

STRADA-2X2-ME-WIDE2

Beam with excellent longitudinal luminance uniformity for staggered pole setups fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



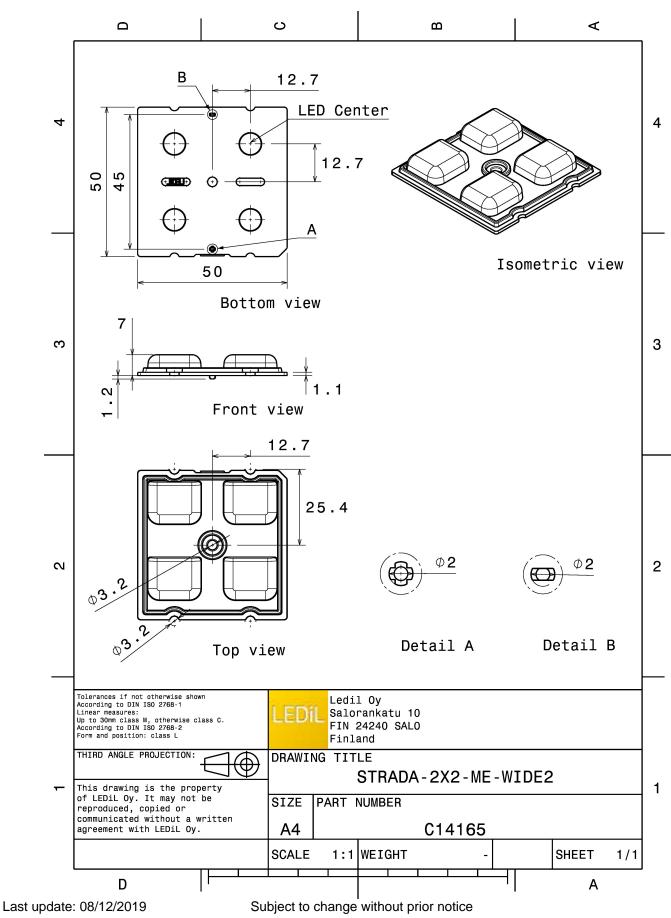
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-2X2-ME-WIDE2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

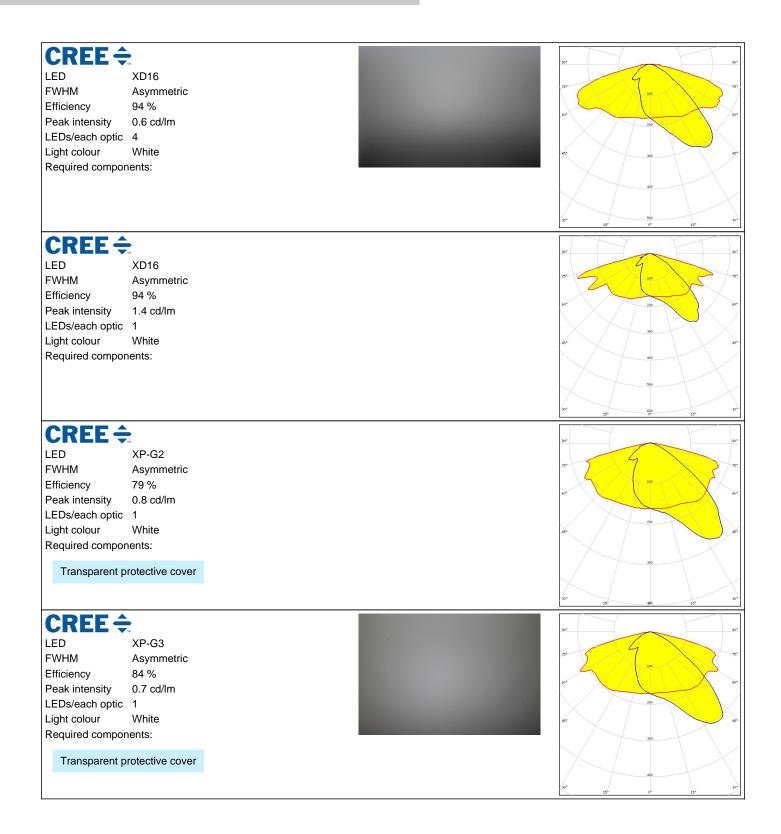
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14165_STRADA-2X2-ME-WIDE2	800	160	160	7.6
» Box size: 480 x 280 x 300 mm				



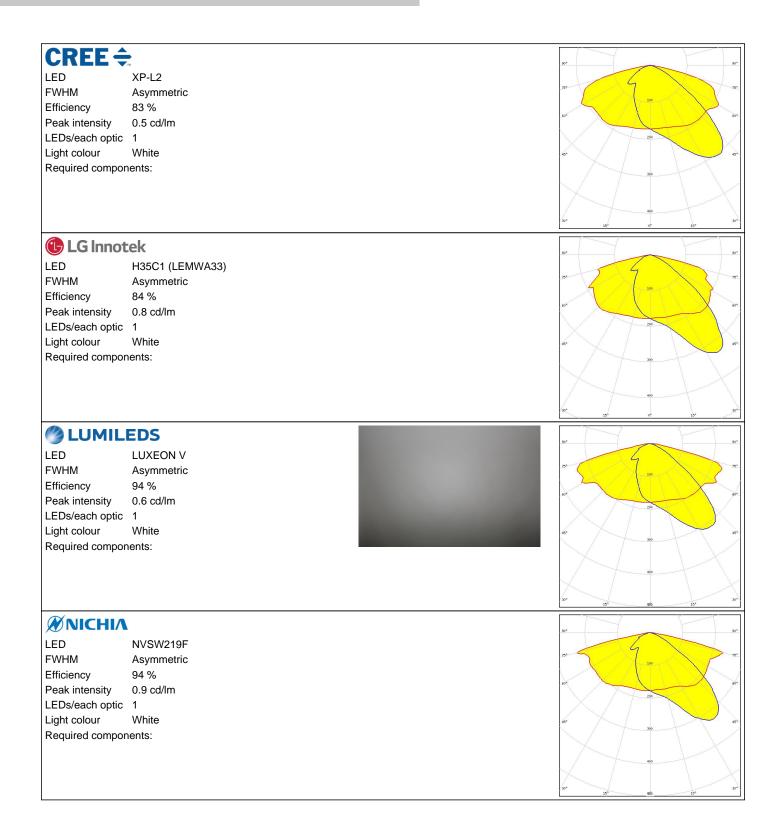


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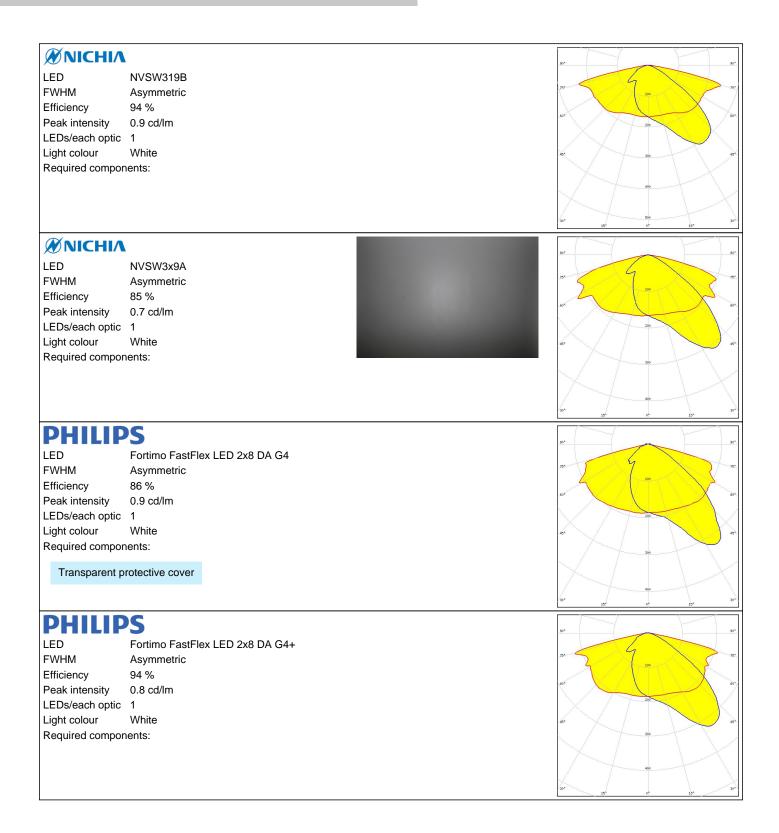














PHILIP	S	90*
LED	Fortimo FastFlex LED 2x8 DAX G4	4
FWHM	Asymmetric	75*
Efficiency	84 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	200
Light colour	White	
Required compor	ents:	300
Transparent p	otective cover	
СЛВЛСИ	NC	20° 12° 0° 12°
SNMS U		90* ·
LED	HiLOM RH16 (LH351C)	
FWHM	Asymmetric	100
Efficiency	94 %	501
Peak intensity	0.8 cd/lm	
LEDs/each optic		
Light colour	White	45* 300
Required compor	ents:	\times
		400
		\times \land \land \times
		30* 500
SNMS U	NG	
LED	LH351B	30*
FWHM	Asymmetric	750 9
Efficiency	94 %	
Peak intensity	0.9 cd/lm	100
LEDs/each optic		200
Light colour	White	
Required compor		35* 300
rtequirea compor		X X
		400
		$X \rangle$
		30* 15 ³ 580 15*
SEOUL		NY HT
	Z5M3	90*
LED FWHM		730 7
	Asymmetric	200
Efficiency	94 %	50*
Peak intensity	0.9 cd/lm	20
LEDa/aash and	1 White	
LEDs/each optic Light colour		NO 200
		300
Light colour		
Light colour		40



SEOUL		
SEOUL SEMICONDUCTOR	Z5M4	90* 90*
FWHM		730 770
	Asymmetric 97 %	
Efficiency		60° 200 60°.
Peak intensity	0.9 cd/lm	
LEDs/each optic		
Light colour	White	6° 6'
Required compor	ents:	400
		30° 30° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90+ 90+
LED	Z8Y22	9
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic		
Light colour	White	45°
Required compor	ents:	400
		\times $(\top) \times$
		500
		30" 30"
TOSHIBA Leading Innovation >>>		
LED	TL1L4	
FWHM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
Required compor		
Transparent p	rotective cover	
TRIDON		
LED	RLE 2x4 2000lm HP EXC2 OTD	
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.3 cd/lm	
LEDs/each ontic		
LEDs/each optic		
Light colour	White	
	White	
Light colour	White	
Light colour	White	



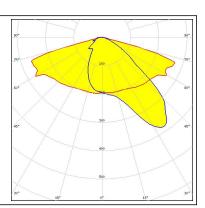
FWHM Efficiency S Peak intensity LEDs/each optic	RLE 2x8 4000lm HP EXC2 OTD Asymmetric 94 % 1.3 cd/lm 1 White	67 - 60 70 70 70 70 70 70 70 70 70 70 84
FWHM Efficiency S Peak intensity LEDs/each optic	RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	50 30 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 30 ¹⁰ 50 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 30 ¹⁰ 50 ¹⁰ 20
FWHM Efficiency S Peak intensity LEDs/each optic	RLE G1 49x133mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White	
FWHM Efficiency	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm	50 ⁵⁰ 50



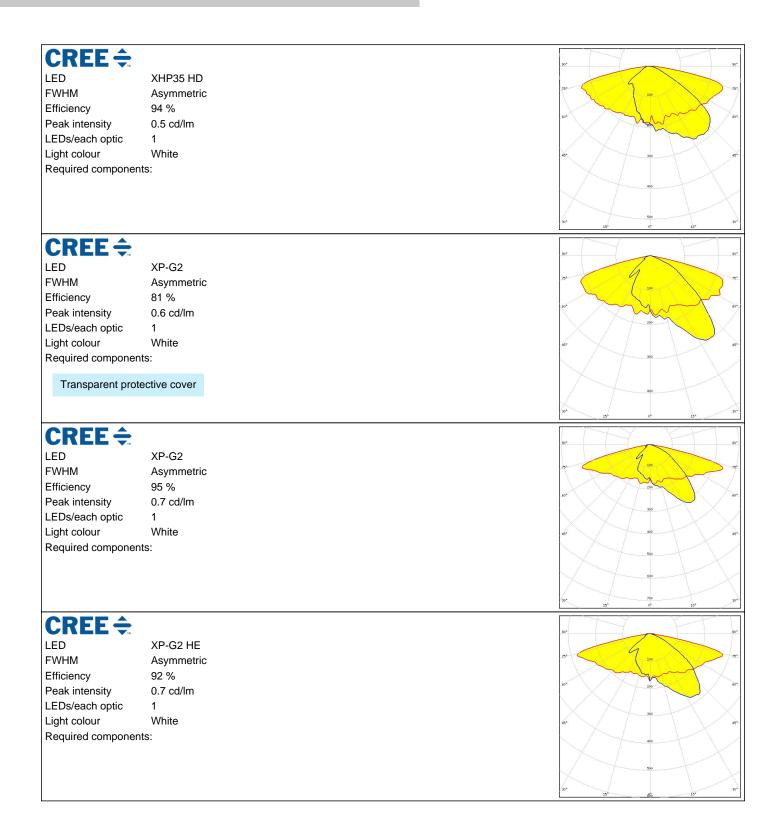
TRIDONIC

LEDRLEFWHMAsynEfficiency94 %Peak intensity1.3 cLEDs/each optic1Light colourWhitRequired components:

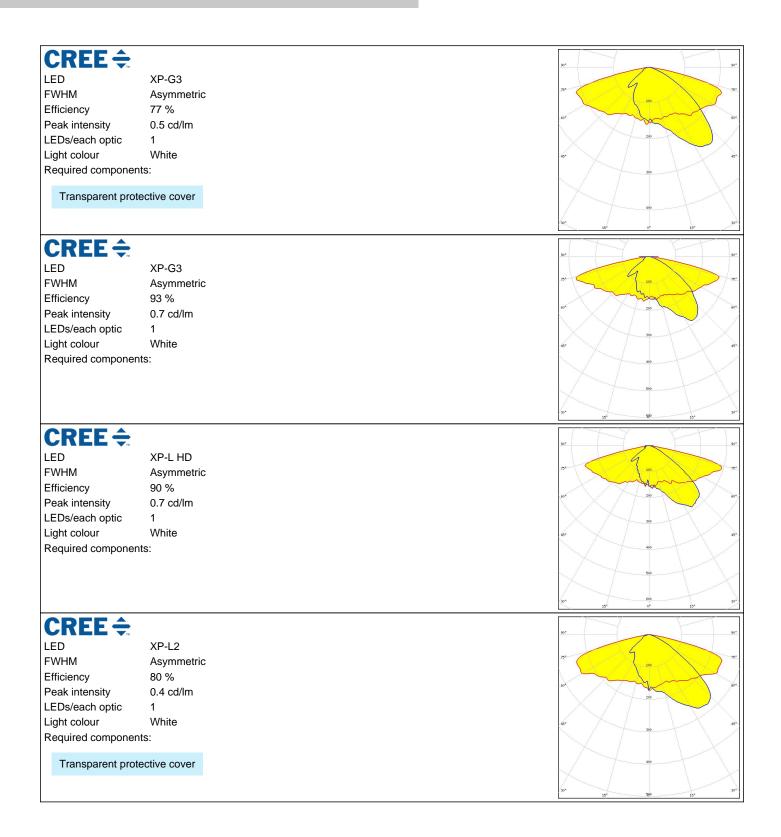
RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White













CREE ≑		90°
LED	XT-E	9
FWHM	Asymmetric	73°
Efficiency	80 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	·6*
Required component	ts:	
Transparent prote	active cover	\times
		400
		30* <u>15</u> ⁵ 0° <u>15</u> ⁵ 30 ⁴
	DS	90° 90°
LED	LUXEON 5050 Round LES	5
FWHM	Asymmetric	73° 100 75°
Efficiency	84 %	
Peak intensity	0.5 cd/lm	.50 ⁴ 210 65 ⁴
LEDs/each optic	1	
Light colour	White	.45*
Required component	ts:	400
		\times
Transparent prote	ective cover	500
		30 <u>600</u> 115 ⁶ 0 ⁶ 115 ⁶
	DS	90.4 27.4 20.4 20.4 20.4 20.4 20.4 20.4 20.4 20
LED	LUXEON 5050 Round LES	
LED FWHM	LUXEON 5050 Round LES Asymmetric	
LED FWHM Efficiency	LUXEON 5050 Round LES Asymmetric 94 %	
LED FWHM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIA LED FWHM	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component KWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component KWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component KWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.6 cd/lm 1 White ts: NV4WB35AM Asymmetric 95 % 0.6 cd/lm 1 White	



Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM	Asymmetric	75°
Efficiency	82 %	
Peak intensity	0.7 cd/lm	-60 ⁴
LEDs/each optic	1	\times / \uparrow^{\ast}
Light colour	White	
Required compone		45* 300 45*
Required compone	115.	
Transparent pro	tective cover	
		30° 30° 30°
Μ ΝΙCΗΙΛ		90° 90°
LED	NVSxx19B/NVSxx19C	
FWHM	Asymmetric	75°
Efficiency	81 %	
Peak intensity	0.6 cd/lm	60* 6**.
LEDs/each optic	1	
Light colour	White	45° (5°
Required compone	nts:	30
Transparent pro	tective cover	400
		30° 30° 30° 30°
Μ ΝΙCΗΙΛ		90° 90°
LED	NVSxx19B/NVSxx19C	4
FWHM	Asymmetric	73°
Efficiency	94 %	X Mart X
Peak intensity	0.9 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	White	45' 45'
Required compone		400
		500
		30° 600 30° 30° 30°
OSRAM		
LED	PrevaLED Brick HP 2x8	90° 90°
FWHM		
	Asymmetric	75°
	Asymmetric	
Efficiency	92 %	20
Efficiency Peak intensity	92 % 0.9 cd/lm	2 million
Efficiency Peak intensity LEDs/each optic	92 % 0.9 cd/lm 1	2 million
Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.9 cd/lm 1 White	2 million
Efficiency Peak intensity LEDs/each optic	92 % 0.9 cd/lm 1 White	2 million
Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.9 cd/lm 1 White	2 million - 2
Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.9 cd/lm 1 White	2 million - 2
Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.9 cd/lm 1 White	2 million - 2



OSRAM Opto Semiconductors LED	Duris S8	99* 99* 200
FWHM	Asymmetric	
Efficiency	93 %	at 2 m Many
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6° 40 6°
Required compone	nts:	20
		20 ⁴ 25 ² 26 ⁶ 25 ⁴ 26 ⁴
OSRAM Opto Semiconductors		80. 10.
LED	OSCONIQ P 3737 (2W version)	
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	6° 6
Required compone	nts:	40
		\times / \times /
		50
		30* 30*
		30 23 ⁴ 660 15 ⁴
OSRAM Opto Semiconductors		9 ⁴
LED	OSCONIQ P 3737 (3W version)	
FWHM	Asymmetric	78
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60°,
LEDs/each optic	1	X 30
Light colour	White	
Required compone		40
		50
		33' 00 00' 37'
OSRAM		
LED	OSCONIQ P 3737 (3W version)	
FWHM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Transparent pro	tective cover	
1		



OSRAM		
Opto Semiconductors		90* 90*
LED FWHM	OSLON Square CSSRM2/CSSRM3	751 701
Efficiency	Asymmetric 82 %	
		60*
Peak intensity	0.6 cd/lm 1	
LEDs/each optic Light colour	White	
Required compone		45*
	113.	
Transparent pro	tective cover	
		400
		30 ₅ 55 ₅ 6 ₆ 13 ₂ 29 ₆
OSRAM Opto Semiconductors		8°
LED	OSLON Square CSSRM2/CSSRM3	9
FWHM	Asymmetric	73 5 70 78
Efficiency	92 %	
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	1	× × ×
Light colour	White	6°
Required compone	nts:	400
		60
000044		
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM	Asymmetric	75%
Efficiency	79 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	401 631
Required compone	nts:	30
-		
Transparent pro	tective cover	
		30* 30*
SAMSU		90* 90*
LED	LH351D	4
FWHM	Asymmetric	75 200
Efficiency	75 %	in The Man and
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	$ X / T \vee X $
Light colour	White	- 6°
Required compone	nts:	30
Transparent pro	tective cover	
Παποραιστιτ μιο		40
		30 ⁴ m ³
		15° V° 15°



SEOUL		90* 90*
LED	MJT 5050	
FWHM	Asymmetric	750 100 750
Efficiency	95 %	
Peak intensity	0.5 cd/lm	50°
LEDs/each optic	1	*
Light colour	White	45* 400 45*
Required componer	its:	
		X
		30* 35 ⁴ 0 ⁶ 30*
SEOUL		
SEOUL SEOUL SEMICONDUCTOR		90° 90°
	SEOUL DC 5050 6V	1
seoul semiconductor LED FWHM	Asymmetric	90 ⁴ 90 ⁴
seoul semiconductor LED FWHM Efficiency	Asymmetric 95 %	1
seoul semiconductor LED FWHM Efficiency Peak intensity	Asymmetric 95 % 0.5 cd/lm	754
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.5 cd/lm 1	754
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	754
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.5 cd/lm 1 White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 cd/lm 1 White	
stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.5 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:

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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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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