

STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.

TECHNICAL SPECIFICATIONS:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



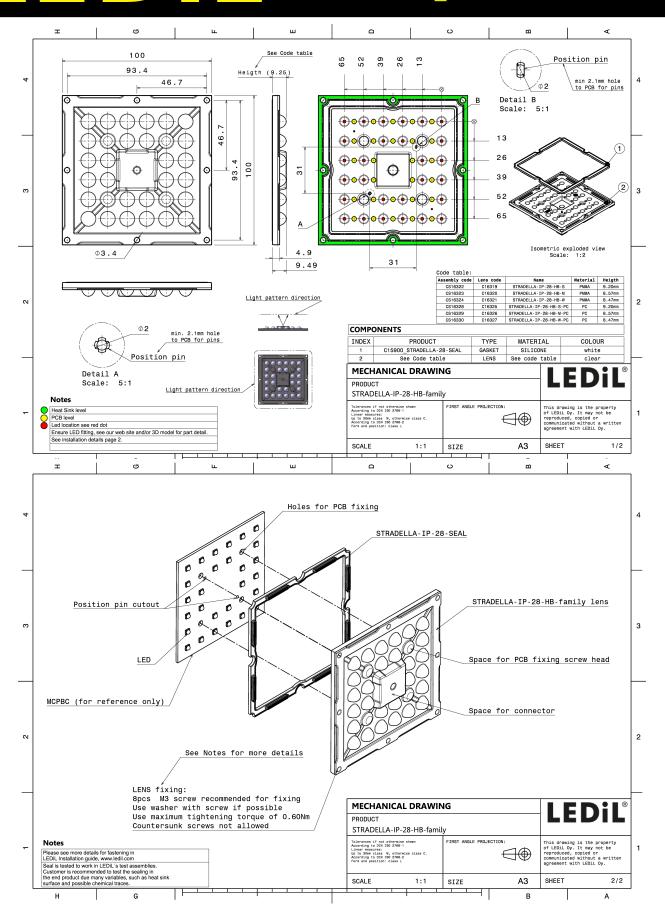
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADELLA-IP-28-HB-S	Multi-lens	PMMA	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16322_STRADELLA-IP-28-HB-S	Multi-lens	156	78	78	5.9
» Box size: 476 x 273 x 247 mm					

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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JE2835 4x7 xxx 24.0° / 75.0° 91 % 1.9 cd/lm 1 White nts:	2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹	97 400 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JК3030 4x7 xxx 22.0° / 69.0° 90 % 2.1 cd/lm 1 White nts:	26 BA	90 90 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XD2x14 xxx G8 26.0° / 88.0° 91 % 1.6 cd/lm 1 White nts:	84 64 10 10 10 10 10 10 10 10 10 10 10 10 10	80 220 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XP2x14 xxx G7 33.0° / 99.0° 92 % 1.3 cd/lm 1 White nts:		6 ⁴ 32 ⁴



QUICK FLUX STR28 XT2x14 xxx G5 32.0° / 95.0° 93 % 1.4 cd/lm 1 White Ints:	
J Series 2835 24.0° / 75.0° 91 % 1.9 cd/lm 1 White	
	99 [°] 99 [°]
J Series 3030 22.0° / 69.0° 90 % 2.1 cd/lm 1 White	
	50°
	90 ⁴
	32.0° / 95.0° 93 % 1.4 cd/lm 1 White ents:



			90*	90*
LED	XD16			
FWHM / FWTM	26.0° / 88.0°		75	75*
Efficiency	91 %		400	\mathcal{A}
Peak intensity	1.6 cd/lm		60°	60.
LEDs/each optic	1			$\langle \rangle$
Light colour	White		97	45*
Required compone				\times
			1230	$\langle \rangle$
				\sim
				30*
			15° 0° 15°	
			90°	90*
LED	XP-G3		75'	75*
FWHM / FWTM	33.0° / 99.0°			1
Efficiency	92 %		60°	60.0
Peak intensity	1.3 cd/lm		[] / / / /] /]	\sim 1
LEDs/each optic	1			\frown
Light colour	White		95 × 00	45°
Required compone	nts:			$\langle \rangle$
				X
			1270	\sim
			30° 0° 15°	36.
			30°	90°
			39°	90°
CREE CLED	XT-E 32.0° / 95.0°		84	90° 25°
LED	XT-E		90* 730 60*	90*
LED FWHM / FWTM	XT-E 32.0° / 95.0°		50* 60*	94*
LED FWHM / FWTM Efficiency	XT-E 32.0° / 95.0° 93 %		99* 75 69*	99*
LED FWHM / FWTM Efficiency Peak intensity	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm		9)* 73 60* 0*	99+
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White		97 77 60 e.	99* 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White		o. 00	99* 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White		9/1 75 9/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White		o. 00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts:		o. 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts:		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts:		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0°		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 %		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm 1		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm 1 White		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm 1 White		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm 1 White		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 32.0° / 95.0° 93 % 1.4 cd/lm 1 White nts: NF2W585AR 31.0° / 96.0° 91 % 1.4 cd/lm 1 White		9° 0° 120 120 0° 120 120 120 120 120 120 120 120	



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2W585AR 31.0° / 97.0° 91 % 1.3 cd/lm 1 White	
ØNICHI∕		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 34.0° / 90.0° 94 % 1.4 cd/lm 1 White	
ØNICHI/		50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 39.0° / 97.0° 94 % 1.2 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSCONIQ S 3030 28.0° / 81.0° 93 % 1.7 cd/lm 1 White Ints:	



OSDAM		
Operations Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square CSSRM2/CSSRM3 28.0° / 80.0° 93 % 1.7 cd/lm 1 White nts:	
SAMSI	JNG	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC28 (LH181B) 23.0° / 74.0° 89 % 1.9 cd/lm 1 White	9 ¹ 9 ¹ 9 ¹ 200 200 200 200 200
SAMSI	JNG	30 ² 30 ³ 30 ³ 30 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SM28 (LM301B) 25.0° / 78.0° 91 % 1.8 cd/lm 1 White	
Required compone	ns.	300 300 300 300 300 300 300 300 300 300
scour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 34.0° / 94.0° 93 % 1.3 cd/lm 1 White nts:	
		22.00 20 ¹ 20 ¹



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 37.0° / 90.0° 92 % 1.3 cd/lm 1 White	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:	XP-L HI 30.0° / 82.0° 90 % 1.7 cd/lm 1 White	37 40 37 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90
	5	
EUMILEE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 27.0° / 74.0° 92 % 2 cd/lm 1 White	224 ⁶⁰ 124 <u>26</u> 20 20 20 20 20 20 20 20 20 20
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 28.0° / 76.0° 93 % 2 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



ED FWHM / FWTM Efficiency	NVSxE21A 25.0° / 73.0° 92 %	27 27 29
Peak intensity	2.1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gg#
Required components:		2009 2009 2009 2009 2009 2009
Μ ΝΙCΗΙΛ		90° 90°
LED	NVSxx19B/NVSxx19C	75 75
FWHM / FWTM	34.0° / 86.0°	400
Efficiency	93 %	60°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	43. 42.
Required components:		
		39 ⁴ 1650 36 ⁴
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ C 2424	
FWHM / FWTM	25.0° / 73.0°	73.
Efficiency	93 %	60° 60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	27 ⁴ 27 ⁴
Required components:		200 200 200 200
OSRAM Opto Semiconductors		90+ 90*
LED	OSCONIQ P 3030	
FWHM / FWTM	22.0° / 60.0°	8. 2.
Efficiency	94 %	60° 60°
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour Required components:	White	o
		300 200



r		
OSRAM		90° 90°
Opto Semiconductors		
LED FWHM / FWTM	OSCONIQ P 3737 (2W version) 27.0° / 69.0°	75°
Efficiency	93 %	
Peak intensity	93 % 2.2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	u White	45"
Required components:	White	
Required components.		1600
		36° 35° 36° 36°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON SSL 80	
FWHM / FWTM	23.0° / 51.0°	78'
Efficiency	93 %	
Peak intensity	3.1 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	White	\$3 ¹
Required components:		\times
		200
		30° 2200 36°
		12° 0° 15°
СЛЛЛСИЛ		
1001 01 01 01 01 01 01 01 01 01 01 01 01	lū	90* 90*
		50°
LED	LH351B	32. 34. 36.
LED FWHM / FWTM	LH351B 33.0° / 82.0°	
LED FWHM / FWTM Efficiency	LH351B	
LED FWHM / FWTM	LH351B 33.0° / 82.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1	277 604 777 604 604 604
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1	22. 00 52. 400 52. 52.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1	22. 00 52. 400 52. 52.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1	22. 00 01 02 00 00 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	22. 00 01 02 00 00 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	22. 00 52. 400 52. 52.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	Bax Bax Bax
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	22, 0, 12, 0, 12, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	Ba. Ba. Ba.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 %	
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	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 % 1.6 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	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 % 1.6 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	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 % 1.6 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	LH351B 33.0° / 82.0° 94 % 1.8 cd/lm 1 White LH351C 37.0° / 87.0° 94 % 1.6 cd/lm 1	



	LH351D	20 ⁴
FWHM / FWTM	44.0° / 92.0°	75
Efficiency	91 %	60° 400 60°
Peak intensity	1.2 cd/lm	\land / / \land \land /
LEDs/each optic	1	\times / / \times X
Light colour	White	gy* gy*
Required components:		
		30° 1220 31°
SAMSUN	IG	90° 90°
LED	LM301B	
FWHM / FWTM	29.0° / 78.0°	78* 72*
Efficiency	93 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	67 ⁴ 1220
Required components:		
		100
		30° 15° 34° 34°
SEOUL		
		90° 90°
SEOUL SEMICONDUCTOR	SEQUE 3030	80°
seoul semiconductor LED	SEOUL 3030 28.0° / 78.0°	9% 9% 9% 200
seoul semiconductor LED FWHM / FWTM	SEOUL 3030 28.0° / 78.0° 93 %	33
seoul semiconductor LED FWHM / FWTM Efficiency	28.0° / 78.0°	33
seoul semiconductor LED FWHM / FWTM	28.0° / 78.0° 93 %	33
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	28.0° / 78.0° 93 % 1.9 cd/lm	75
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 93 % 1.9 cd/lm 1	33
SEDUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1	25 00 00 120 120 00 00 00 00 00 00 00 00 00 00 00 00 0
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1	75
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1	25 00 00 120 120 00 00 00 00 00 00 00 00 00 00 00 00 0
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1	20 20 20 20 20 20 20 20 20 20
SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SECOUL SEMICONDUCTOR	28.0° / 78.0° 93 % 1.9 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C	20 20 20 20 20 20 20 20 20 20
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0°	20 20 20 20 20 20 20 20 20 20
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 %	20 20 20 20 20 20 20 20 20 20
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm	2 2 2 2 2 2 2 2 2 2 2 2 2 2
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm	20 20 20 20 20 20 20 20 20 20
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm 1	25 00 15 15 15 15 15 15 15 15 15 15
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm 1	
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 93 % 1.9 cd/lm 1 White SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	SEOUL DC 5050 6V 46.0° / 98.0° 89 % 1 cd/lm 1 White	22, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z5M1/Z5M2 30.0° / 79.0° 94 % 1.8 cd/lm 1 White	5° 6° 6° 6° 123 103 103 103 103 103 103 103 10
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y19 24.0° / 84.0° 89 % 1.7 cd/lm 1 White	5° 60 60 60 60 60 60 60 60 60 60 60 60 60
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22 29.0° / 88.0° 92 % 1.5 cd/lm 1 White	27 27 27 40 40 40 40 40 40 40 40 40 40



SEOUL SEMICONDUCTOR		50* 50*
LED	Z8Y22T	78
FWHM / FWTM	32.0° / 83.0°	
Efficiency	92 %	60-
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required components:	ts:	300
		34 ⁴ 25 ⁷ 25 ⁷



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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LEDiL Oy

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