

STRADELLA-8-HV-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting. Variant with improved creepage distance for high voltage circuit designs.

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	4.9 mm
Fastening	screw
ROHS compliant	yes 🛈



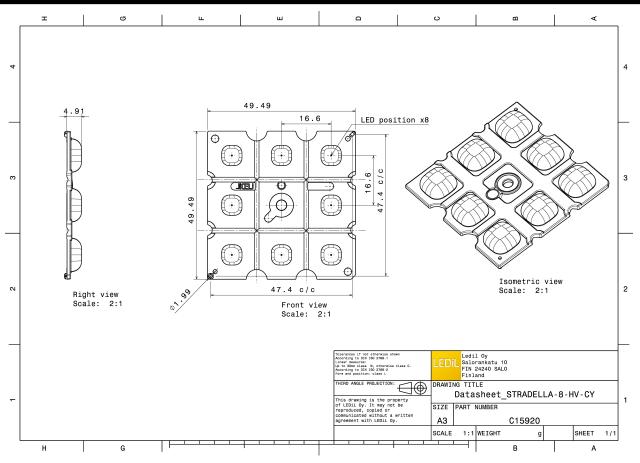
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15920_STRADELLA-8-HV-CY	800	160	160	4.8
» Box size: 480 x 280 x 300 mm				





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



		90*	90*
LED J Series 3030			
FWHM / FWTM 121.0° / 136.0		75	77.
Efficiency 98 %		100	
Peak intensity 0.4 cd/lm		50×	
LEDs/each optic 1		200	×)) /
Light colour White		45*	
Required components:			
		300	
		\times	
		400	
		 /30° 13° 0°	15°
		90*	90*
LED XD16			
FWHM / FWTM 129.0° / 142.0		750	780
Efficiency 94 %		500	
Peak intensity 0.4 cd/lm			ьоч
LEDs/each optic 1		200	
Light colour White		45*	65+
Required components:		\times	
		300	
		\times	
		30* 400	30*
CREE - LED			
		90*	90*
LED XT-E	/ 146.0°	90 ⁺	90*
LED XT-E FWHM / FWTM 125.0 + 126.00	/ 146.0°	20	20.
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 %	/ 146.0°	.00 .75 .60 ⁴	90°
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm	/ 146.0°	30 ⁴ 73 ⁵ 60 ⁴	75
LEDXT-EFWHM / FWTM125.0 + 126.0°Efficiency94 %Peak intensity0.3 cd/lmLEDs/each optic1	/ 146.0°	30 ² 37 ³ 50 ⁴ 50 ⁴ 50 ⁴	97 107 107
LEDXT-EFWHM / FWTM125.0 + 126.0°Efficiency94 %Peak intensity0.3 cd/lmLEDs/each optic1	/ 146.0°	30 ² 25 ³ 40 ³ 50 ³ 50 ³	64
LEDXT-EFWHM / FWTM125.0 + 126.0°Efficiency94 %Peak intensity0.3 cd/lmLEDs/each optic1Light colourWhite	/ 146.0°	30° 73° 64° 69° 700	64 64
LEDXT-EFWHM / FWTM125.0 + 126.0°Efficiency94 %Peak intensity0.3 cd/lmLEDs/each optic1Light colourWhite	/ 146.0°	30° 73° 60° 60° 60° 700 300	97 97 97 97
LEDXT-EFWHM / FWTM125.0 + 126.0°Efficiency94 %Peak intensity0.3 cd/lmLEDs/each optic1Light colourWhite	/ 146.0°	32° 	
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:	/ 146.0°		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:			59 75 69 69 69 69 69
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:	2D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:	2D (Round LES)		50 60 60 60 60 60 60 60 60 60 60 60 60 60
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:	2D (Round LES)		20 20 20 20 20 20 20 20 20 20
LED XT-E FWHM / FWTM 125.0 + 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: ED LUMILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm	2D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1	2D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White	2D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1	22D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White	22D (Round LES)		
LED XT-E FWHM / FWTM 125.0 + 126.0 Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: EVINILEDS LED LUXEON 3030 FWHM / FWTM 120.0° / 135.0 Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White	22D (Round LES)		99 64 64 64 64 64 64 64 64 64 64 64 64 64



UMIL	EDS	8*
LED	LUXEON V2	
FWHM / FWTM	124.0° / 140.0°	730
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	457
Required compone	nts:	
		300
		\times / \setminus \setminus
		30* <u>10</u> <u>10</u> *
	INUS	
LED	SST-10-B130	
FWHM / FWTM	126.0° / 144.0°	257
Efficiency	97 %	
Peak intensity	0.4 cd/lm	ear and a second se
LEDs/each optic	1	
Light colour	Deep Red	45*
Required compone		
- 1 1		300
		\times
		400
		(30* 13 ² 0° 15*
		90*
LED	NF2W585AR	
FWHM / FWTM	130.0° / 143.0°	750
	94 %	
Efficiency	94 % 0.4 cd/lm	
Efficiency Peak intensity		50°
Efficiency Peak intensity LEDs/each optic	0.4 cd/lm	57
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White	6°
Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	5°
Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	5°
Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White	54
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints:	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints:	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White Ints:	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White Ints: NVSW219D 116.0° / 140.0 + 139.0°	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 %	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm 1	200 201 201 201 201 201 201 201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm 1 White	201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm 1 White	200 201 201 201 201 201 201 201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm 1 White	200 201 201 201 201 201 201 201
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.4 cd/lm 1 White ints: NVSW219D 116.0° / 140.0 + 139.0° 94 % 0.4 cd/lm 1 White	200 201 201 201 201 201 201 201



ØNICHI		90* 99*
LED	NVSW319B	
FWHM / FWTM	122.0° / 136.0°	207
Efficiency	94 %	- 100
Peak intensity	0.4 cd/lm	60° () 60°
LEDs/each optic	1	
Light colour	White	45°
Required compone	nts:	
		30
		\times / \times
		30* 400 30*
OCDAM		123 ³ 0 ⁶ 10 ⁶
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ S 3030	
FWHM / FWTM	121.0° / 136.0°	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	200
Light colour	White	45°
Required compone	nts:	
		30* 30*
		50* 50*
LED	Fortimo FastFlex LED 4x8up PR G5	9°
LED FWHM / FWTM	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0°	91 [*] 92 [*] 72 [*] 20
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 %	94° 99 21° 100 81° 69
FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm	94* 957 73* 100 64* 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/Im 1	90° 92' 78° 530 - 61° 69'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	94°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	54° 500 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	54° 500 54° 500 54° 500 54° 500 540 540 540 540 540 540 540
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	20° 20° 40° 20° 40° 20° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 %	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm 1	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semecohoucron LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 120.0° / 134.0° 94 % 0.4 cd/lm 1 White nts: SEOUL DC 3030C Asymmetric 94 % 0.4 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500



SEOUL SEMICONDUCTOR		<u>87</u>	90*
LED	Z5M3		
FWHM / FWTM	124.0° / 144.0°	730	75*
Efficiency	94 %		4
Peak intensity	0.4 cd/lm		60*
LEDs/each optic	1		
Light colour	White		45*
Required compone	ents:		
		30	5
			\sum
		30*	30*
		10) 400 13*	
SEOUL		90*	90*
	Z5M4	55*	90*
SEOUL SEMICONDUCTOR	Z5M4 117.0° / 127.0°	99* 78*	90*
seoul semiconductor		724	75°
seoul semiconductor LED FWHM / FWTM	117.0° / 127.0°		
seoul semiconductor LED FWHM / FWTM Efficiency	117.0° / 127.0° 98 %	724	75°
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity	117.0° / 127.0° 98 % 0.4 cd/lm	724	78°
stoul staticonductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 127.0° 98 % 0.4 cd/lm 1 White	73 550	60%
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 127.0° 98 % 0.4 cd/lm 1 White	73 550	60%
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 127.0° 98 % 0.4 cd/lm 1 White	73 550	601
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 127.0° 98 % 0.4 cd/lm 1 White	73 550	60*



PHOTOMETRIC DATA (SIMULATED):

UMILEC	S	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 114.0° / 136.0° 96 % 0.3 cd/lm 1 White	20 - 20
A	-	
		90* 90
LED	LUXEON CZ	
FWHM / FWTM	123.0° / 140.0°	
Efficiency	96 %	60 ⁴ 6
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		400
		30° 15° 0° 15° 30
LED	NVSW519A	29 ²
FWHM / FWTM	122.0° / 136.0°	75%
Efficiency	89 %	100
Peak intensity	0.3 cd/lm	eor 6
LEDs/each optic	1	
Light colour	White	45*200
Required components:		
Protective plate	, glass	300
MICHIΛ		
	NI/SW/510A	
1 - 1 - 1	NVSW519A	73
FWHM / FWTM	123.0° / 136.0°	100
FWHM / FWTM Efficiency	92 %	. 45-
FWHM / FWTM Efficiency Peak intensity	92 % 0.3 cd/lm	60 ⁴
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	92 % 0.3 cd/lm 1	ar20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.3 cd/lm	ar 6°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	92 % 0.3 cd/lm 1	84 67 75
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.3 cd/lm 1	6 ¹ 20 5 ¹ 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92 % 0.3 cd/lm 1	e ¹



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ		00* 00*
LED	NVSxE21A	
FWHM / FWTM	120.0° / 133.0°	750 782
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	
Required components:		30
		400
		15 ⁵ 0 ⁶ 15 ⁴ 30 ⁶
OSRAM Opto Semiconductors		99* 99*
LED	OSCONIQ C 2424	
FWHM / FWTM	120.0° / 136.0°	750 780
Efficiency	96 %	100
Peak intensity	0.4 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	-65° - 65°
Required components:		300
		\times / \setminus \times
		400
		$ \leq $
		20 10 10 10 10 10 10 10 10 10 10 10 10 10
OSRAM Opto Semiconductors		90° 90° 90°
OSRAM Opto Semiconductors	SFH 4715AS	
OSRAM Opto Semiconductors LED FWHM / FWTM	SFH 4715AS 93.0° / 124.0°	90° 73° 73° 100 73°
LED		
LED FWHM / FWTM	93.0° / 124.0°	
LED FWHM / FWTM Efficiency	93.0° / 124.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity	93.0° / 124.0° 96 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93.0° / 124.0° 96 % 0.5 cd/lm 1	200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR	22 ¹ 30 ⁰ 12 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IR LH181A 130.0° / 138.0°	22 ¹ 30 ⁰ 12 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IB LH181A 130.0° / 138.0° 94 % 0.4 cd/lm 1	22 ¹ 30 ⁰ 12 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IR LH181A 130.0° / 138.0° 94 % 0.4 cd/lm	22 ¹ 30 ⁰ 12 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IB LH181A 130.0° / 138.0° 94 % 0.4 cd/lm 1	25 ¹ 38 ⁰ 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IB LH181A 130.0° / 138.0° 94 % 0.4 cd/lm 1	25 ¹ 38 ⁰ 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IB LH181A 130.0° / 138.0° 94 % 0.4 cd/lm 1	25 ¹ 38 ⁰ 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93.0° / 124.0° 96 % 0.5 cd/lm 1 IR IB LH181A 130.0° / 138.0° 94 % 0.4 cd/lm 1	200



PHOTOMETRIC DATA (SIMULATED):

SAMSUN	IG	90°
LED	LH181B	
FWHM / FWTM	128.0° / 132.0°	75
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	20
Light colour	White	45*
Required components:		
		400
		500
SAMSUN	IG	
		904 90
	LH351C	750 780
FWHM / FWTM Efficiency	118.0° / 130.0° 85 %	1 100
Peak intensity	0.3 cd/lm	50* 60'
LEDs/each optic	1	
Light colour	White	45 ⁴
Required components:	white	
rtequired compendite.		
Protective plate	e, glass	300
SAMSUN		13 ³ 6 ⁴ 15 ⁴
		90* 90*
LED	LH351D	
FWHM / FWTM	120.0° / 134.0°	
Efficiency	91 %	50° 60'
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	s;
Required components:		
		30* 15 ⁵ 0* 15* 30'
SEOUL		
SEOUL SEMICONDUCTOR		90* 90
SEOUL SEMICONDUCTOR	SEOUL DC 5050 6V	20 ⁴
seoul semiconductor LED FWHM / FWTM	113.0° / 136.0°	100 200 200
seoul semiconductor LED FWHM / FWTM Efficiency	113.0° / 136.0° 94 %	94° 92 73° 73 60° 60
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	113.0° / 136.0° 94 % 0.3 cd/lm	8°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	113.0° / 136.0° 94 % 0.3 cd/lm 1	23 24 25 26 26 26 26 26 26 26 26 26 26
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	113.0° / 136.0° 94 % 0.3 cd/lm	50 50 50 50 50 50 50 50 50 50 50 50 50 5
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	113.0° / 136.0° 94 % 0.3 cd/lm 1	8° - 99 7° - 200 6° - 200 6° - 60
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	113.0° / 136.0° 94 % 0.3 cd/lm 1	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	113.0° / 136.0° 94 % 0.3 cd/lm 1	



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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