

PRODUCT DATASHEET C17118_STRADA-2X2-T1-M

STRADA-2X2-T1-M

IESNA Type I (medium) beam applicable for European P-class standard for pedestrian lighting and bicycle paths. Compatible with up to 3535 size LED packages.

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	6.5 mm
Fastening	screw
ROHS compliant	yes 🕕



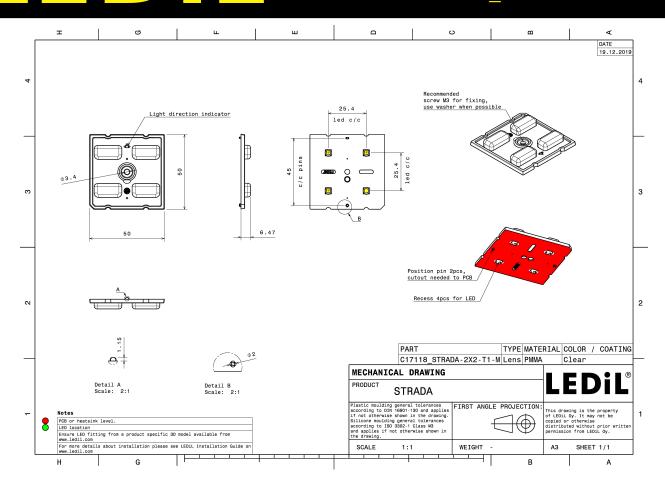
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADA-2X2-T1-M	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17118_STRADA-2X2-T1-M	800	160	160	6.4
» Box size: 480 x 280 x 300 mm				

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



OPTICAL RESULTS (MEASURED):

		90°
LED	XP-G3	
FWHM / FWTM	Asymmetric	-75°
Efficiency	94 %	20 ⁴ 900 20 ⁴
Peak intensity	1.2 cd/lm	50°
LEDs/each optic	1	1200
Light colour	White	45* 45*
Required componer	nts:	1630
		2000
		30* 2450 30*
SEOUL		112 ³ 0 ³ 12 ³
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
	Z8Y22	90°
SEOUL SEMICONDUCTOR		21 60 77 10 10 10 10 10 10 10 10 10 10 10 10 10
seoul semiconductor	Z8Y22 Asymmetric 93 %	
seoul semiconductor LED FWHM / FWTM	Asymmetric	gi
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Asymmetric 93 %	gi
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 1.5 cd/lm	20 00 72. 50° 00 00.
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.5 cd/lm 1 White	20
stoul semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.5 cd/lm 1 White	23
stoul semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.5 cd/lm 1 White	6° 100 7°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.5 cd/lm 1 White	51 60 51 61 00 60 61 122 61 150 61 80



ODEE A		
		90° 90
LED	J Series 3030	
FWHM / FWTM	Asymmetric	700 00
Efficiency	74 %	40
Peak intensity	0.7 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	640
Light colour	White	45* 300 45*
Required components:		
r toquirou componenter		1000
Protective plate	e, glass	1220
		1400
		(30*
		90* 90*
LED	J Series 3030	
FWHM / FWTM	Asymmetric	75° 400 73°
Efficiency	86 %	
Peak intensity	1 cd/lm	.53 ⁴ 800
LEDs/each optic	1	
Light colour	White	45° 1200 55°
Required components:		100
		1699
		1000
		KNTVX
		30* 2000 13 ⁵ 0 ⁶ 15 [*] 30 [*]
		90* 90*
LED	XP-G	
FWHM / FWTM	160.0 + 52.0° / 168.0 + 145.0°	73°
	160.0 + 52.0° / 168.0 + 145.0° 76 %	200
Efficiency	76 %	60 ⁺ 60 ⁺
Efficiency Peak intensity	76 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic	76 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	76 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic	76 % 0.5 cd/lm 1	60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour	76 % 0.5 cd/lm 1 White	90 97 90 90 90 90 90 90 90 90 90 90
Efficiency Peak intensity LEDs/each optic Light colour Required components:	76 % 0.5 cd/lm 1 White	00
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 0.5 cd/lm 1 White	00
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 0.5 cd/lm 1 White e, glass	00
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LEDs LED FWHM / FWTM	76 % 0.5 cd/lm 1 White a, glass XP-G3 Asymmetric	00
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 0.5 cd/lm 1 White e, glass XP-G3 Asymmetric 72 %	00
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREEE LED FWHM / FWTM Efficiency Peak intensity	76 % 0.5 cd/lm 1 White a, glass XP-G3 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76 % 0.5 cd/lm 1 White e, glass XP-G3 Asymmetric 72 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76 % 0.5 cd/lm 1 White e, glass XP-G3 Asymmetric 72 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76 % 0.5 cd/lm 1 White e, glass XP-G3 Asymmetric 72 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76 % 0.5 cd/lm 1 White a, glass XP-G3 Asymmetric 72 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76 % 0.5 cd/lm 1 White a, glass XP-G3 Asymmetric 72 % 0.5 cd/lm 1 White	00



CREE ≑		
LEDs	XP-G4	90* 90*
FWHM / FWTM	Asymmetric	75° 200 75°
Efficiency	77 %	
Peak intensity	0.6 cd/lm	60* 60*
-		
LEDs/each optic	1	
Light colour Required components:	White	45° 45°
Required components.		\times
Protective plate	, glass	3000
		1200
		30° 15° 0° 15°
		90° 90°
LED	XP-G4	(200)
FWHM / FWTM	Asymmetric	73° 77°
Efficiency	88 %	
Peak intensity	0.9 cd/lm	60* 60 60*
LEDs/each optic	1	800
Light colour	White	45* 1000 45*
Required components:		1200
		1430
		1000
		30° 125 0° 15° 0°
	S	90° 53°
	LUXEON 3030 HE Plus	90° 00° 00° 00° 00°
		9°
LED	LUXEON 3030 HE Plus	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM	LUXEON 3030 HE Plus Asymmetric	294
LED FWHM / FWTM Efficiency	LUXEON 3030 HE Plus Asymmetric 86 %	60 60 For the former of the fo
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm	50° 500 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1	62° 1250 62° 63° 660 69° 73° 660 69°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1	6° 60 6° 100 6° 6° 120 6° 100 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1	60° 60° 60° 1000 1000 1000 1000 1000 1000 1000 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White	92 92 93 60 90 90 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White	60° 60° 60° 1000 1000 1000 1000 1000 1000 1000 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White	60° 60° 60° 1000 1000 1000 1000 1000 1000 1000 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 66 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: Compose LUMILEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: Compose LUMILEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus Asymmetric 86 % 1 cd/lm 1 White S LUXEON 3030 HE Plus Asymmetric 74 % 0.7 cd/lm 1 White	



COMPLE	DS	20*
LED	LUXEON HL2X	
FWHM / FWTM	156.0 + 51.0° / 165.0 + 135.0°	730
Efficiency	79 %	
Peak intensity	0.5 cd/lm	60* 400
LEDs/each optic	1	
Light colour	White	45*
Required components		
Protective pl	ate, glass	500
		30* 1000 15 ³ 0 ³ 15 ³
	DS	30*
LED	LUXEON TX	
FWHM / FWTM	157.0 + 48.0° / 165.0 + 147.0°	75 200
Efficiency	76 %	
Peak intensity	0.5 cd/lm	60* 400
LEDs/each optic	1	
Light colour	White	45* 600
Required components	5.	200
Protective pl	ate, glass	
		1000
	DS	90°
LED	LUXEON V2	000
FWHM / FWTM	157.0 + 48.0° / 166.0 + 156.0°	75%
Efficiency	93 %	600
Peak intensity	1 cd/lm	.60 ⁴
LEDs/each optic	1	1000
Light colour	White	4 ⁴⁷ 1200
Required components	:	
		5430
		1670
		1830
		30° 2000 15° 0° 15*
		TAY PA
		207
LED	LUXEON V2	
LED FWHM / FWTM	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0°	200 75 ¹ 200
LED FWHM / FWTM Efficiency	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 %	75* 000
LED FWHM / FWTM Efficiency Peak intensity	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 % 0.6 cd/lm 1	75* 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 % 0.6 cd/lm 1 White	75* 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 % 0.6 cd/lm 1 White	75* 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 156.0 + 48.0° / 164.0 + 150.0° 82 % 0.6 cd/lm 1 White	75* 000



MST Your solutions		90 ⁺
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	
FWHM / FWTM	Asymmetric	75°
Efficiency	78 %	
Peak intensity	0.5 cd/lm	.50 ⁴ 60
		400
LEDs/each optic	1	$ \times \times \rangle$
Light colour	White	45° 000 45°
Required components:		\times
Protective plate	, glass	000
		\times
		30* 1000 30* 30*
ΜΝΙCΗΙΛ		90 ⁴
LED	NVSxE21A	Ĩ Î Î Î Î
FWHM / FWTM	Asymmetric	75°
Efficiency	75 %	400
Peak intensity	0.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	
Required components:		1000
rtequired components.		1220
Protective plate	, glass	
		1400
		30° 15 ⁵ 1650 30°
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	75°
Efficiency	73 %	
Peak intensity	0.6 cd/lm	60* <u>400</u> 60*
LEDs/each optic	1	
Light colour	White	45* 600
Required components:		000
		X/T/X
Protective plate	, glass	1000
		30" 30" 30"
MICHIΛ		90* 90*
	NVSxx19B/NVSxx19C	
LED		
LED FWHM / FWTM		750 750 750
FWHM / FWTM	Asymmetric 90 %	25
FWHM / FWTM Efficiency	Asymmetric 90 %	20°
FWHM / FWTM Efficiency Peak intensity	Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.9 cd/lm 1	50 ⁴ 600 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.9 cd/lm	6 ¹ <u>90</u> 6
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.9 cd/lm 1	50 ⁴ 600 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.9 cd/lm 1	6° <u>100</u> 0
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.9 cd/lm 1	50 ⁴ 999 60 999 60 60 ⁴ 1009 60 1209



OSRAM		THA FAI
Opto Semiconductors		90*
LED	OSCONIQ C 2424	73* 400
FWHM / FWTM	154.0 + 39.0° / 162.0 + 155.0°	
Efficiency	95 %	50* 000
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	1220
Light colour	White	45* 1600
Required components:		
		2000
		2100
		30*
OSRAM		
Opto Semiconductors		90*
LED	OSCONIQ C 2424	200
FWHM / FWTM	153.0 + 41.0° / 161.0 + 149.0°	
Efficiency	83 %	501
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		1000
Protective plate		1200
FIDIECTIVE Plat	z, ylass	
		30* 15 ³
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	734
Efficiency	73 %	
Peak intensity	0.5 cd/lm	60* <u>400</u>
LEDs/each optic	1	
Light colour	•	
LIGHTUUUU	White	87 Con
	White	67 60
Required components:	White	57 50
		-07
Required components:		65° 60 80 100
Required components: Protective plate		
Required components: Protective plate	e, glass	80° 10° 10° 10° 10° 10° 10° 10° 1
Required components: Protective plate Opto Semiconductors LED	o, glass OSLON Square CSSRM2/CSSRM3	
Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM	e, glass OSLON Square CSSRM2/CSSRM3 Asymmetric	
Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	o, glass OSLON Square CSSRM2/CSSRM3 Asymmetric 91 %	
Required components: Protective plate Protective plate Protecti	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm	60 ⁴ 60
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm 1	60° 600
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm	60 ⁴ 60
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm 1	60° 600
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm 1	60 60
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm 1	60 60 1002
Required components: Protective plate Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	oSLON Square CSSRM2/CSSRM3 Asymmetric 91 % 0.9 cd/lm 1	60 60 67 120 100



SAMSUN	IG	
LED	LH351B	90*
FWHM / FWTM	156.0 + 50.0° / 164.0 + 136.0°	75*
Efficiency	84 %	
Peak intensity	0.5 cd/lm	604
LEDs/each optic	1	400
Light colour	White	
Required components:	wine	5
		000
Protective plate	e, glass	\times \land \land \land
		30° 1000 15°
SAMSUN	IG	20*
LED	LH351B	
FWHM / FWTM	158.0 + 50.0° / 167.0 + 139.0°	730
Efficiency	95 %	40
Peak intensity	0.8 cd/lm	66 600
LEDs/each optic	1	
Light colour	White	
Required components:		1000
		1200
		1400
		30° 1600 13 ⁵ 0° 15°
SAMSUN	IG	
LED	LH351C	95-
FWHM / FWTM	154.0 + 54.0° / 166.0 + 137.0°	73°
		400
Efficiency	94 %	507 600
Efficiency Peak intensity	94 % 0.8 cd/lm	501
Efficiency Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	50 ³ 603
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm	60
Efficiency Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	60
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	63 ⁴ 698
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	6 ¹
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	63 ⁴ 698
Efficiency Peak intensity LEDs/each optic Light colour Required components:	94 % 0.8 cd/lm 1 White	61 ⁴ 60 ⁰ 61 ⁵ 1000 1200 1200 1200 1200 1200 1200 120
Efficiency Peak intensity LEDs/each optic Light colour Required components:	94 % 0.8 cd/lm 1 White	61 ⁴ 600 61 ⁵ 500 1200 1200
Efficiency Peak intensity LEDs/each optic Light colour Required components:	94 % 0.8 cd/lm 1 White	61 ⁴ 60 ⁰ 61 ⁵ 1000 1200 1200 1200 1200 1200 1200 120
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	94 % 0.8 cd/lm 1 White IG LH351C 154.0 + 54.0° / 162.0 + 134.0°	61 ⁴ 600 61 ⁵ 1000 1200 1200 1000
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	94 % 0.8 cd/lm 1 White IG LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 %	61 ⁴ 60 ⁰ 61 ⁵ 1000 1200 1200 1200 1200 1200 1200 120
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	94 % 0.8 cd/lm 1 White LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 % 0.5 cd/lm	61 ⁴ 600 61 ⁵ 500 1200 1200
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1 White LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 % 0.5 cd/lm 1	61 ⁴ 600 67 ⁵ 1000 1200 1000
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1 White LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 % 0.5 cd/lm	60 60 100 100 100 100 100 100
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94 % 0.8 cd/lm 1 White LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 % 0.5 cd/lm 1 White	61 ⁴ 600 61 ⁵ 1000 1200 1500
Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1 White LH351C 154.0 + 54.0° / 162.0 + 134.0° 83 % 0.5 cd/lm 1 White	60 60 100 100 100 100 100 100



SAMSUI	16	THYVEFT
		90*
LED FWHM / FWTM	LH351D	750 200
	156.0 + 61.0° / 166.0 + 140.0° 82 %	200
Efficiency Peak intensity	o∠ % 0.4 cd/lm	604 300
•		
LEDs/each optic	1 White	
Light colour Required components:	Wille	45* 500
Required components.		000
Protective pla	e, glass	700
		30° 15 ² 000
SAMSUI	IG	
LED	LH351D	90*
FWHM / FWTM	160.0 + 59.0° / 170.0 + 144.0°	750 200
Efficiency	93 %	
Peak intensity	0.6 cd/lm	50 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:		800
		1000
		1200
		30° 15° 0° 15° 31
LED	SEOUL DC 3030C	
FWHM / FWTM	Asymmetric	
Efficiency	74 %	400
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	600
Light colour	White	45" 800
Required components:		
Protective pla	e, glass	1200
		50° 1490
		130° 1250 10° 15°
SEOUL		
SEOUL SEMICONDUCTOR	SEOUL DC 3030C	× 5
	Asymmetric	
FWHM / FWTM	Asymmetric 87 %	400
FWHM / FWTM Efficiency	87 %	400 00 ⁴
FWHM / FWTM Efficiency Peak intensity	87 % 1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	87 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	87 % 1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	87 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	87 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	87 % 1 cd/lm 1	



SEOUL SEMICONDUCTOR		90- P
LED	Z5M4	
FWHM / FWTM	152.0 + 44.0° / 166.0 + 151.0°	73"
Efficiency	95 %	
Peak intensity	1 cd/lm	50° ²⁰ 60°
LEDs/each optic	1	
Light colour	White	it [*] 500
Required components	5:	120
		100
		30* 309
		10 - 10 ⁴
		90 99
SEOUL SEOUL SEMICONDUCTOR	Z5M4	90* 90*
SEOUL SEMICONDUCTOR	Z5M4 151.0 + 44.0° / 162.0 + 144.0°	90°
seoul semiconductor LED FWHM / FWTM		72' 200 72'
seoul semiconductor	151.0 + 44.0° / 162.0 + 144.0°	
seoul semiconductor LED FWHM / FWTM Efficiency	151.0 + 44.0° / 162.0 + 144.0° 83 %	72' 200 72'
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	151.0 + 44.0° / 162.0 + 144.0° 83 % 0.7 cd/lm	720 200 75- 60 60 60 60
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	151.0 + 44.0° / 162.0 + 144.0° 83 % 0.7 cd/lm 1 White	
seoul sewiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	151.0 + 44.0° / 162.0 + 144.0° 83 % 0.7 cd/lm 1 White 3:	
stoul stemconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	151.0 + 44.0° / 162.0 + 144.0° 83 % 0.7 cd/lm 1 White 3:	72° 000 72°
seoul semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	151.0 + 44.0° / 162.0 + 144.0° 83 % 0.7 cd/lm 1 White 3:	72° 000 72°



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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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