

VERONICA-SQ-MINI-RS

~17° spot beam

SPECIFICATION:

Dimensions	13.9 x 13.9 mm
Height	8.9 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

Component
VERONICA-SQ-MINI-RS
VERONICA-SQ-MINI-TAPE

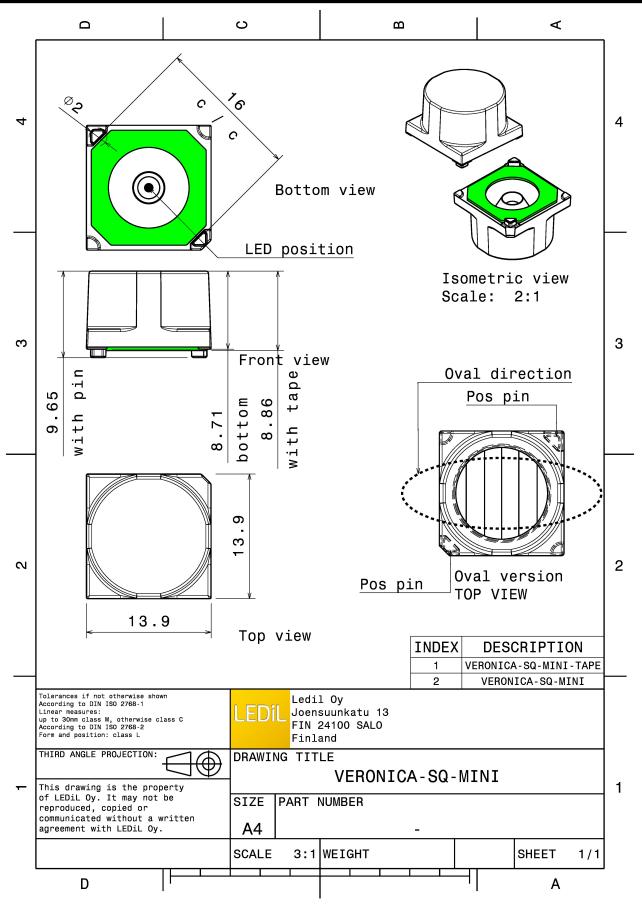
Туре
Single lens
Tape

Material	Colour	Finish
PMMA	clear	
Acrylic foam	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14601_VERONICA-SQ-MINI-RS	Single lens	5544	252	252	7.9
» Box size: 480 x 280 x 300 mm					





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



		50° 50°
LEDS	XD16	
FWHM / FWTM	19.0° / 36.0°	75'
Efficiency	92 %	
Peak intensity	4.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gr
Required componer		3200
		30-
		90 ⁴ 90 ⁴
LED	XP-E2	
FWHM / FWTM	14.0° / 26.0°	$\uparrow \land \land \land \land \land \land$
Efficiency	92 %	60° 60°
Peak intensity	11 cd/lm	$[\times / /] \land \times]$
LEDs/each optic	1	
Light colour	White	47° 6430 43°
Required componer	its:	
		300 300
		15° 0° 15°
		90*
LED	XQ-E HI	27. 28. 29.
LED FWHM / FWTM	9.4° / 24.0°	32. 32. 30. 30.
LED LED FWHM / FWTM Efficiency	9.4° / 24.0° 90 %	64
LEDs LED FWHM / FWTM Efficiency Peak intensity	9.4° / 24.0° 90 % 14.7 cd/lm	64 66 ⁴ 60 ⁴
LEDs Efficiency Peak intensity LEDs/each optic	9.4° / 24.0° 90 % 14.7 cd/lm 1	90°
LEDs EFWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White	61. 90 61. 90 32. 35. 36. 90 90. 90 90.
LEDs Efficiency Peak intensity LEDs/each optic	9.4° / 24.0° 90 % 14.7 cd/lm 1 White	99 ⁴ 97 99 ⁴ 97 99 ⁴ 99 ⁴ 9
LEDs EFWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White	5°. 1000 1000 1000 1000 1000
LEDs EFWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
LEDs EFWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White	30° 10° 10° 10° 10° 30° 10° 10° 10° 55° 10° 10° 10° 55° 10° 10° 10° 55° 10° 10° 10°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts:	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White its:	2000 - 20°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts:	2000 - 20°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0°	2000 - 20°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 %	2000 - 20°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPLENTING LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm 1 White	22. 1000 1000 1000 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm 1 White	64 100 64 35 100 95 36 100 100 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPLENTING LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm 1 White	22. 1000 1000 1000 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPLENTING LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	9.4° / 24.0° 90 % 14.7 cd/lm 1 White tts: EDS LUXEON Rebel ES 21.0° / 43.0° 83 % 4.3 cd/lm 1 White	22. 1000 1000 1000 100 100 100 100



	EDS	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 20.0° / 44.0° 92 % 4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxE17A 11.0° / 32.0° 92 % 7.6 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 21.0° / 45.0° 93 % 3.8 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 18.0° / 37.0° 91 % 5.3 cd/lm 1 White ents:	



OSRAM Opto Semiconductors				
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	SFH 4170S 13.0° / 25.0° % 1 IR ents:			
OSRAM Opto Semiconductors		 		
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	SFH 4180S 11.0° / 22.0° % 1 IR ents:			
SAMSI LED FWHM/FWTM	UNG LH181A 21.0° / 44.0°		<u>20</u>	90* 75*
Efficiency Peak intensity LEDs/each optic Light colour Required compone	86 % 3 cd/lm 1 White ents:		er (10)	62,
			200 200 201 201 201	36.
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B 22.0° / 45.0° 94 % 3.5 cd/lm 1 White		50 ⁴ 75 60 67 200	90* 75* 60* 45*
			34	360



SEOUL		9 ²
LED	Z8Y22P	
FWHM / FWTM	21.0° / 49.0°	
Efficiency	92 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	345 300 40 3



		90° 90°
LED	XP-E	
FWHM / FWTM	15.0° / 29.0°	75
Efficiency	92 %	
Peak intensity	10.3 cd/lm	60.0
LEDs/each optic	1	
Light colour	White	5 ² 6100
Required components:		
		15° 0° 15°
		90* <u>90</u> *
LED	XP-G	
FWHM / FWTM	21.0° / 40.0°	
Efficiency	91 %	60° 60°
Peak intensity	5.2 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		
		\times / \times
		(0)
		300 300
		15° 0° 15°
		50* 50*
CREE ÷	XP-G2	
	XP-G2 20.0° / 38.0°	77
LED		
LED FWHM / FWTM	20.0° / 38.0°	77
LED FWHM / FWTM Efficiency	20.0° / 38.0° 93 %	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm	77 97 99 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	20.0° / 38.0° 93 % 6 cd/lm 1	77 97 99 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1	77 97 99 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	20.0° / 38.0° 93 % 6 cd/lm 1	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	20.0° / 38.0° 93 % 6 cd/lm 1 White	75 60 60 77 77 77 77 77 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	20.0° / 38.0° 93 % 6 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0°	No. No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 %	No. No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm	No. No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm 1	75 100 91 203 92 613 93 613 94 97 95 613 95 613 95 613 95 613 95 613 95 613 95 60 95 60 95 60 96 60 97 60 98 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 38.0° 93 % 6 cd/lm 1 White XP-G2 HE 24.0° / 47.0° 97 % 3.5 cd/lm 1	



		50°
LED	XQ-E HD	
FWHM / FWTM	13.0° / 28.0°	25* 25*
Efficiency	89 %	200
Peak intensity	11 cd/lm	60*
LEDs/each optic	1	
Light colour	White	95° 6000 65°
Required components:		
		X X
		9570
		30° 15° 0° 15° 30°
	05	90° 90°
LED	LUXEON 2835 Line	
FWHM / FWTM	12.0° / 29.0°	23*
Efficiency	96 %	2200
Peak intensity	10 cd/lm	
LEDs/each optic	1	
Light colour	PC Amber	gr 630
Required components:		
		300 300
		15° 0° 15°
MUMILED	DS S	90* 90*
		80°
	LUXEON 3030 2D (Round LES) 16.0° / 40.0°	27 26 26
LED	LUXEON 3030 2D (Round LES)	54 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
LED FWHM / FWTM Efficiency	LUXEON 3030 2D (Round LES) 16.0° / 40.0°	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 %	59 ⁴ 79 ⁵ 60 ⁴ 1000 60 ⁴ 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm	59 ⁻¹ 57 57 57 57 57 57 57 57 57 57 57 57 57
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1	50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 50 ⁴ 60 ⁴ 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1	91 61 61 62 62 63 63 64 64 65 65 65 65 65 65 65 65 65 65 65 65 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1	30° X*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White	39 30, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 12, 30, 10,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White S LUXEON 3030 HV	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White DS LUXEON 3030 HV 17.0° / 41.0°	20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White S LUXEON 3030 HV 17.0° / 41.0° 95 %	30, 0, 0, 30, 0, 10, 30, 0, 10, 40, 0, 10, 40, 0, 0,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm	30, 0, 0, 30, 0, 10, 30, 0, 10, 40, 0, 10, 40, 0, 10,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm 1	201 201 201 201 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm	60 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm 1	60 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm 1	60 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm 1	
LED WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Components:	LUXEON 3030 2D (Round LES) 16.0° / 40.0° 95 % 5.6 cd/lm 1 White V LUXEON 3030 HV 17.0° / 41.0° 95 % 5.5 cd/lm 1	



		7
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON A 21.0° / 42.0° 89 % 4.5 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
	DS	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0° / 31.0° 94 % 9.9 cd/lm 1 White	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		32, 6, 35,
CUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL1Z 12.0° / 30.0° 96 % 10.2 cd/lm 1 White	59° 90° 50° 50° 60° 60° 60° 50° 60° 60° 60° 60° 60° 60°
UMILEC	DS	50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rebel 16.0° / 34.0° 87 % 7.5 cd/lm 1 White	55 57 65 65 65 65 65 65 65 65 65 65 65 65 65



	5	90° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON T 22.0° / 42.0° 96 % 4.7 cd/lm 1 White	200 X2 200 X2
)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 14.0° / 31.0° 89 % 9.5 cd/lm 1 White	27 0° 27
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 19.0° / 40.0° 97 % 5.5 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 28.0° / 68.0° 95 % 2.1 cd/lm 1 White	



ED FWHM / FWTM Efficiency Peak intensity	NVSxE21A 15.0° / 41.0° 94 % 5.3 cd/lm	1000 91°
LEDs/each optic Light colour Required components:	1 White	20- 12.0 0, 12. X.
OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (2W version) 18.0° / 39.0° 94 % 5.8 cd/lm 1 White	600 61, 61, 700 700 700 70, 72, 72,
		30 ⁴
OSRAM Opto Semiconductors		50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (3W version) 25.0° / 43.0° 89 % 2.6 cd/lm 1 White	5. 5. 00 00 00 00 00 00 00 00 00
		360 157 0° 25°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	OSLON Square CSSRM2/CSSRM3 18.0° / 39.0° 92 % 5.9 cd/lm	800 800 2000 900 2000 900
LEDs/each optic Light colour Required components:	5.9 cd/im 1 White	er 200
		304 357 6850 357 36,4



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 150 14.0° / 28.0° 89 % 10.7 cd/lm 1 White	991 75 6430 65 60 60 60 60 60 60 60 60 60 60 60 60 60
OSRAM		131 0 ⁴ 131
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 14.0° / 29.0° 90 % 10.2 cd/lm 1 White	51 04 13 51 04 14 51 04 51 04
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	C LH351B 24.0° / 46.0° 94 % 3.9 cd/lm 1 White	5°
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	C LH351Z 19.0° / 36.0° 92 % 6.1 cd/lm 1 White	200 200 200 200 200 200 200 200



SEOUL SEOUL SEMICONDUCTOR		90° 90°
LED	MJT 3030	75°
FWHM / FWTM	16.0° / 38.0°	$\Gamma \setminus \mathbb{Z} \times [\Lambda \times \mathbb{Z} / \Gamma]$
Efficiency	96 %	60°
Peak intensity	6.1 cd/lm	
LEDs/each optic	1	
Light colour	White	97° (3°
Required components:		
		4800
		\times / \vee \times
		30* 5430 30*
		15° 0° 15°
		90° 91°
SEOUL SEMICONDUCTOR	Z8Y22T	<u>10'</u> <u>0'</u>
seoul semiconductor LED	Z8Y22T 19.0° / 50.0°	75
seoul semiconductor LED FWHM / FWTM	19.0° / 50.0°	
seoul seniconductor LED FWHM / FWTM Efficiency		73° 000 00
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	19.0° / 50.0° 94 %	75
seoul seniconductor LED FWHM / FWTM Efficiency	19.0° / 50.0° 94 % 3.6 cd/lm	73° 000 00
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	19.0° / 50.0° 94 % 3.6 cd/lm 1	27° 90° 90°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0° / 50.0° 94 % 3.6 cd/lm 1	27 20 20 20 20 20 20 20 20 20 20 20 20 20
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0° / 50.0° 94 % 3.6 cd/lm 1	27 00 27 29 29 29 20 20 20 20 29 29 29 29 29 29 29 29 29 29 29 29 29
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0° / 50.0° 94 % 3.6 cd/lm 1	25 00 00 00 00 00 00 00 00 00 0