

STRADA-2X2-CAT

Catenary street light beam optimized for EN13201 M-classes

TECHNICAL SPECIFICATIONS:

Dimensions

Height

Fastening

6.2

glue,

ROHS compliant

50.0 mm 6.2 mm glue, pin, screw yes ^①

MATERIAL SPECIFICATIONS:

Component STRADA-2X2-CAT **Type** Multi-lens



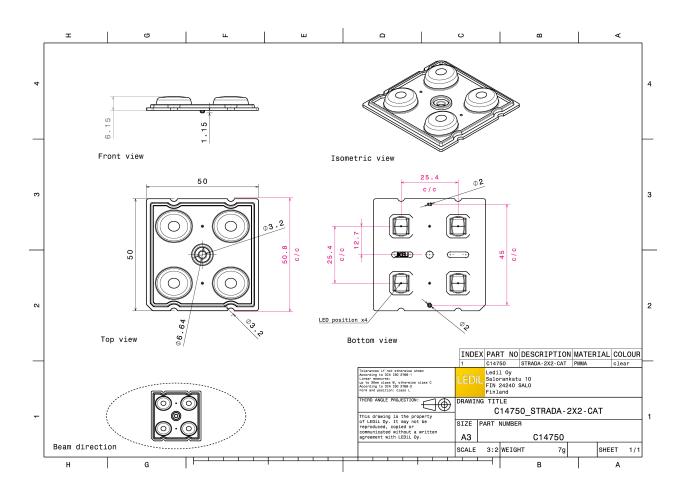
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component

C14750_STRADA-2X2-CAT » Box size: 480 x 280 x 300 mm

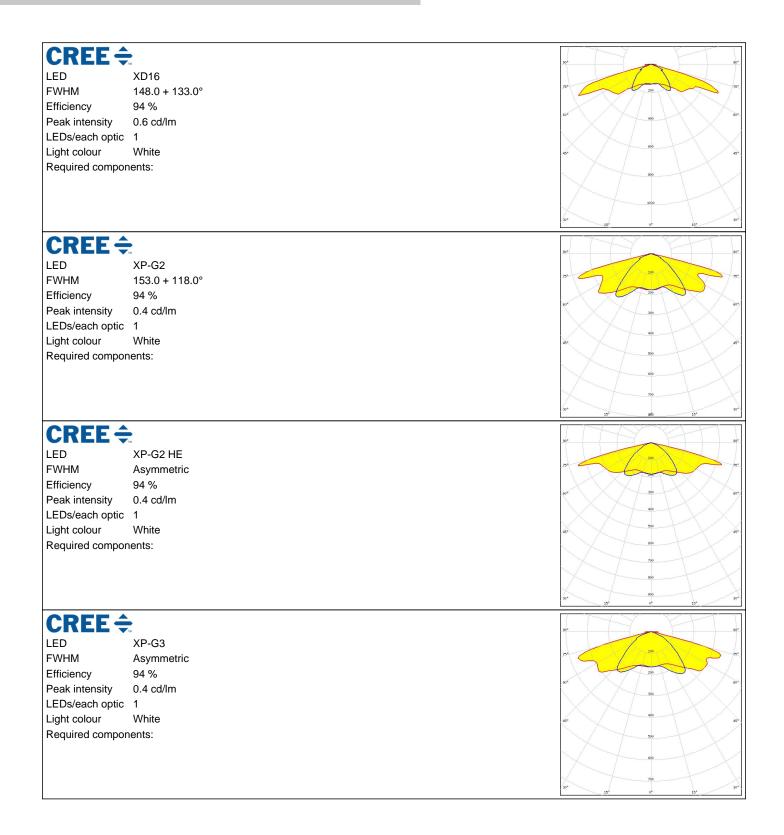
Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	6.3





White	
White	
White	50° 50° 50° 50° 50° 50° 50° 50°
XD16 150.0 + 126.0° 94 % 0.4 cd/lm 4 4 White 4 10 10 10 10 10 10 10 10 10 10 10 10 10	
	152.0 + 117.0° 94 % 0.5 cd/lm 1 White ents: QUICK FLUX XTP 2x6 xxx LS G5 153.0 + 118.0° 94 % 0.5 cd/lm 1 White ents: QUICK FLUX XTP 2x8 xxx LS G5 152.0 + 118.0° 94 % 0.5 cd/lm 1 White ents: XD16 150.0 + 126.0° 94 % 0.4 cd/lm 4







	XP-L HI 153.0 + 118.0° 94 % 0.4 cd/Im 1 White	991 100 100 100 100 100 100 100
🕑 LG Innot	ak	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	H35C1 (LEMWA33) 154.0 + 116.0° 94 % 0.3 cd/lm 1 White	92* 72* 64* 65* 66* 67* 66* 67* 66* 67* 66*
		60 30 ⁴ 15 ³ 30 15 ⁴ 20 ⁴
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON 5050 Round LES 149.0 + 119.0° 94 % 0.4 cd/lm 1 White	99 79 60 60 79 60 70 70 70 70 70
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON V 152.0 + 117.0° 94 % 0.3 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):

~		
ØNICHIA		
LED	NVSW219F	
FWHM	154.0 + 118.0°	735 100 75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic		400
Light colour	White	550
Required compor		45
Required compor	ents.	
		700
		30° <u>15</u> ° <u>00</u> 15° 30°
ØNICHIA		
		90 ⁴ 90 ⁵
LED	NVSW319B	100 755
FWHM	155.0 + 120.0°	200
Efficiency	94 %	. 60 ⁴
Peak intensity	0.5 cd/lm	440
LEDs/each optic		
Light colour	White	- 67 - 670 - 67 ⁴
Required compor	ents:	740
		No No
		30 ⁺ 15 ² 0 ⁰ 15 ⁺ 30 ⁺
ØNICHIA		
		90* 90*
LED	NVSW3x9A	100 75°
FWHM	152.0 + 125.0°	200
Efficiency	94 %	50° 340 50°.
Peak intensity	0.5 cd/lm	
LEDs/each optic		400
Light colour		400
Light colour	White	6°. 69. 6°.
Light colour Required compor	White	40 50 6° 60 70
	White	
	White	40 50 61 70 70 80 90 90
	White	5° 60 67 70 70 50 70 70 50 70 70 70 70 70 70 70 70 70 7
Required compor	White	6° 60 0° 6° 00 00 00 00 00 00 00 00 00 0
Required compor	White ents:	40 50 50 70 90 90 90 90 90 90 90 90 90 90 90 90 90
Required compor	White ents: NVSxE21A	40 50 50 70 70 90 90 90 90 90 90 90 90 90 90 90 90 90
Required compor	White ents: NVSxE21A 142.0 + 130.0°	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 %	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1 White	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1 White	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1 White	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1 White	
Required compor	White ents: NVSxE21A 142.0 + 130.0° 94 % 0.5 cd/lm 1 White	

PRODUCT DATASHEET



OSRAM		20*
LED	PrevaLED Brick HP 2x8	
FWHM	152.0 + 119.0°	739 200 780
Efficiency	94 %	200
Peak intensity	0.4 cd/lm	501 604
LEDs/each optic		
Light colour	White	45* 400 45*
Required compor		
		60
		700
		90° 15° 0° 15°
OSRAM Opto Semiconductors		90 ⁺
LED	Duris S8	30°
FWHM	150.0 + 117.0°	759 100 752
Efficiency	94 %	20
Peak intensity	0.4 cd/lm	63° 66°.
LEDs/each optic		
Light colour	White	40
Required compor		50
		60
		700
		30° 800 30° 30°
OSRAM		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	50*
FWHM	152.0 + 119.0°	700 700 700
Efficiency	94 %	20
Peak intensity	0.4 cd/lm	.60* 60*
LEDs/each optic		
Light colour	White	5° 400 5°
Required compor		
l'indanida compor		500
		00
		700
		30* 15 ⁴ 30*
OSRAM		
	OSLON Square PC	
LED	OSLON Square PC	75 200 721
LED FWHM	Asymmetric	200 200 200
LED FWHM Efficiency	Asymmetric 94 %	75 ⁴
LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm	200 500 200 60°.
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	200 500 500 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	25 - 200 - 52. 200 - 200
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	27 20 20 20 20 40 40 60 60 70 60 60 70 60 60 70 60 60 70 60 60 70 60 60 70 60 60 70 60 60 70 60 70 60 70 70 70 70 70 70 70 70 70 7



PHILIP	5	90*
LED	Fortimo FastFlex LED 2x8 DA G4	
=WHM	117.0 + 153.0°	736
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60° 400
LEDs/each optic		
Light colour	White	45* 010
Required compor	ients:	
		240
		\times / \land λ
		30° 1000
PHILIP	20	
		90*
LED	Fortimo FastFlex LED 2x8 DA G4+	75
FWHM	Asymmetric	
Efficiency	94 %	604 X X 300 X X
Peak intensity	0.4 cd/lm	
LEDs/each optic	1 White	
Light colour Required compor		45' 600
Required compor	ients.	
		Nº N
		800
		30° <u>900</u> 115° 0° 115°
<u> </u>	ING	90°
LED	HiLOM RH16 (LH351C)	
	HiLOM RH16 (LH351C) Asymmetric	309
FWHM	HiLOM RH16 (LH351C) Asymmetric 94 %	
FWHM Efficiency	Asymmetric	23°
FWHM Efficiency Peak intensity	Asymmetric 94 % 0.4 cd/lm	85 <u>30</u> 30
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.4 cd/lm	20 40 40
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White	5° 50
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White	20 60 60 60 60 60
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White	20 30 40 40 40 40 40 40 40 40 40 4
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White eents:	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White eents:	27 ⁴ 40 ⁵ 50 400 50 50 50 50 50 50 50 50 50
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White eents:	23° 20 60° 20 70 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White vents: ING LH351B	23° 6° 90 60 70 20 70
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 0.4 cd/lm 1 White vents: ING LH351B 154.0 + 119.0°	23° 6° 90 60 70 20 70
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency	Asymmetric 94 % 0.4 cd/lm 1 White vents: ING LH351B	23° 6° 90 60 70 20 70
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.4 cd/lm 1 White ments:	27 ⁴ 40 ⁵ 50 400 50 50 50 50 50 50 50 50 50
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.4 cd/lm 1 White ments:	23° 20 60° 20 70 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White hents: NG LH351B 154.0 + 119.0° 94 % 0.3 cd/lm 1 White	27 ⁴ 40 ⁵ 50 400 50 50 50 50 50 50 50 50 50
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White hents: NG LH351B 154.0 + 119.0° 94 % 0.3 cd/lm 1 White	27 ⁴ 40 ⁵ 50 400 50 50 50 50 50 50 50 50 50
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White hents: NG LH351B 154.0 + 119.0° 94 % 0.3 cd/lm 1 White	22° 20 60° 20 60° 20 70° 20 80° 20 70° 20 70° 20 80° 20 80
EWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU ED EWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.4 cd/lm 1 White hents: NG LH351B 154.0 + 119.0° 94 % 0.3 cd/lm 1 White	23° 20 60° 20 60° 20 20° 20° 20° 20° 20° 20° 20° 20° 20° 20°



	Z5M3	
FWHM	Asymmetric	75°
Efficiency	94 %	
	0.5 cd/lm	50° 50°.
Peak intensity		
LEDs/each optic	White	500
Light colour		45° 660
Required compon	ems.	710
		XXIX
		30° 11° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22	
FWHM	143.0 + 128.0°	200
Efficiency	94 %	50°
Peak intensity	0.5 cd/lm	400
LEDs/each optic		
Light colour	White	45* 640 45*
Required compon	ents:	
		800
		$X / T \setminus X$
		30° 30° 30° 30° 30°
LED	Z8Y22P	
FWHM	151.0 + 130.0°	750
Efficiency	94 %	200
Peak intensity	0.5 cd/lm	50 ⁴ 300 50 ⁴
LEDs/each optic		460
Light colour	White	
Required compon		40° 40°
		700
		500
		30° 15° 30°
TRIDON		
LED	RLE 2x4 2000lm HP EXC2 OTD	
FWHM	151.0 + 119.0°	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon	ents:	



\/ \ N		TXY YXI
TRIDON		90* 90*
LED	RLE 2x8 4000lm HP EXC2 OTD	
FWHM	151.0 + 119.0°	200
Efficiency	94 %	50* 50*
Peak intensity	0.6 cd/lm	
LEDs/each optic		
Light colour	White	6° 6'
Required compor	ents:	
		\times
		1000
		30* 152 0* 152 30*
TRIDON		
		90* 90*
LED	RLE G1 49x121mm 2000lm xxx EXC OTD	750 100 770
FWHM	147.0 + 107.0°	
Efficiency	94 %	50°
Peak intensity	0.4 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor	ents:	600
		710
		800
		30° 15° 900 15° 30°
TRIDON		THATT
LED		90* 90*
FWHM	RLE G1 49x133mm 2000lm xxx EXC OTD 147.0 + 107.0°	730 200
Efficiency		
	94 % 0.4 cd/m	50* 600 60*
Peak intensity	0.4 cd/lm	60° 60°
Peak intensity LEDs/each optic	0.4 cd/lm 1	6° (6° (6° (6° (6° (6° (6° (6° (6° (6° (
Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	6° 6° 6°
Peak intensity LEDs/each optic	0.4 cd/lm 1 White	61 ⁴ 660 674
Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	61 ⁻ 000 60 ¹
Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compor	0.4 cd/lm 1 White ents:	100
Peak intensity LEDs/each optic Light colour Required compor	0.4 cd/lm 1 White ents:	100
Peak intensity LEDs/each optic Light colour Required compor	0.4 cd/lm 1 White ents: IC RLE G1 49x223mm 4000lm xxx EXC OTD	100
Peak intensity LEDs/each optic Light colour Required compor	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0°	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 %	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1 White	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1 White	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1 White	100
Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White ents: RLE G1 49x223mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1 White	100

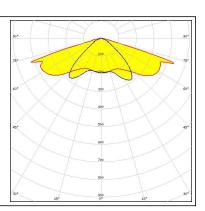


PHOTOMETRIC DATA (MEASURED):

TRIDONIC

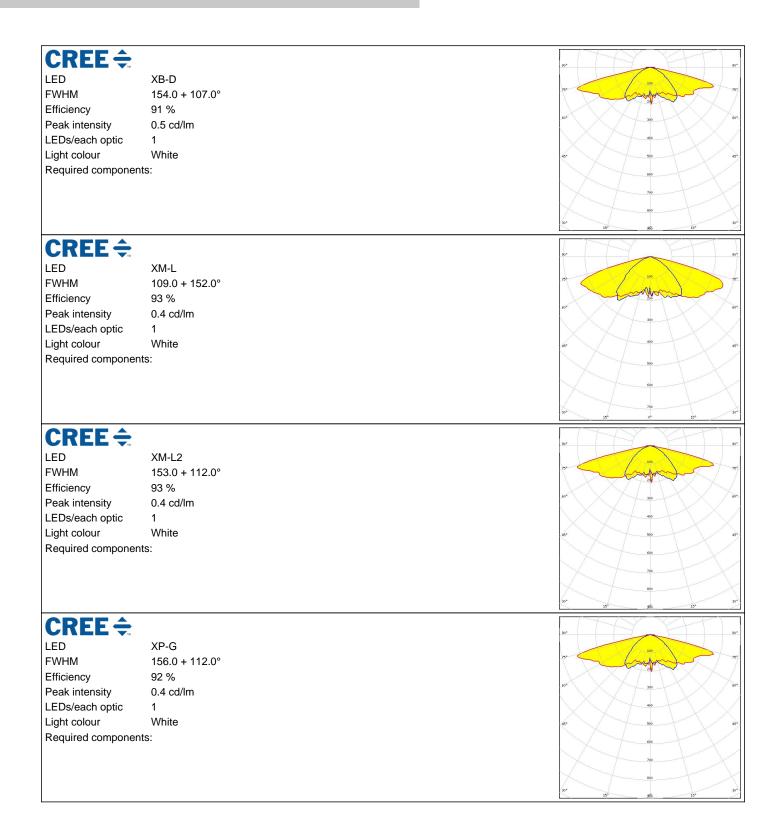
LEDRLEFWHM147.1Efficiency94 %Peak intensity0.4 cLEDs/each optic1Light colourWhitRequired comporters:

RLE G1 49x245mm 4000lm xxx EXC OTD 147.0 + 107.0° 94 % 0.4 cd/lm 1 White



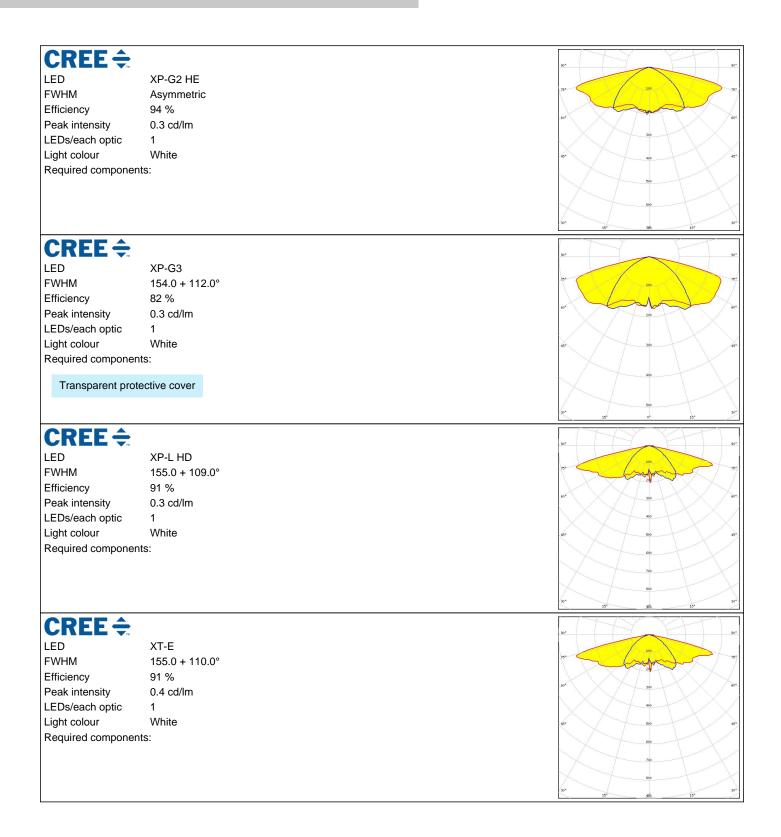
PRODUCT DATASHEET







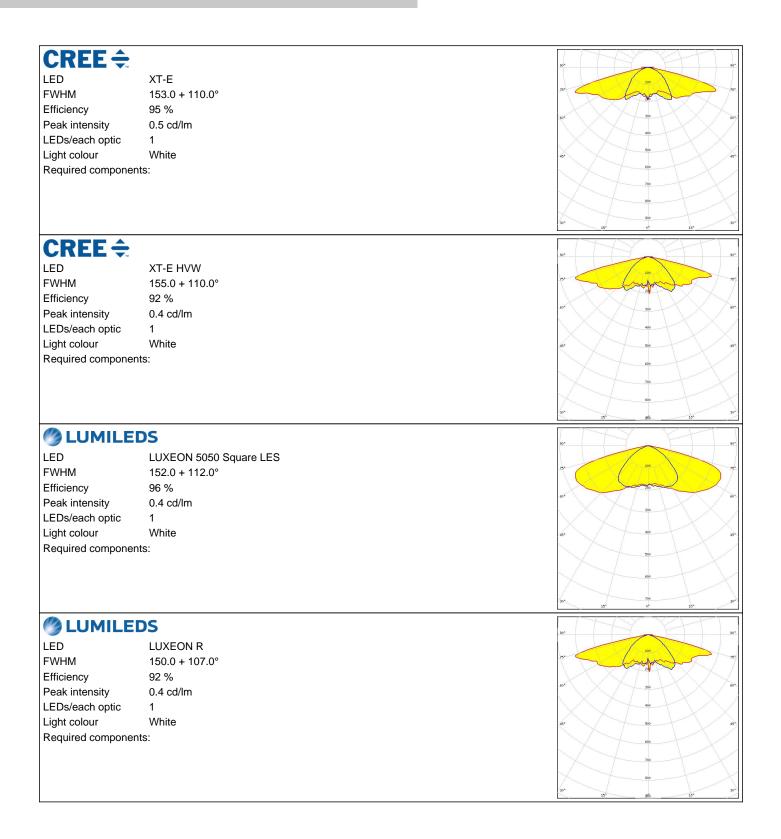
PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET



PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET



	DS	90*
LED	LUXEON Rebel ES	
FWHM	151.0 + 106.0°	75° 200
Efficiency	92 %	
Peak intensity	0.4 cd/lm	50* 300 60*
LEDs/each optic	1	400
	White	
Light colour Required componen		45* 500 65*
Required componen	15.	600
		700
		200
		30* <u>15⁵</u> 30 , <u>15</u> * <u>30</u> *
		90* 90*
LED	LUXEON T	200
FWHM	154.0 + 110.0°	Then the
Efficiency	96 %	50* 50*
Peak intensity	0.4 cd/lm	30
LEDs/each optic	1	40
Light colour	White	45° 50 65°
Required componen	ts:	
		700
		200
		15 ⁵ 0 ⁶ 10 ⁴
	DS	90* 92*
LED	LUXEON TX	
FWHM	153.0 + 108.0°	TO CONTRACT TO
Efficiency	92 %	
Peak intensity	0.5 cd/lm	.50* 300 50*
LEDs/each optic	1	400
Light colour	White	45' 500 45'
Required componen	ts:	
		710
		800
		30° 15° 968 15° 30°
	DS	
LED	LUXEON V2	90*
FWHM	154.0 + 110.0°	730
Efficiency	94 %	Composition of the second seco
Peak intensity	94 % 0.4 cd/lm	50* 300 60*
LEDs/each optic	0.4 co/im 1	
Light colour	White	
		45* 540 45*
Required componen	18.	60
		30* 800 30*



ΜΝΙCΗΙΛ		
LED	NCSxx19B	
FWHM	152.0 + 111.0°	73° 100 75°
Efficiency	91 %	
		50* 300 60*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$X \times / T \setminus X X$
Light colour	White	6° × × 6°
Required component	S.	600
		700
		800
		30* 30*
Μ ΝΙCΗΙΛ		
		90* 90*
LED	NV4WB35AM	100
FWHM	Asymmetric	
Efficiency	96 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	400
Light colour	White	-6°
Required component	S:	
		70
		30* 800 30*
Maure		15 ² 0 ⁶ 15 ²
ΜΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM	105.0 + 146.0°	734
Efficiency	84 %	200
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	$\times \times / \top \setminus \times \times$
Light colour	White	45* 400 45*
Required component	S:	500
Transparent prote	ctive cover	800
		700
\sim		
ΜΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	100
	NVSxx19B/NVSxx19C Asymmetric	
LED		74
LED FWHM	Asymmetric	
LED FWHM Efficiency Peak intensity	Asymmetric 92 %	20 500 72° 500 500 72° 60° 500 60°
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.4 cd/lm 1 White	



OSRAM Opto Semiconductors		90*
LED	Duris S8	
FWHM	Asymmetric	75* 100 75*
Efficiency	86 %	
Peak intensity	0.4 cd/lm	504 200 504
LEDs/each optic	1	
Light colour	White	
Required componen		451 400
Required component	15.	\times
Transparent prot	ective cover	200
		-30*
OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (3W version)	
FWHM	153.0 + 92.0°	736 200
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	30
Light colour	White	
Required componen		
		X/TX
		800
		710
		30* <u>15°</u> 0* <u>15°</u> 30*
OSRAM Opto Semiconductors		50°
		750 770
	OSLON Square CSSRM2/CSSRM3	70%
FWHM	148.0 + 116.0°	200
LED FWHM Efficiency	148.0 + 116.0° 82 %	20 5 ¹ 5 ¹ 20 6 ¹
FWHM Efficiency LEDs/each optic	148.0 + 116.0° 82 % 1	
FWHM Efficiency LEDs/each optic Light colour	148.0 + 116.0° 82 % 1 White	20 72 0 ¹⁴ 20 0 ¹⁴ 20 0 ¹⁴ 20 0 ¹⁴ 0 ¹⁴ 0 ¹⁴
FWHM	148.0 + 116.0° 82 % 1 White	2 ³ 50 52 60 ⁴ 20 67 20 67 20 67 50 69
FWHM Efficiency LEDs/each optic Light colour Required componen	148.0 + 116.0° 82 % 1 White ts:	50° 500 50° 50° 200 60° 300 60°
FWHM Efficiency LEDs/each optic Light colour	148.0 + 116.0° 82 % 1 White ts:	50° 50° 60° 61° 20° 60°
FWHM Efficiency LEDs/each optic Light colour Required componen	148.0 + 116.0° 82 % 1 White ts:	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote	148.0 + 116.0° 82 % 1 White ts:	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote	148.0 + 116.0° 82 % 1 White ts: ective cover	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3 Asymmetric	20 ⁴
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 %	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm	20 ⁴
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	148.0 + 116.0° 82 % 1 White ts: Active cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm 1	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm 1 White	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	148.0 + 116.0° 82 % 1 White ts: ective cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm 1 White	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	148.0 + 116.0° 82 % 1 White ts: Active cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm 1 White ts:	
FWHM Efficiency LEDs/each optic Light colour Required componen Transparent prote Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	148.0 + 116.0° 82 % 1 White ts: Active cover OSLON Square CSSRM2/CSSRM3 Asymmetric 85 % 0.4 cd/lm 1 White ts:	



PHOTOMETRIC DATA (SIMULATED):

PHILIPS	2	
	>	90*
LED	Fortimo FastFlex LED 2x8 DAX G4	100
FWHM	157.0 + 94.0°	780
Efficiency	94 %	
Peak intensity	0.4 cd/lm	. 60'
LEDs/each optic	1	***
Light colour	White	
Required componer		(49)
Required componer	115.	20
		20-
SAMSUI		80*
LED	LH351A	200
FWHM	158.0 + 116.0°	the faither the
Efficiency	92 %	
Peak intensity	0.4 cd/lm	50° 300
LEDs/each optic	1	40
Light colour	White	45° 500
Required componer		
i toqui ou componei		600
		740
		90
		30* <u>35</u> 96 <u>35</u> *
SAMSUI	NG	
		90,*
LED	LH351D	70 100
FWHM	153.0 + 113.0°	
Efficiency	92 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	30
Light colour	White	187
Required componer	nts:	400
		80
		600
		30* <u>15</u> 0 ⁶ 15*
SAMSUI	NG	20*
LED	LH351Z	
FWHM	150.0 + 105.0°	70°
Efficiency	93 %	
	93 % 0.4 cd/lm	50 ⁴
Peak intensity		
LEDs/each optic	1	
Light colour	White	65* 500
Required componer	its:	
		76
		800
		30" 15 ³ 960 15"

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PHOTOMETRIC DATA (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR		80°
LED	Z5M	100
FWHM	153.0 + 110.0°	The Tool Tool
Efficiency	92 %	
Peak intensity	0.4 cd/lm	.61 ⁴ 300 604
LEDs/each optic	1	400
Light colour	White	45* 500 45*
Required component	ts:	200
		30 ⁴ 30 ⁴
		30 15° 90 15° 30

PRODUCT DATASHEET



GENERAL INFORMATION:

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

MATERIALS:

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

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