

STRADELLA-8-HV-T1-A

Asymmetric IESNA Type I (short) beam designed for tilted poles. Suitable for Indian EESL specification. Variant with improved creepage distance for high voltage circuit design.

Dimensions	49.5 x 49.5 mm
Height	5.3 mm
Fastening	pin, screw
ROHS compliant	yes 🛈

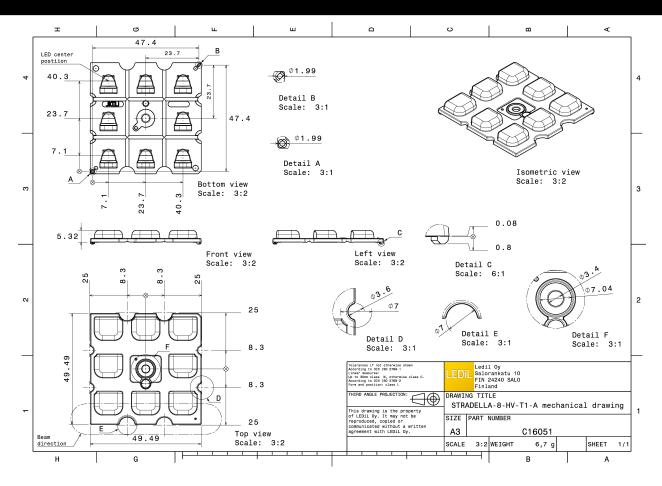


MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-T1-A	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16051_STRADELLA-8-HV-T1-A	800	160	160	6.2
» 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):

LED	J Series 3030	90* 90*
EED FWHM / FWTM		75° 75°
	Asymmetric	400
Efficiency	97 %	504 504
Peak intensity	1.1 cd/lm	00
LEDs/each optic	1	
Light colour	White	45* 45*
Required compone	ints:	
		1500
		\times / T \ \times
		30* 13 ⁵ 2050 15* 30*
CREE ÷		
		90 ⁴ 90 ⁴
LED	XD16	
FWHM / FWTM	Asymmetric	400 75°
Efficiency	94 %	50 ⁴
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	1200
Light colour	White	45° 65°
Required compone	ints:	1600
		\times / \times
		2000
		30* 30*
		15 ² 0 ⁰ 15 ⁴
		95° 90°
LEDS	XT-E	*
LED	XT-E Asymmetric	
LED FWHM / FWTM	Asymmetric	R1
LED FWHM / FWTM Efficiency	Asymmetric 94 %	91 ⁴ 91 ⁴ 91 ⁴ 90 91 ⁴ 92 92 92 92 92 92 92 92 92 92 92 92 92
LEDs LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 1 cd/lm	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1	50 ⁴ 500 50 ⁴
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	60° 60°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White	61 60 60 60 60 60 60 60 60 60 60 60 60 60
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	60° 60° 900 -00°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	61 60 60 60 60 60 60 60 60 60 60 60 60 60
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	61 ⁴ 699 60 ⁴ 909 60 ⁴ 1000 1200 1000
LEDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 1 cd/lm 1 White ents:	61 60 60 90 01 100 120 150 150
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone	Asymmetric 94 % 1 cd/lm 1 White ents:	61 60 60 90 01 100 120 150 150
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 1 cd/lm 1 White ents:	61 ⁴ 600 60 ⁴ 900 07 1000 60 ⁴ 1200 1500 1500
LEDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric	61 ⁴ 600 60 ⁴ 900 07 1000 60 ⁴ 1200 1500 1500
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHIM LED FWHM / FWTM Efficiency	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 %	61 60 60 90 01 100 120 150 150
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHIM LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm	61 60 60 90 01 100 120 150 150
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1 White	61 60 60 90 07 100 120 130 150 500
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1 White	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1 White	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1 White	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone NICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White ents: NF2W585AR Asymmetric 94 % 1 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSCONIQ S 3030 (QSLR31) Asymmetric 94 % 1.1 cd/lm 1 White nts:	92 ⁴ 92 ⁴ 92 ⁴ 92 ⁶ 92 ⁷ 92 ⁶ 92 ⁶ 9
		30* <u>15</u> ⁵ <u>00</u> <u>15</u> * 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 Asymmetric 94 % 1.3 cd/lm 1 White	2010 2010
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SEOUL DC 3030C Asymmetric 94 % 1.2 cd/lm 1 White nts:	



LED	XP-G2	Ĩ
FWHM / FWTM	Asymmetric	75* 75.
Efficiency	94 %	400
Peak intensity	1 cd/lm	60 ⁴ 800 60*
LEDs/each optic	1	80
Light colour	White	45* 1000
Required components:		1230
		1430
		1690
		1800
		30* 15 ⁵ 0 ⁶ 15 ⁶ 30*
		90 ⁺ 90 ⁺
LED	XP-G2 HE	
FWHM / FWTM	Asymmetric	75* 000 75*
Efficiency	92 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		1000
		X T X
		1220
		130° 133 ⁵ 0 ⁶ 15 ⁶ 30°
		90* 92*
LED	XP-G3	
FWHM / FWTM		
	Asymmetric	70 70
Efficiency	Asymmetric 84 %	
		50
Efficiency	84 %	6) ⁵ 60 ⁵ 700 700 700
Efficiency Peak intensity	84 % 0.5 cd/lm	67 <u>60</u> 67
Efficiency Peak intensity LEDs/each optic	84 % 0.5 cd/lm 1	67 <u>60</u> 67
Efficiency Peak intensity LEDs/each optic Light colour Required components:	84 % 0.5 cd/lm 1 White	67 <u>69</u> 67
Efficiency Peak intensity LEDs/each optic Light colour	84 % 0.5 cd/lm 1 White	40°
Efficiency Peak intensity LEDs/each optic Light colour Required components:	84 % 0.5 cd/lm 1 White	10° 10° 10° 10° 10° 10°
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	84 % 0.5 cd/lm 1 White	30* 30*
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	84 % 0.5 cd/lm 1 White	30* 30
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LEDs LEDs	84 % 0.5 cd/lm 1 White , glass XP-G3	30* 30
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric	10 ¹⁰ 10 ¹⁰ 10 ¹⁰ 10 ¹⁰
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM Efficiency	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 %	30* 30
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREECS LED FWHM / FWTM Efficiency Peak intensity	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm	20 ⁴ 12 ³ 0 ⁴ 13 ⁵ 20 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm 1	20 ⁴ 12 ³ 0 ⁴ 13 ⁵ 20 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm	20 ⁴ 12 ⁴ 0 ⁴ 13 ⁴ 2 ⁵
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm 1	20 ⁴ 12 ⁴ 0 ⁴ 13 ⁴ 2 ⁵
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm 1	20 ⁴ 12 ⁴ 0 ⁴ 13 ⁴ 2 ⁵
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	84 % 0.5 cd/lm 1 White , glass XP-G3 Asymmetric 94 % 0.7 cd/lm 1	10 ¹⁰ 10 ¹⁰ 10 ¹⁰ 10 ¹⁰



		90* 90*
	XP-G4	730 000 792
FWHM / FWTM	Asymmetric	
Efficiency	86 %	50* 400 50*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 000 53°
Required components:		\times $/$ \top $/$ \times
Protective plate		1000
i ioteotive plate	, yidəs	
		30* 17 ³ 0 ⁶ 17 ⁴ 30 ⁴
CREE ≑		THY YHT
LED LEDS	XP-G4	90* 99*
EED FWHM / FWTM	Asymmetric	736 700 735
Efficiency	95 %	400
Peak intensity	0.9 cd/lm	50 ⁴ 500 500
LEDs/each optic	1	$X \times / T \times X$
Light colour	White	
Required components:	Wille	65° 65°
Required components.		1200
		1430
		30* 1500 30* 15 ⁵ 0 [°] 15 [*] 30*
)S	N M
		8° 8°
LED	LUXEON CZ	100
LED FWHM / FWTM	LUXEON CZ Asymmetric	92° 92° 175° 800 75°
LED FWHM / FWTM Efficiency	LUXEON CZ Asymmetric 95 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CZ Asymmetric 95 % 1.1 cd/m	99° 99° 17° 60° 64° 66°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	92° 92° 13° 60° 72°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/m	99° 90° 17° 60° 60° 900 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	10° 0° 0° 10° 0° 10° 0° 10° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	97 75 66 67 129 67 129 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	92° 92° 173° 90° 92° 65° 90° 65° 65° 90° 65° 162° 162°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	92 ⁴ 12 ³ 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1	107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White	107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A	157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric	100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 %	100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: EXAMPLANCE EXAMPLANCE	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm	109 109 109 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ Asymmetric 95 % 1.1 cd/lm 1 White NVSW519A Asymmetric 88 % 0.6 cd/lm 1	20 ¹



Μ ΝΙCΗΙΛ		
LED	NVSW519A	*
FWHM / FWTM	Asymmetric	735 782
Efficiency	87 %	
Peak intensity	0.5 cd/lm	50° 50°
LEDs/each optic	1	460
Light colour	White	
Required components:	white	
required compendite.		
Protective plate	e, glass	000
		30* 1000 30* 13 ⁵ 0 ⁸ 15*
ΜΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	200
FWHM / FWTM	Asymmetric	730 730
Efficiency	94 %	400
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	1	X
Light colour	White	45* 45*
Required components:		
		1220
		1430
		1500
		13 ⁵ 0 ⁶ 15 [*]
OSRAM Opto Semiconductors		90° 90°
OSRAM Opto Semiconductors	OSCONIQ C 2424	10 ⁻
Opto Semiconductors	OSCONIQ C 2424 Asymmetric	120 100 20 100 100 100 100 100 100 100 100 100 10
opto Semiconductors LED FWHM / FWTM	OSCONIQ C 2424 Asymmetric 95 %	124
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric	00* 175 00 00 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 %	60 ⁴ 00 70 ⁴ 00 70 ⁴ 00 70 ⁴ 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1.1 cd/lm	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 1.1 cd/lm 1	6° 122 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1.1 cd/lm 1	6 ¹ 100 100 100 100 100 100 100 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1.1 cd/lm 1	109 109 109 109 109 109
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1.1 cd/lm 1	90* 90* 90 120 120 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 1.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 1.1 cd/lm 1	90° 90° 90° 90° 90° 90° 90° 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 1.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm	00 00 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm 1	00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm 1	00 00 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1.1 cd/lm 1 White OSCONIQ P 3030 Asymmetric 94 % 1 cd/lm 1	00 00 00 00 00 00 00 00 00 00 00 00 00



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OSRAM		THY	11
Opto Semiconductors	OSI ON Sauge CSSBM2/CSSBM2	90*	90*
	OSLON Square CSSRM2/CSSRM3 Asymmetric	750 200	7-78.
	94 %	400	\sim
	94 % 0.9 cd/lm	50*	60*
			\sim
	1	800	\checkmark
	White	45* 1000	45 ⁺
Required components:		1200	$ \land /$
			X.
		1490	X
		30° 15 ⁵ 0° 11	5° 30°
OSRAM		THAN	FT
Opto Semiconductors		90*	90*
	OSLON Square CSSRM2/CSSRM3	75°	
	Asymmetric		
,	87 %	160° 400	60%
	0.7 cd/lm	$\nabla \times / \nabla \times$	
	1		
	White		45*
Required components:			X
Protective plate,	glass	1000	
	gido		
		30° 1200 1200 110	30*
PHILIPS		THAY YA	TI
	Fortimo FastFlex LED 4x8up PR G5	90*	90*
LED			
		750 200	777
FWHM / FWTM	Asymmetric	25	
FWHM / FWTM Efficiency	Asymmetric 88 %	50 50 50 50 50 50 50 50 50 50 50 50 50 5	604
FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 1 cd/lm		694
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 1	65 00	604
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm	6°	60*
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 1	65 00	ar ar
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 1 cd/lm 1 White	6°	67
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 1 White	51 [°] 000 900 900 1220	-77
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 1 cd/lm 1 White	51 [°] 000 900 900 1220	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate,	Asymmetric 88 % 1 cd/lm 1 White	57 - 09 - 99 - 159 - 159 - 159 - 159 - 159 - 159 - 159 - 159	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate,	Asymmetric 88 % 1 cd/lm 1 White glass G	57 - 09 - 99 - 159 - 159 - 159 - 159 - 159 - 159 - 159 - 159	305
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, SAMSUN LED	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A	57 - 09 - 99 - 159 - 159 - 159 - 159 - 159 - 159 - 159 - 159	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, SAMSUN LED FWHM / FWTM	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric	57 - 09 - 99 - 109 - 129 - 100 - 100 - 100 - 100	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 %	60°	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 % 0.9 cd/lm	61 ⁵ 00 00 00 00 120 120 150 150 150 150 150 150 150 15	305
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 1 White glass C LH181A Asymmetric 94 % 0.9 cd/lm 1	60° 000 000 000 000 000 000 000 00	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 % 0.9 cd/lm	61 ⁵ 00 00 00 00 120 120 150 150 150 150 150 150 150 15	300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 % 0.9 cd/lm 1		300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 % 0.9 cd/lm 1		300
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 1 White glass G LH181A Asymmetric 94 % 0.9 cd/lm 1	61° 000 90 90 90 90 90 90 90 90 90	300



SAMSU	NG	
LED	LH181B	
FWHM / FWTM	Asymmetric	72
Efficiency	94 %	40
Peak intensity	1 cd/lm	50' 00 60'
LEDs/each optic	1	
Light colour	White	45' 2000 65'
Required components	6:	120
		100
		304 <u>1000</u> 30 ⁴ 30 ⁵
SAMSU	NG	
LED	LH351B	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60° (60°
LEDs/each optic	1	60
Light colour	White	a, <u>a</u> , <u>a</u> , <u>a</u> ,
Required components	6:	
		1200
		2000
		20 00 12° 20°
SEOUL SEMICONDUCTOR		9/* SU
LED	Z5M1/Z5M2	
FWHM / FWTM	Asymmetric	72 72
Efficiency	94 %	
Peak intensity	1 cd/lm	àp ^a
LEDs/each optic	1	
Light colour	White	6° 6°
Required components	3:	1200
		\times
		269
		304 330
		30° 15' 0° 15' 00'



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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