

STRADELLA-IP-28-HB-S-PC

~30° spot beam. Variant made from PC.

SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈



MATERIALS:

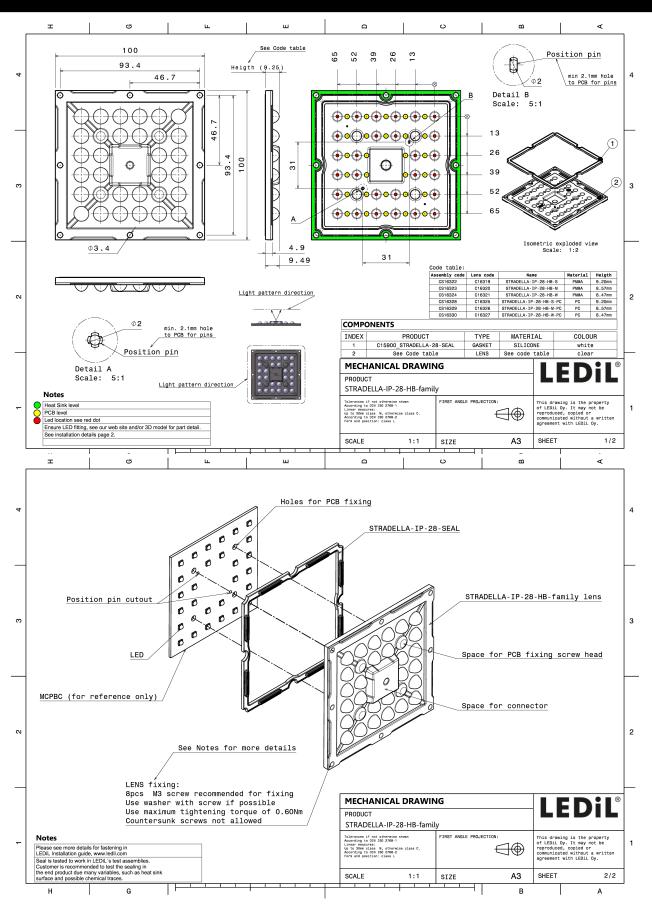
Component	Туре	Material	Colour	Finish
STRADELLA-IP-28-HB-S-PC	Multi-lens	PC	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16328_STRADELLA-IP-28-HB-S-PC	Multi-lens	156	78	78	6.0
» Box size: 476 x 273 x 247 mm					

Last update: 04/04/2023Subject to change without prior noticePublished: 06/11/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.1/12

PRODUCT DATASHEET CS16328_STRADELLA-IP-28-HB-S-PC



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 22.0° / 71.0° 83 % 1.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JK3030 4x7 xxx 20.0° / 65.0° 82 % 2.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XD2x14 xxx G8 22.0° / 78.0° 83 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XP2x14 xxx G7 30.0° / 82.0° 89 % 1.3 cd/lm 1 White nts:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XT2x14 xxx G5 29.0° / 87.0° 86 % 1.5 cd/lm 1 White mts:	
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 2835 22.0° / 71.0° 83 % 1.9 cd/lm 1 White	
CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 20.0° / 65.0° 82 % 2.1 cd/lm 1 White	
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 25.0° / 77.0° 86 % 1.8 cd/lm 1 White	



		50*	90*
LED	 XD16		
FWHM / FWTM	22.0° / 78.0°	77	75'
Efficiency	83 %		
Peak intensity	1.7 cd/lm		60°
LEDs/each optic	1		
Light colour	White	at a second s	45*
Required compone		120	
		601	
			36.
		0°	15*
		80 ⁴	90*
LED	XP-G3		
FWHM / FWTM	30.0° / 93.0°		1
Efficiency	84 %	00 ⁻	60.
Peak intensity	1.3 cd/lm		
LEDs/each optic	1		
Light colour	White	9 1 1 1 1 1 1 1 1 1 1	45"
Required compone	nts:		
		120	
		24- 120 ⁻ 04-	12.
		8°*	90*
LED	XT-E 29.0° / 87.0°	39 ⁴	
LED	ХТ-Е		
LED FWHM / FWTM	XT-E 29.0° / 87.0°	77	
LED FWHM / FWTM Efficiency	XT-E 29.0° / 87.0° 86 %	77	
LED FWHM / FWTM Efficiency Peak intensity	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm	73 69 *	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White	73 69 *	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White	73 69 *	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31)		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0°		22- 22- 64- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 %		22- 22- 64- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm		22- 22- 64- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm 1		25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm 1 White		25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm 1 White		25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm 1 White		25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 29.0° / 87.0° 86 % 1.5 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 26.0° / 78.0° 86 % 1.7 cd/lm 1 White		22. 26. 26.



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone		
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC28 (LH181B) 21.0° / 70.0° 80 % 1.8 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SM28 (LM301B) 23.0° / 73.0° 83 % 1.8 cd/lm 1 White	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 36.0° / 80.0° 85 % 1.5 cd/lm 1 White	91 91 91 91 91 91 91 91 91 91
ED EH FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 25.0° / 65.0° 89 % 2.2 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 27.0° / 68.0° 91 % 2.2 cd/lm 1 White	50° 57 60° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 23.0° / 62.0° 89 % 2.4 cd/lm 1 White	9 ¹ 7 ² 6 ⁴ 6 ⁷ 9 ⁷ 100 100 100 100 100 6 ⁷ 6 ⁷ 100 100 100 100 100 100 100 100 100 10



Μ ΝΙCΗΙΛ		90 ⁴ 90 ⁴
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	34.0° / 84.0°	27
Efficiency	93 %	60 ² 60 ⁴
Peak intensity	1.6 cd/lm	$f \times / $
LEDs/each optic	1	
Light colour	White	gr
Required components:		
		1230
		30° 1650 35°
000414		4 10 00 35°
OSRAM Opto Semiconductors		90° 90°
LED	Duris S5 (2 chip)	725
FWHM / FWTM	25.0° / 65.0°	
Efficiency	87 %	60 ² 000 60 ²
Peak intensity	2.2 cd/lm	$\wedge \neq \neq \neq \uparrow \uparrow \uparrow \uparrow \land \land \land \uparrow$
LEDs/each optic	1	
Light colour	White	er et
Required components:		- 1600
		30* 332 42 325
i i i i i i i i i i i i i i i i i i i		
OSRAM		90° 90°
Opto Semiconductors		
Opto Semiconductors	OSCONIQ C 2424	
Opto Semiconductors LED FWHM / FWTM	22.0° / 60.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	22.0° / 60.0° 87 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	22.0° / 60.0° 87 % 2.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 60.0° 87 % 2.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 60.0° 87 % 2.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 60.0° 87 % 2.5 cd/lm 1	23 24 25 25 26 100 100 100 100 100 100 100 10
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1	23 24 25 25 26 100 100 100 100 100 100 100 10
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 60.0° 87 % 2.5 cd/lm 1	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	22.0° / 60.0° 87 % 2.5 cd/lm 1 White	J. T L/ 39* 90* 90* 39* 90* 90* 39* 100 90* 39* 100 90* 100 100 90*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 60.0° 87 % 2.5 cd/lm 1 White	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 60.0° 87 % 2.5 cd/lm 1 White OSCONIQ P 3030 20.0° / 51.0° 92 % 3.5 cd/lm 1	



OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	24.0° / 60.0°	75.
Efficiency	87 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components:		1630
		X X
		300 150 00° 15°
OSRAM Opto Semiconductors		90* 93*
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	34.0° / 78.0°	75'
Efficiency	90 %	400
Peak intensity	1.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	er
Required components:		
		1230
		30°
		1600
		15° 0° 15°
SAMSUN	IG	90° 0° 15° 90°
LED	LH351B	
LED FWHM / FWTM		34 34 36 36
LED FWHM / FWTM Efficiency	LH351B 32.0° / 73.0°	34 34 36 36
LED FWHM / FWTM Efficiency Peak intensity	LH351B 32.0° / 73.0° 86 %	34 34 36 36
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm	gr
LED FWHM / FWTM Efficiency Peak intensity	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1	34 34 36
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White	99 ⁴ 99 ⁴ 99 99 99 99 99 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White	250 - 250 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White	39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White	39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39* 39*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0°	39* 39* 39* 30* 39* 30* 39* 30* 39* 30* 39* 30* 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	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 %	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LH351B 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 % 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 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 % 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 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 % 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 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 % 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 32.0° / 73.0° 86 % 1.8 cd/lm 1 White LH351C 35.0° / 78.0° 87 % 1.6 cd/lm 1	



SAMSUN	IG	90*
LED	LM301Z Plus	
FWHM / FWTM	26.0° / 64.0°	
Efficiency	86 %	604
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required components:		1600
		300 150 2480 150 3
SEQUE		
SEOUL SEMICONDUCTOR		
LED	SEOUL 3030	75*
FWHM / FWTM	26.0° / 68.0°	
Efficiency	87 %	ess
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	15
Light colour	White	
Required components:		1600
		30° 15° 0° 15° 3
SEOUL		90°
LED	SEOUL DC 3030C	
FWHM / FWTM	26.0° / 66.0°	75
Efficiency	88 %	
Peak intensity		60° 6
LEDs/each optic	2.2 cd/im	
	2.2 cd/lm 1	
	2.2 cd/im 1 White	
Light colour	1	9
	1	
Light colour	1	9
Light colour	1	97
Light colour Required components:	1	97
Light colour	1	97
Light colour Required components: seoul semiconductor LED	1 White Z5M1/Z5M2	20°
Light colour Required components: seous semiconductor LED FWHM / FWTM	1 White Z5M1/Z5M2 27.0° / 67.0°	97
Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	1 White Z5M1/Z5M2 27.0° / 67.0° 87 %	
Light colour Required components:	1 White Z5M1/Z5M2 27.0° / 67.0°	<u>27</u> <u>30</u> <u>160</u> <u>160</u> <u>160</u>
Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Z5M1/Z5M2 27.0° / 67.0° 87 % 2.1 cd/lm 1	
Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z5M1/Z5M2 27.0° / 67.0° 87 % 2.1 cd/m	
Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Z5M1/Z5M2 27.0° / 67.0° 87 % 2.1 cd/lm 1	97 97 96 90 90 90 90 90 90 90 90 90 90 90 90 90
Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z5M1/Z5M2 27.0° / 67.0° 87 % 2.1 cd/lm 1	
Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z5M1/Z5M2 27.0° / 67.0° 87 % 2.1 cd/lm 1	90 90 90 90 90 90 90 90 90 90 90 90 90 9



SEOUL SEMICONDUCTOR		50° 50°
LED	Z8Y19	
FWHM / FWTM	24.0° / 71.0°	400
Efficiency	82 %	60 ² 60 ³
Peak intensity	1.9 cd/im	
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		
		1600
		36° 2000 35°
		15° 0° 15°
SEOUL		50°
	Z8Y22	
SEOUL SEMICONDUCTOR	Z8Y22 28.0° / 78.0°	77
SEOUL SEMICONDUCTOR		
sedul semiconductor LED FWHM / FWTM	28.0° / 78.0°	64 67 67
seoul semiconductor LED FWHM / FWTM Efficiency	28.0° / 78.0° 89 %	77
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	28.0° / 78.0° 89 % 1.6 cd/lm	64 67 68 7 703 72 72 72 72 72 72 72 72 72 72 72 72 72
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 89 % 1.6 cd/lm 1	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 Light colour	28.0° / 78.0° 89 % 1.6 cd/lm 1	gr
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 89 % 1.6 cd/lm 1	gr
SEDUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 89 % 1.6 cd/lm 1	gr



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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LEDiL Oy

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