

PRODUCT DATASHEET C13253_TINA2-R-CLIP16

TINA2-R-CLIP16

Mini reflector with ${\sim}60^\circ$ wide beam and clip installation

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10.1 mm
Fastening	clips
ROHS compliant	yes 🛈



MATERIALS:

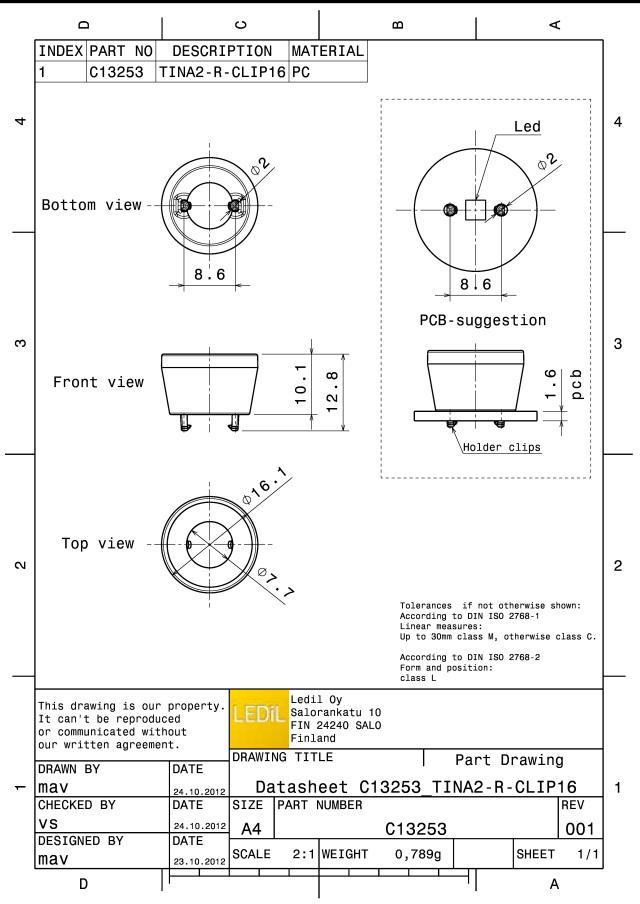
Component	Туре	Material	Colour	Finish	Coating
TINA2-R-CLIP16	Reflector	HRPC	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13253_TINA2-R-CLIP16		300	50	3.8
» Box size: 300 x 250 x 250 mm				



PRODUCT DATASHEET C13253_TINA2-R-CLIP16



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



				80*	90°
LED	XB-D				
FWHM / FWTM	73.0° / 135.0°				25*
Efficiency	90 %				en*
Peak intensity	0.6 cd/lm				7
LEDs/each optic	1				\times
Light colour	White			er ((45°
Required compone	nts:		_	40	
					\times
				30* 000	300
				135 00 1350	
				30*	90°
LED	ХВ-Н				
FWHM / FWTM	81.0° / 151.0°				-e.
Efficiency	92 %			605	60.
Peak intensity	0.5 cd/lm			200	
LEDs/each optic	1				$\langle \rangle$
Light colour	White				45*
Required compone	nts:	I			
				440	$\langle \rangle$
				30-	36.
CREE 🚖				20 [°] , 0 [°] , 20 [°]	
				<u>15</u> <u>6</u> <u>15</u>	90°
LED	XM-L			30°	90° 75*
LED FWHM / FWTM	78.0° / 142.0°			39°	90° 75°
LED FWHM / FWTM Efficiency	78.0° / 142.0° 88 %				90° 25° 60°
LED FWHM / FWTM Efficiency Peak intensity	78.0° / 142.0° 88 % 0.5 cd/lm			20 00 00 00 00 00 00 00 00 00 00 00 00 0	90° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	78.0° / 142.0° 88 % 0.5 cd/lm 1			10° 10° 10°	90° 35°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White			200 - 200 -	90* 90* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	78.0° / 142.0° 88 % 0.5 cd/lm 1 White			20° 20°	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White			20 - 20	90* 25* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White			29° 99° 99° 99° 90° 90° 90° 90° 90° 90° 9	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White				90* 90* 87*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White				90° 25° 60° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts:				95°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts:				85. 85. 86. 86. 86.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0°				97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 %				97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm				97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm 1				10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm 1 White				97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm 1 White				97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm 1 White				97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78.0° / 142.0° 88 % 0.5 cd/lm 1 White nts: XM-L2 78.0° / 142.0° 90 % 0.5 cd/lm 1 White				97 97 97 97 97 97 97 97 97 97 97 97 97 9



			90* 90*
LED	XP-E		
FWHM / FWTM	74.0° / 138.0°		
Efficiency	90 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		er er
Required compone	ents:		
			30* 33*
			15° 8° 15°
			90° 90°
LED	XP-E2		
FWHM / FWTM	74.0° / 136.0°		
Efficiency	90 %		60° 60°
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour	White		43 ¹ 43 ²
Required compone	ents:		400
			30" 60 31"
			15° 0° 15°
CREE ÷			90° 90°
LED	XP-G		75*75*
FWHM / FWTM	77.0° / 141.0°		
Efficiency	90 %		eve eve
Peak intensity	0.5 cd/lm		200
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
			30° 15° 0° 15°
CREE ≑			90° 90°
LEDS	VD CO		
LED FWHM / FWTM	XP-G2		75
	75.0° / 138.0° 89 %		
Efficiency Rock intensity	89 % 0.5 cd/lm		60° 60°
Peak intensity	0.5 ca/im 1		
LEDs/each optic	White		45*
Light colour Required compone			
Required compone	ano.		400
			30° 15° 30°



			90* 90*
LED	ХТ-Е		
FWHM / FWTM	71.0° / 133.0°		
Efficiency	87 %		200 001
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour	White		a
Required compone	ents:		40
			36* 6/0 36*
	FDS		
			90* 90*
LED			75'
FWHM / FWTM	75.0° / 138.0°		
Efficiency	91 %		60° 60°
Peak intensity LEDs/each optic	0.5 cd/lm 1		
Light colour	White		43*
Required compone			
	5113.		460
			30"
			30° 30° 30° 30°
🤭 LUMIL	EDS		
LED	LUXEON R		
FWHM / FWTM	75.0° / 136.7°		
Efficiency	89 %		
Peak intensity	0.6 cd/lm		_
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		_
	EDS		90° 90°
LED	LUXEON Rebel		
FWHM / FWTM	72.0° / 131.0°		75
Efficiency	90 %		
Peak intensity	0.6 cd/lm		60 [×] / ²⁰⁰
LEDs/each optic	1		
Light colour	White		a34 a34
Required compone			
			30° 500
		 	15% 00 35°
-			



		1
UMIL	EDS	90*
LED	LUXEON Rebel ES	21"
FWHM / FWTM	74.0° / 137.0°	
Efficiency	89 %	60° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	\times / / / / \times
Light colour	White	43. A.
Required compone	nts:	400
		30* 30*
	EDS	30° 30°
LED	LUXEON T	
FWHM / FWTM	75.0° / 137.0°	75'
Efficiency	89 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	az. az.
Required compone		
		 30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LUMIL	EDS	90 ⁴ 90 ⁴
LED	LUXEON TX	
FWHM / FWTM	81.0° / 151.0°	100
Efficiency	90 %	60°
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	47° (300
Required compone	nts:	
		30° 30° 300 35°
		90°
LED	NCSxx19A	
FWHM / FWTM	72.0° / 132.0°	73"
Efficiency	90 %	
Peak intensity	0.6 cd/lm	6°*
LEDs/each optic	1	
Light colour	White	az. (
Required compone		
		30° 30°
		V 15°



ØNICHI			90°	90*
LED	NF2x757A			
FWHM / FWTM	72.0° / 135.0°		78*	75
Efficiency	92 %			
Peak intensity	0.6 cd/lm		60°	200
LEDs/each optic	1			
Light colour	White		934	45*
Required compone				400
			34	
				°° 355
ØNICHI			90°	90*
LED	NVSxx19A			
FWHM / FWTM	74.0° / 136.0°			
Efficiency	90 %		60*	60*
Peak intensity	0.6 cd/lm			
LEDs/each optic	1			
Light colour	White		97.0	45*
Required compone	nts:			400
			35%	30*
ØNICHI			90*	80° 22,
			99 ⁴	90* 30*
LED	NVSxx19B/NVSxx19C		90 ⁴	2. 26. 26. 26.
LED FWHM / FWTM	NVSxx19B/NVSxx19C 74.0° / 139.0°		37 38 ¹	
LED FWHM / FWTM Efficiency	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 %		94 ⁴	26 26 26 26 26 26 26
LED FWHM / FWTM Efficiency Peak intensity	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm		22 ⁴	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 %		g. 99.*	200
LED FWHM / FWTM Efficiency Peak intensity	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White		25°	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	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White			200 pp
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White		25°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip)			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Depts Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm 1			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Depts Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C 74.0° / 139.0° 89 % 0.5 cd/lm 1 White nts: Duris S5 (2 chip) 76.0° / 144.0° 91 % 0.5 cd/lm 1 White			



OSRAM Opto Semiconductors		90*
LED	OSLON Square EC	
FWHM / FWTM	75.0° / 138.0°	75*
Efficiency	91 %	
Peak intensity	0.5 cd/lm	60° 200 60°
LEDs/each optic	1	
Light colour	White	gr at
Required compone		
		30° 30° 35°
OSRAM		an*
Opto Semiconductors		
	OSLON SSL 150	73.
FWHM / FWTM	75.0° / 140.0°	
Efficiency Peak intensity	88 % 0.5 cd/lm	60° 200 60°
LEDs/each optic Light colour	1 White	a7* a7*
Required compone		
Required compone	ans.	
		36° 15° 0° 15°
OSRAM		8% 99,4
Opto Semiconductors		
LED FWHM / FWTM	OSLON SSL 80 71.0° / 108.0°	75. 75.
Efficiency	91 %	
Peak intensity	0.7 cd/lm	60 ¹ 60 ¹
LEDs/each optic	1	
Light colour	White	45- 450
Required compone		
		30° 30° 30° 30°
SEOUL		90* 90*
	70)/45	
	Z8Y15	73.
FWHM / FWTM	72.0° / 137.0°	
Efficiency	90 %	60° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	15 ⁻
Light colour		
Required compone	ans.	
		30° 35°



SEOUL			30,
LED FWHM / FWTM	Z8Y19 71.0° / 136.0°		7
Efficiency	89 %		50 ⁴ 500 00 ⁴
Peak intensity	0.6 cd/lm		
LEDs/each optic Light colour	1 White		
Required compone		1	
			20 ⁴ 10 ⁷ 20 ⁴ 30 ⁴



OPTICAL RESULTS (SIMULATED):

		90° 90°
LEDS	XP-G2 HE	
FWHM / FWTM	73.0° / 120.0°	73*
Efficiency	86 %	
Peak intensity	0.6 cd/lm	60° - 200 - 60°
LEDs/each optic	1	
Light colour	White	45°
Required components:	White	
		400
		30° 15° 0° 15° 30
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 3030	
FWHM / FWTM	74.0° / 134.0°	23*
Efficiency	86 %	60°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	₫×
Required components:		
1		
1		30° 30°
		20°
OSRAM Opto Semiconductors		20 ⁴ 20 ² 20 ² 20 ²
OSRAM Opto Semiconductors LED	OSLON Black	90° 25° 25° 25° 25° 25° 25°
Opto Semiconductors	OSLON Black 71.0° / 125.0°	34 34 36 36 36 37 36 37 36 37 36 37 36 36 37 36 36 36 36 36 36 36 36 36 36
Opto Semiconductors		
opto Semiconductors LED FWHM / FWTM Efficiency	71.0° / 125.0°	200 00 ⁴
opto Semiconductors LED FWHM / FWTM	71.0° / 125.0° 80 %	200 - 200 -
^{opto semiconductors} LED FWHM / FWTM Efficiency Peak intensity	71.0° / 125.0° 80 % 0.6 cd/lm	47 47 47 47 47 47 47 47 47 47
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	71.0° / 125.0° 80 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	71.0° / 125.0° 80 % 0.6 cd/lm 1 White	25° 20° 20° 27° 20° 20° 29° 20° 20° 29° 20° 20° 29° 20° 20° 29° 20° 20°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	71.0° / 125.0° 80 % 0.6 cd/lm 1 White	200 00°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	71.0° / 125.0° 80 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	71.0° / 125.0° 80 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	71.0° / 125.0° 80 % 0.6 cd/lm 1 White , glass OSLON Square CSSRM2/CSSRM3 65.0° / 116.0° 94 % 0.7 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SAMSU	NG	90* 95*
LED	LH351B	
FWHM / FWTM	78.0° / 138.0°	
Efficiency	87 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required component	s:	
		90 ⁶ 20 ⁷ 0 ¹⁰ 20 ⁷
SAMSU	NG	35*
LED	LH351C	
FWHM / FWTM	79.0° / 140.0°	37 20
Efficiency	86 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required component	s:	
		30° 30° 30°



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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