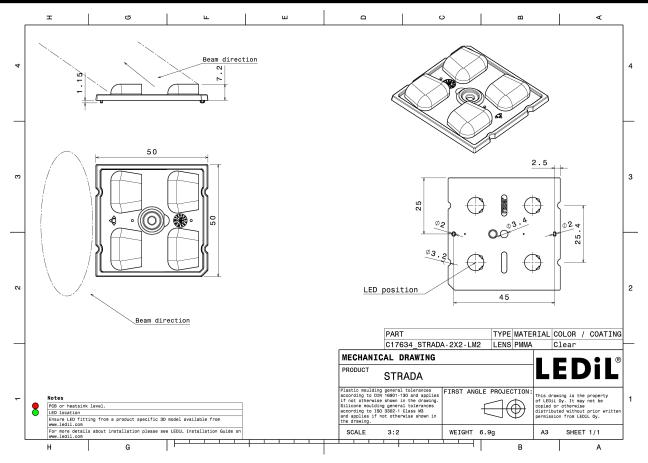
Component	Туре	Material	Colour	Finish
STRADA-2X2-LM2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17634_STRADA-2X2-LM2	800	160	160	6.3
» Box size: 480 x 280 x 300 mm				



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



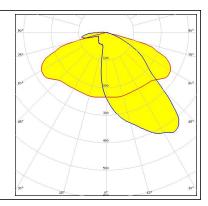
OPTICAL RESULTS (MEASURED):

PHILIPS

L	E	D

FWHM / FWTMAsEfficiency96Peak intensity0.4LEDs/each optic1Light colourWRequired components:

Fortimo FastFlex LED 2x8 DA G5 Asymmetric 96 % 0.9 cd/lm 1 White





-		
		90* 90*
LED	J Series 5050 Round LES	
FWHM / FWTM	Asymmetric	730 700 700
Efficiency	81 %	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	
Required components:	White	45' 310 45'
Required components.		
Protective plate	e, glass	400
		30° 30° 30° 30°
		90* 90*
LED	XP-G3	4
FWHM / FWTM	Asymmetric	730 700
Efficiency	78 %	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	45*
Required components:		300
		\times / \times
Protective plate	e, glass	400
		\times / \setminus λ
		30° <u>13</u> ° <u>30°</u>
LUMILED)S	90* 90*
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	730 700
Efficiency	80 %	
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	
Light colour	White	67° 65°
Required components:		30
Protective plate	e, glass	400
		30* 30*
	5	123 360 134
		90* 90*
	LUXEON 5050 Round LES	75° 100 75°
FWHM / FWTM	Asymmetric	
Efficiency	91 %	en en
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45%
Required components:		$\times/\top \times$
		30° 600 30°
		15° 0° 15°



UMILE	DS	397
LED	LUXEON 5050 Round LES	4
FWHM / FWTM	Asymmetric	776 199
Efficiency	79 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45" 300
Required components	:	
Protective pla	ate, glass	40
		30* <u>15</u> * 366 <u>15</u> * 3
	DS	N ²
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	754
Efficiency	81 %	
Peak intensity	0.5 cd/lm	50 ¹⁶
LEDs/each optic	1	
Light colour	White	47" 340
Required components	:	
Protective pla	ate, glass	
		50° 500 12° 7
	DS	90
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	726
Efficiency	81 %	
Peak intensity	0.4 cd/lm	50°
LEDs/each optic	1	
Light colour	White	87 300
Required components	:	
Protective pla	ate, glass	400
		34° 30 10° 2
	DS	
LED	LUXEON HL2X	, a difference of the second s
FWHM / FWTM	Asymmetric	72
Efficiency	79 %	
Peak intensity	0.5 cd/lm	50 ⁴
LEDs/each optic	1	
Light colour	White	
Required components		
Protective pla	ate, glass	X



UMILED	IS a second s	90° 90
LED	LUXEON HL2X	9
FWHM / FWTM	Asymmetric	
Efficiency	93 %	200
Peak intensity	0.7 cd/lm	60 ¹⁰
LEDs/each optic	1	30
Light colour	White	45* 400 45
Required components:		
		X/T/X
		60
		30* 700 30
		12 ³ 0 ⁴ 10 ⁴
		90* 90
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	9
FWHM / FWTM	Asymmetric	
Efficiency	94 %	69 ⁴ 69
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45
Required components:		\times
		30 ⁴ 15 ³ 0 ⁶ 15 ⁴ 30
	S	
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	90*************************************
FWHM / FWTM	Asymmetric	754 75
Efficiency	80 %	
Peak intensity		69
Peak intensity LEDs/each optic	0.5 cd/lm	
LEDs/each optic	0.5 cd/lm 1	
LEDs/each optic Light colour	0.5 cd/lm	
LEDs/each optic Light colour Required components:	0.5 cd/lm 1 White	
LEDs/each optic Light colour	0.5 cd/lm 1 White	
LEDs/each optic Light colour Required components:	0.5 cd/lm 1 White	
LEDs/each optic Light colour Required components: Protective plate	0.5 cd/lm 1 White	
LEDs/each optic Light colour Required components: Protective plate	0.5 cd/lm 1 White	
LEDs/each optic Light colour Required components: Protective plate	0.5 cd/lm 1 White , glass NVSW219F	
LEDs/each optic Light colour Required components: Protective plate	0.5 cd/lm 1 White , glass NVSW219F Asymmetric	
LEDs/each optic Light colour Required components: Protective plate MICHIA LED FWHM / FWTM Efficiency	0.5 cd/lm 1 White , glass NVSW219F Asymmetric 79 %	
LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity	0.5 cd/lm 1 White , glass NVSW219F Asymmetric 79 % 0.5 cd/lm	
LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White , glass NVSW219F Asymmetric 79 % 0.5 cd/lm 1	
LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White , glass NVSW219F Asymmetric 79 % 0.5 cd/lm	
LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White , glass NVSW219F Asymmetric 79 % 0.5 cd/lm 1	
LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.5 cd/lm 1 White NVSW219F Asymmetric 79 % 0.5 cd/lm 1 White	
LEDs/each optic Light colour Required components: Protective plate VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White NVSW219F Asymmetric 79 % 0.5 cd/lm 1 White	



ΜΝΙCΗΙΛ		90°
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	71°
Efficiency	90 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	4	
Light colour	White	45* 400 45*
Required components:		\land
		\times / \times
		500
A		30° 15° 30° 30°
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	710 710
FWHM / FWTM	Asymmetric	100 7
Efficiency	78 %	60* 60*
Peak intensity	0.4 cd/lm	
LEDs/each optic	4	
Light colour	White	45 200 45*
Required components:		
Protective plate	e, glass	40
		30° 23 ⁵ 0 ⁶ 30° 30°
Μ ΝΙCΗΙΛ		90° - 90°
LED	NVSxx19B/NVSxx19C	9
FWHM / FWTM	Asymmetric	75°
Efficiency	78 %	
Peak intensity	0.6 cd/lm	60°.
LEDs/each optic	1	
Light colour	White	45°
Required components:		
Deste stive elete		
Protective plate	e, glass	
		30* 15* 30° 15* 31*
Μ ΝΙCΗΙΛ		90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	75°
Efficiency	89 %	
Peak intensity	0.7 cd/lm	ent of
LEDs/each optic	1	
Light colour	White	s:
Required components:		400
		500
		X/T/X
		660



OSRAM		
Opto Semiconductors		90* 90*
LED FWHM / FWTM	Duris S8	730 730
	Asymmetric	100
Efficiency	81 %	604 604
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required components:		
Protective plate	e. glass	400
		\times
		30* <u>50</u> 30* 30*
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	100 75°
Efficiency	81 %	
Peak intensity	0.7 cd/lm	-50*
LEDs/each optic	1	
Light colour	White	55° 300 55°
Required components:		
C17677_STRADA-2	(2-SHD-BLK	400
		30* 15* 8° 15* 30*
OSRAM Opto Semiconductors		91*
LED	OSLON Square CSSRM2/CSSRM3	
		73%
FWHM / FWTM	Asymmetric	7 ¹
FWHM / FWTM Efficiency	Asymmetric 75 %	23 ¹ 6 ¹
FWHM / FWTM Efficiency Peak intensity	Asymmetric 75 % 0.5 cd/lm	100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 75 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 75 % 0.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 75 % 0.5 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 75 % 0.5 cd/lm 1 White	23 ¹ 6 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 75 % 0.5 cd/lm 1 White K2-SHD-WHT	13 ³ 60 ¹ 60 ¹ 60 ¹ 100 60 ¹ 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate	Asymmetric 75 % 0.5 cd/lm 1 White K2-SHD-WHT	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate	Asymmetric 75 % 0.5 cd/lm 1 White K2-SHD-WHT	20° 20° 20° 20° 20° 20° 20° 20°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate	Asymmetric 75 % 0.5 cd/lm 1 White <{2-SHD-WHT e, glass	200 200 200 200 200 200 200 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Opto Semiconductors LED	Asymmetric 75 % 0.5 cd/lm 1 White (2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 75 % 0.5 cd/lm 1 White K2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 75 % 0.5 cd/lm 1 White K2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 75 % 0.5 cd/lm 1 White C2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 75 % 0.5 cd/lm 1 White C2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 75 % 0.5 cd/lm 1 White C2-SHD-WHT e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-2) Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 75 % 0.5 cd/lm 1 White (2-SHD-WHT a, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-22 Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17677_STRADA-22	Asymmetric 75 % 0.5 cd/lm 1 White (2-SHD-WHT a, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm 1 White (2-SHD-BLK	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17580_STRADA-2) Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 75 % 0.5 cd/lm 1 White (2-SHD-WHT a, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 72 % 0.5 cd/lm 1 White (2-SHD-BLK	



OSRAM Opto Semiconductors		90* 99*
LED	OSLON Square CSSRM2/CSSRM3	4
FWHM / FWTM	Asymmetric	75° 70°
Efficiency	79 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45'
Required components:		30
Protective plat	e, glass	
		30° 15° 0° 15° 30°
OSRAM Opto Semiconductors		80*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	75°
Efficiency	84 %	
Peak intensity	0.7 cd/lm	50* 200 50*
LEDs/each optic	1	
Light colour	White	45+ 45+
Required components:		400
C17580_STRADA-2	X2-SHD-WHT	X / T / X
		50
		30° 30° 30°
PHILIPS		90° 90°
		90°
	Fortimo FastFlex LED 2x8 DA HE	20 Jun 100 Jun
LED FWHM / FWTM		20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 %	90 ⁺ 72 ⁰ 60 ⁺ 70 ⁺ 70 ⁺ 70 ⁺ 70 ⁺ 70 ⁺ 60 ⁺
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA HE Asymmetric	90° 99° 70° 70° 70° 50° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm	90° 90° 730 50° 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1	90° 90° 70° 70° 70° 60° 70° 70°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1	97 70 60 60 60 60 60 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1	50° 50° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: DHILLIDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 95 % 0.5 cd/lm 1 White Fortimo FastFlex LED 2x8 DA HE Asymmetric 82 % 0.4 cd/lm 1 White	



SAMSUNG LED LASTB WHM /FWTM ASSTB WHM /FWTM OG Gdfm LEDweach optic 1 Light colour White Required components: Protective plate, glass				
LED LH351B EWHM / FWTM Asymmetric Efficiency 80% Peak itensity 0.6 od/m LEDseach optic 1 Light colour White Required components: ED EAD LH351C EWHM / FWTM Asymmetric Efficiency 80% Peak itensity 0.6 od/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass EAD LH351D EMD LH351C EAD	SAMSII	NG		
FWHM / FWTM Asymmetric Efficiency 80 % Peak Intensity 0.6 cd/m LBX/each optic 1 Light colour While Required components: Image: Color of the col			30°	
Efficiency 90 % Pack Intensity 0.8 od/m Laph colour White Required components: Protective plate, glass			794	
Peak Intensity 0.6 cd/m EDS/aeah optic 1 EDS/aeah optic 1 Hortective plate, glass Protective plate, glass SAMUSUNC EVEN IN Asymmetric Enclancy 0.6 cd/m EDS/each optic 1 EDS/each optic			\sim	
LEDerech optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS LED LIGST SAMAS SUNS LED LIGST White Asymmetric Efficiency 80 % Pack intensity 0.6 & colin LEDerecht optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS LED LIGST SAMAS SUNS LED LIGST White Asymmetric Efficiency 79 % Pack intensity 0.5 colin LEDerecht optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS LED LIGST White Asymmetric Efficiency 79 % Pack intensity 0.5 colin LEDerecht optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS LED LIGST Mile Asymmetric Efficiency 41 % Pack intensity 0.4 colin LEDerecht optic 1 Light colour White Required components: Protective plate, glass	-		er.	
light colour White Required components: Protective plate, glass SAMAS UNCS EVE MIN FVTTM Asymmetric Efficiency 20 % Peak intensity 0.6 col/m EDS/each optic 1 Light colour White Required components: Protective plate, glass SAMAS UNCS EVE MIN FVTTM Asymmetric Efficiency 27 % Peak intensity 0.5 col/m EDS/each optic 1 Light colour White Required components: Protective plate, glass SAMAS UNCS EVE MIN FVTTM Asymmetric Efficiency 19 % Peak intensity 0.4 col/m EDS/each optic 1 Light colour White Required components: Protective plate, glass EVE MIN FVTTM Asymmetric Efficiency 19 % Peak intensity 0.4 col/m EDS/each optic 1 Light colour White Required components: Protective plate, glass				
Required components: Protective plate, glass SAMAS SUNS LED LASTC WHM / FVTM Asymmetric Efficiency 80 % Pask intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS LED Mark / FVTM Asymmetric Efficiency 79 % Pask intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS Efficiency 79 % Pask intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMAS SUNS Efficiency 19 % Pask intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	-			
Protective plate, glass LeD LeD LeD WHM / FWTM Asymmetric Encioncy 80 % Peak intensity 0.06 cdHn LED/Beach optic 1 Light colour White Required components: Image: Components Protective plate, glass Image: Components SACMSSURS Light colour White Required components: Image: Components Image: Components SACMSSURS Light colour X hite Required components: Image: Components Image: Components LED / Mine / MyTM Asymmetric Image: Components LeD / Social / Mine Required components: Image: Components LeD / Mine / MyTM Asymmetric Image: Components Image: Components LeD / Mine / MyTM Asymmetric Image: Components Image: Components LeD / Mine / MyTM Asymmetric Image: Components Image: Components LeD / Mine / MyTM Asymmetric Image: Components Image: Components LeD / Mine / MyTM Asymmetric Imag				
Le LAST Control of the symmetric Efficiency 80 % Peak intensity 0.6 cd/m LOBveach optic 1 Light colour White Required components: LP Totective plate, glass SAMAS SUNS Efficiency 79 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: Le Totective plate, glass SAMAS SUNS Efficiency 19 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: Le Totective plate, glass SAMAS SUNS Efficiency 19 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: Le Mark Mark Support Control of Mark Suppor	oquiroù componenter			
LED LH351C WHM / FWTM Asymmetric Efficiency 80% Peak intensity 0.6 dd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass	Protective plat	te, glass	\times	
LED LH351C WHM / FWTM Asymmetric Efficiency 80% Peak intensity 0.6 dd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass			50° 30'	
LED LH351C WHM / FWTM Asymmetric Efficiency 80% Peak intensity 0.6 dd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass	SAMSII	NG		
EWHM / FWTM Asymmetric Efficiency 80 % Peak intensity 0.6 cd/m LBD/seach optic 1 Light colour White Required components: Image: Component in the image: C			80*	
Efficiency 80 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH351D EVHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH502C EVHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH502C EVHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass SAMSSUNG LED LH502C EVHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass			74	
Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass				
LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH351D EVHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Protective plate, glass	•			
Light colour White Required components: Protective plate, glass SAMSSUNG LED LH351D WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH502C WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass				-
Required components: Protective plate, glass SANSUNC LED LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cflm LBDs/each optic 1 Light colour White Required components: Protective plate, glass SANSUNC LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cflm LBDs/each optic 1 Light colour White Required components: Protective plate, glass			57	
SAMSUNG LD LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LDs/each optic 1 Light colour White Required components:				
SAMSUNG LD LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LDs/each optic 1 Light colour White Required components:				
SAMSUNG LED LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	Protective plat	te, glass	\times	
LED LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNS LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			»»* 33 ³	
LED LH351D FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNS LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	SAMSII	NG		
FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component in the i			· **	1
Efficiency 79 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNS LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			734	
Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass				
LEDs/each optic 1 Light colour White Required components: Protective plate, glass SAMSSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			an a	
Light colour White Required components: Protective plate, glass	=			1
Required components: Protective plate, glass			6.	
Protective plate, glass SAMSSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDseach optic 1 Light colour White Required components: Protective plate, glass				
SAMSUNG LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass				
LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	Protective plat	te, glass		
LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			30*	
LED LH502C FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			<u></u>	
FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass			90°	_
Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass				1
Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass			286	2
LEDs/each optic 1 Light colour White Required components: Protective plate, glass				
Light colour White Required components: Protective plate, glass				-
Required components: Protective plate, glass				
Protective plate, glass			.	
	equired components:			
	Protective pla	te, glass		
have			\times /	
42			30* 15	



SAMSUN	IG	
LED	LH502D	20 S
FWHM / FWTM	Asymmetric	75°
Efficiency	91 %	
Peak intensity	0.5 cd/lm	eor And
LEDs/each optic	1	
Light colour	White	
Required components:	white	400
required components.		\times
		500
		30° 13° 0° 15°
SECUL		90*
LED	MJT 5050	
FWHM / FWTM	Asymmetric	750 100
Efficiency	91 %	
Peak intensity	0.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	
Required components:		400
		X / T / X
		600
		30° 13 ⁵ 0 ⁶ 10* 3
		90*
LED		
	SEOUL DC 5050 6V	
	SEOUL DC 5050 6V Asymmetric	75%
FWHM / FWTM	SEOUL DC 5050 6V Asymmetric 91 %	R*10
FWHM / FWTM Efficiency	Asymmetric 91 %	6 ¹
FWHM / FWTM Efficiency Peak intensity	Asymmetric	50 Jap
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.5 cd/lm	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1	5°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.5 cd/lm 1	55
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.5 cd/lm 1	50 10 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.5 cd/lm 1	5° 40 90 90 90 90
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1	40 50 50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 % 0.6 cd/lm 1	40 90 22 ⁺ 22 ⁺ 0 ⁺ 22 ⁺
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: store static optic LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: second semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.5 cd/lm 1 White Z5M3 Asymmetric 79 % 0.6 cd/lm 1 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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