

STRADELLA-16-HB-W

~90° wide beam for industrial applications

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	7.1 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

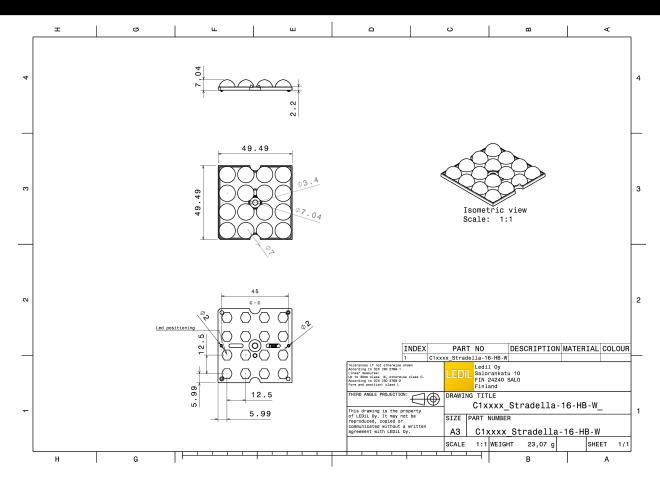
Component STRADELLA-16-HB-W **Type** Multi-lens

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component C15432_STRADELLA-16-HB-W » Box size: 480 x 280 x 300 mm

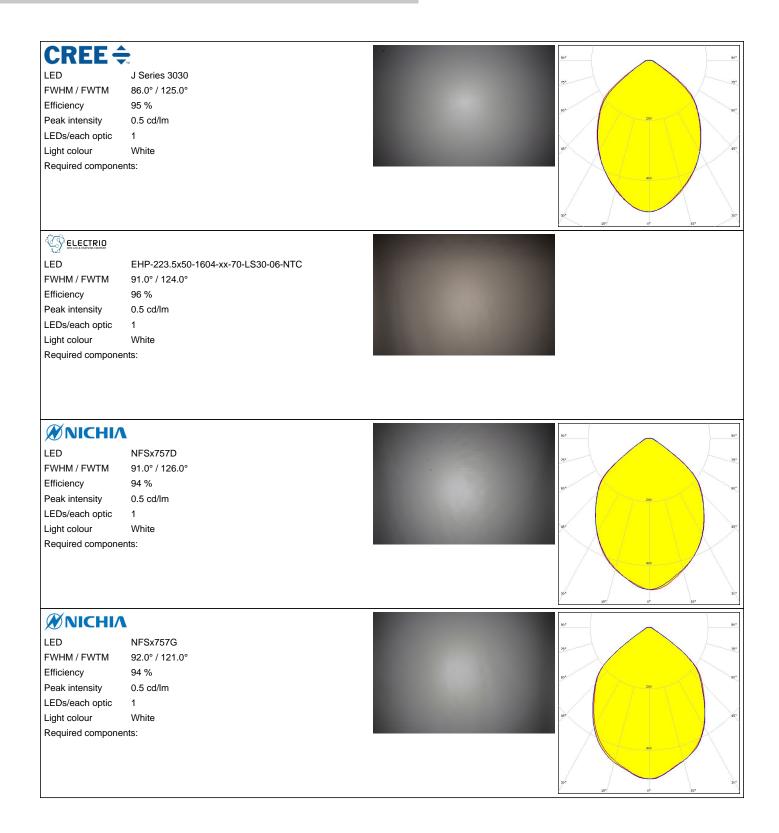
Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	6.6



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







~				1
			50*	90*
	NVSW219D		75*	75"
FWHM / FWTM	87.0° / 125.0°			
Efficiency	94 %		60°	60°
Peak intensity	0.5 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required compone				$\sim h$
			36* 152 08	15°
ØNICHI/	١		50,	90*
LED	NVSW319B			
FWHM / FWTM	96.0° / 131.0°		75*	
Efficiency	94 %			
Peak intensity	0.4 cd/lm			
LEDs/each optic	1			
Light colour	White		5. C	45*
Required compone	ents:			
			400	
			36*	15° 30*
OSRAN	1	1000	90*	90*
OSRAN			8°	90*
LED	PrevaLED Brick MP 4x16 88.0° / 122.0°		94° 72°	90*
LED FWHM / FWTM	PrevaLED Brick MP 4x16		84	95 ⁺
LED	PrevaLED Brick MP 4x16 88.0° / 122.0°		94° 77 96° 200	90°
LED FWHM / FWTM Efficiency	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 %		91 ³ 72 01 20	90°
LED FWHM / FWTM Efficiency Peak intensity	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm		94° 77° 64° 69°	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White		54° 72° 64° 67°	6. 6. 8.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White		9°	8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White		91 72 01 01 01 01 01 01 01 01	95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White		9° 0° 0° 0° 0°	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White			25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents:			20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents:			90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0°			910 910 910 910 910 910 910 910 910 910
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 %			80°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optio Semiconductors LED FWHM / FWTM Efficiency Peak intensity	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0°			90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Ostrometry LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 % 0.5 cd/lm 1			94 94 95 95 95 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optio Semiconductors LED FWHM / FWTM Efficiency Peak intensity	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 % 0.5 cd/lm 1 Purple			51- 52- 52- 52- 52- 52- 52- 52- 52- 52- 52
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 % 0.5 cd/lm 1 Purple			80 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 % 0.5 cd/lm 1 Purple			94 94 94 94 94 94 94 94 94 94 94 94 94 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	PrevaLED Brick MP 4x16 88.0° / 122.0° 94 % 0.5 cd/lm 1 White ents: Duris S5 (2 chip) 87.0° / 125.0° 94 % 0.5 cd/lm 1 Purple			10 10 10 10 10 10 10 10 10 10 10 10 10 1



OSRAM opto Semiconductors LED FWHM / FWTM	Duris S5 (Single chip)		90* 90*
FWHM / FWTM	Duris S5 (Single chip)		
	88.0° / 125.0°		
Efficiency	93 %		60° 60°
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		43 ⁴
Required componen	ts:		
			30* 30*
OSRAM			906 00 130. 406
Opto Semiconductors	00000110 0 2020		
	OSCONIQ S 3030 84.0° / 124.0°		73* 25*
FWHM / FWTM Efficiency	94 %		
Peak intensity	0.5 cd/lm		60° 60°
LEDs/each optic	1		$k \neq \{1, \dots, N\} \setminus \{1, \dots, N\}$
Light colour	White		45*
Required componen			
required component			
			36° 25° 0° 35°
PHILIP	S		90° 90°
LED	Fortimo FastFlex LED 4x16 DHE G4		
FWHM / FWTM	87.0° / 122.0°		73.
Efficiency	94 %		20°
Peak intensity	0.5 cd/lm	and the second	
LEDs/each optic	1	And the second second	$k \ge 1/$ (-1) (-1) (-1)
Light colour	White		gr
Required componen	ts:		
			40
			36*
слиси			
			75*
	94 %		60* 60*
Peak intensity	0.5 cd/lm 1		
LEDs/each optic Light colour	White		
Required componen			
required componen	lə.		
			36°
SAMSU LED FWHM / FWTM	HiLOM RM64 (LM301B) 88.0° / 123.0°		25- 26- 26- 27- 26- 27- 26- 27- 26- 27- 26- 26- 26- 26- 26- 26- 26- 26- 26- 26



SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM231 A/B 88.0° / 126.0° 94 % 0.5 cd/lm 1 White	
SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S44XTEHE (XT-E HE) 88.0° / 133.0° 94 % 0.5 cd/lm 1 White	
SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S48XPG3 (XP-G3) 100.0° / 134.0° 94 % 0.4 cd/lm 1 White	
SEQUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SEOUL 3030 87.0° / 125.0° 93 % 0.5 cd/lm 1 White nts:	



SEOUL SEMICONDUCTOR		94°
LED	SEOUL DC 3030	
FWHM / FWTM	90.0° / 129.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		au au
SEOUL		
	7510	
	Z5M3	72 72
FWHM / FWTM	93.0° / 132.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30° 0° 55°
TRIDON	IIC	90 ¹⁴ 90 ¹⁵
LED	RLE 4x16 4000lm MP ADV2 OTD	
FWHM / FWTM	88.0° / 123.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		34
		127 of 131
TRIDO		
LED	RLE 4x8 2000lm MP ADV2 OTD	
FWHM / FWTM	88.0° / 123.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	



CREE ≑		90* 90*
LED	J Series 5050 Round LES	
FWHM / FWTM	85.0° / 121.0°	21. 21.
Efficiency	96 %	
Peak intensity	0.6 cd/lm	60° - 200 - 60°
LEDs/each optic	1	
Light colour	White	aze aze
Required components:		
		31
		15° 000 15°
CREE ≑		90*
LED	XP-G2 HE	
FWHM / FWTM	91.0° / 128.0°	73'
Efficiency	94 %	
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	er la er
Required components:		
		400
		30° 30°
		15° 0° 35°
MUMILED)S	90° 90°
LED	LUXEON 5050 Square LES	
FWHM / FWTM	83.0° / 121.0°	
Efficiency	96 %	60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	97°
Required components:		4004
		30° 30° 30°
Μ ΝΙCΗΙΛ		
	NV/DW540A	
	NVSW519A	75*
FWHM / FWTM	99.0 + 98.0° / 126.0°	100-
Efficiency Peak intensity	93 %	60*
POSK INTONCITY		
	0.4 cd/lm	200
LEDs/each optic	1	- 20-
LEDs/each optic Light colour		gri
LEDs/each optic	1	9 ⁷ 9 ⁶ 9 ⁷
LEDs/each optic Light colour	1	o ^r
LEDs/each optic Light colour	1	5 [°]
LEDs/each optic Light colour	1	200 200 300 300 300 300 300 300 300 300



OSRAM Opto Semiconductors		50°
LED	Duris E5	
FWHM / FWTM	87.0° / 123.0°	25*
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60 200 80 ⁻
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		400
		30-
		15° 0° 35°
OSRAM Opto Semiconductors		90°
LED	OSCONIQ C 2424	
FWHM / FWTM	94.0° / 122.0°	75* 75*
Efficiency	96 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	97 - B
Required components:		
		400
		30° 30°
		159 400 15"
OSRAM Opto Semiconductors		90°
OSRAM Opto Semiconductors	OSCONIQ P 3030	97
Opto Semiconductors	OSCONIQ P 3030 79.0° / 128.0°	51 ⁴ 51 ⁴
Opto Semiconductors		57 75 10 10 10 10 10 10 10 10 10 10 10 10 10
Opto Semiconductors LED FWHM / FWTM	79.0° / 128.0°	97 997 75 997 667 200 667
Opto Semiconductors LED FWHM / FWTM Efficiency	79.0° / 128.0° 97 %	97 97 25 26 96 200 66
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	79.0° / 128.0° 97 % 0.6 cd/lm	59° 59° 737 59° 69° 280 66° 67°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	79.0° / 128.0° 97 % 0.6 cd/lm 1	59° 59° 79° 79° 91° 200 69° 91° 200 69°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	79.0° / 128.0° 97 % 0.6 cd/lm 1	59° 59° 75° 22° 64° 200 66° 67° 67°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	79.0° / 128.0° 97 % 0.6 cd/lm 1	597 595 604 208 604 600 600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	79.0° / 128.0° 97 % 0.6 cd/lm 1	40
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1	- 40
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	79.0° / 128.0° 97 % 0.6 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 97.0° / 124.0° 94 % 0.4 cd/lm 1	



Γ		
OSRAM Opto Semiconductors		90* 90*
Opto Semiconductors	SFH 4715AS	
FWHM / FWTM	66.0° / 106.0°	25*
Efficiency	96 %	
Peak intensity	0.8 cd/lm	60*
LEDs/each optic	1	
Light colour	' IR	454 450
Required components:		
		and the second s
		30° 800 30' 30' 30'
SAMSUN	IG	90* 90*
LED	LH231B	
FWHM / FWTM	92.0° / 118.0°	25* 25*
Efficiency	87 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr (
Required components:		
Protective plate	e, glass	
		30° 35° 35°
SAMSUN	IG	90* 90*
	LH231B	90°
		22. 26. 26.
LED FWHM / FWTM	LH231B	954 954 954 954 954
LED	LH231B 92.0° / 118.0°	6)* 500 501 501 501 501 501 501 501
LED FWHM / FWTM Efficiency	LH231B 92.0° / 118.0° 95 %	99* 99* 75 69* 200
LED FWHM / FWTM Efficiency Peak intensity	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm	99* 99* 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1	99 ⁴ 75 66 ⁴ 230 47
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1	99 ⁴ 72 99 99 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 99 ⁴ 200 97 200 87 200 87 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White	99 ⁴ 97 99 99 99 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White	39* 30* 39* 30* 39* 30* 39* 30* 39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0°	39* 90* 39* 30* 39* 30* 39* 30* 39* 30* 39* 30* 39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 %	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm	93 ⁴ 93 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm 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	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm	20 20 21 20 22 20 23 20 24 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 9
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	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm 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	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm 1	99 ⁴ 99 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	LH231B 92.0° / 118.0° 95 % 0.5 cd/lm 1 White LH351C 97.0° / 124.0° 94 % 0.5 cd/lm 1	



SAMSUN	IG	90*
LED	LM301B	
FWHM / FWTM	90.0° / 125.0°	
Efficiency	94 %	60° 60°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	43* A
Required components:		
		460
		30° 30° 0° 30°
SAMSUN	IG	
LED	LM301B	»·
FWHM / FWTM	113.0° / 133.0°	75° 75°
Efficiency	96 %	100-27
Peak intensity	0.4 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	45'
Required components:		
Protective plat		
	, giass	
		30* 400 30* 30*
SAMSUN	IG	90*
LED	LM302D	
FWHM / FWTM	90.0° / 124.0°	
Efficiency	96 %	60° 60°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴
		20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴
SEOUL SEMICONDUCTOR		20 ⁴ 20 ⁷ 20 ⁴ 20 ⁴
SEOUL SEMICONDUCTOR	SEOUL DC 3030C	20 ¹ 20 ¹ 20 ¹ 20 ² 20 ²
seoul semiconductor LED FWHM / FWTM	91.0° / 124.0°	20 ¹ 20 ¹ 0 ² 20 ² 20 ²
seoul semiconductor LED FWHM / FWTM Efficiency	91.0° / 124.0° 96 %	80
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	91.0° / 124.0° 96 % 0.5 cd/lm	20 ³
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	91.0° / 124.0° 96 % 0.5 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91.0° / 124.0° 96 % 0.5 cd/lm	20 ¹ 20 ² 0 ² 20 ² 0 ²
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	91.0° / 124.0° 96 % 0.5 cd/lm 1	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
seoul semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91.0° / 124.0° 96 % 0.5 cd/lm 1	gr gr 200 200 200 200 200 200 200 20
seou semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91.0° / 124.0° 96 % 0.5 cd/lm 1	20 ⁴



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 5050 6V 84.0° / 122.0° 94 % 0.6 cd/lm 1 White	21 [°] 66° 72° 61° 65° 20° 65° 20° 65°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22T 94.0° / 124.0° 94 % 0.5 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200



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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