

STRADELLA-IP-28-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height. Variant made from PMMA.

TECHNICAL SPECIFICATIONS:

Dimensions	100.0 x 100.0 mm
Height	9.2 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



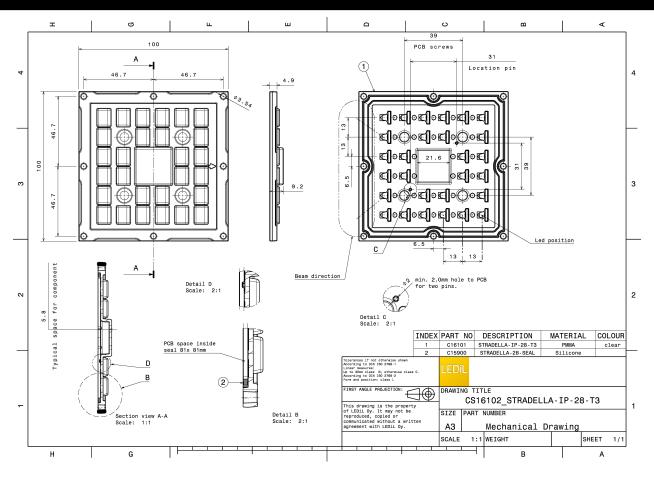
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADELLA-IP-28-T3	Multi-lens	PMMA	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16102_STRADELLA-IP-28-T3	Multi-lens	156	78	78	6.3
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS16102_STRADELLA-IP-28-T3



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



LED HIGLED STR28 CR JE2835 4x7 rox FWM/ FVTM Agymetric Efficiency 9 4 % Pask intersity 0 5 odm LEOkenh opic 1 Light colour White Required components: LED HIGLED STR28 CR JE3030 4x7 xxx FVM/ FVTM Agymetric Efficiency 4 4% Pask intersity 1 od/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components: Efficiency 3 4 % Pask intersity 0 cd/in LEOkenh opic 1 Light colour White Required components:			
LED HiQLED STR28 CR JD\$3030 4x7 xxx FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1 cd/m LEDseach optic 1 Light colour White Required components:	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	
LED QUICK FLUX STR28 XD2x14 xxx G8 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CONCENT LED QUICK FLUX STR28 XP2x14 xxx G7 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component State S	LED FWHM / FWTM	Asymmetric	
LED QUICK FLUX STR28 XP2x14 xxx G7 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White	Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White	
LEDs/each optic 1 Light colour White	LED FWHM / FWTM Efficiency	Asymmetric 94 %	
	LEDs/each optic Light colour	1 White	5 ¹ 50 50 60



CODT		
	QUICK FLUX STR28 XT2x14 xxx G5	30. 30.
EED FWHM / FWTM	Asymmetric	200 290
Efficiency	94 %	
=		60° 60°.
Peak intensity	0.6 cd/lm	X 300 X
LEDs/each optic	1	$X \times I \setminus X \times$
Light colour	White	45° 400 45
Required componer	ts:	
		60
		300 700 30*
		115 ³ 0 ⁶ 15 ⁴
CREE \$		90* 90*
LED	J Series 2835	5
FWHM / FWTM	Asymmetric	73°
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60 60
LEDs/each optic	1	400
Light colour	White	45*
Required componer		X X
riedanea componei		600
		\times / \setminus \times
		800
		30° 15 ⁵ 0° 15° 30°
CREE \$		
	-	90* 90*
LED	J Series 3030	758 100 787
FWHM / FWTM	Asymmetric	200 70
FWHM / FWTM Efficiency	Asymmetric 96 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 0.7 cd/lm	29 20 20 70 70 70 70 70 70 70 70 70 70 70 70 70
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.7 cd/lm 1	293 200 79 80 ⁴ 200 6.4
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.7 cd/lm 1 White	80 ⁻ 30
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White	80 ⁻ 30
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White	80 ⁻ 30
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 96 % 0.7 cd/lm 1 White ts:	80°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White ts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 96 % 0.7 cd/lm 1 White ts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 96 % 0.7 cd/lm 1 White ts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED FWHM / FWTM Efficiency	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ECREE ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 % 1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.7 cd/lm 1 White ts: J Series 3030 Asymmetric 94 % 1 cd/lm 1 White	



CREE 4		90* 90*
LED	XD16	90° 90°
FWHM / FWTM	Asymmetric	.75% 100 757.
Efficiency	94 %	
Peak intensity	0.7 cd/lm	.60* 20% 60*
LEDs/each optic	1	30
Light colour	White	
Required compone		400
		500
		600
		30* <u>15*</u> 0° <u>15*</u> 30°
CREE 4		90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	756 100 756
Efficiency	94 %	1
Peak intensity	0.6 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required compone	nts:	
		400
		500
		30*
		119 ³ 0 ⁴ 119 ³
CREE 4		90° 90°
LED	XT-E	
FWHM / FWTM	Asymmetric	735
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	45+ 400 45*
Required compone	nts:	
		600
		30° 15 ⁵ 0° 15° 30°
	EDS	
UMIL		90* 90*
LED	LUXEON 3030 2D (Round LES)	75%
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required compone	nts:	
		00
		70
		20 70 20 20 20 20 20 20 20 20 20 20 20 20



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∕∕ NICHI∧		90* ·	90*
LED	NF2W585AR		
FWHM / FWTM	Asymmetric	75*	75*
Efficiency	94 %		5/
Peak intensity	0.6 cd/lm	50"	60*.
LEDs/each optic	1		
Light colour	White	45* 400	45*
Required compone	nts:		
		200	
		600	
		30°	30*
\sim		150 86 190	1
		90*	90*
LED	NF2W585AR	5	
FWHM / FWTM	Asymmetric	250	75*
Efficiency	94 %		S.
Peak intensity	0.6 cd/lm	50"	60*
LEDs/each optic	1	30	
Light colour	White	45* 400	45*
Required compone	nts:		
		200	
		600	
		30° 759 10°	30*
		15* 29 15*	
		NY YH	(
		90*	90*
LED	NF2x757G	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	90*
LED FWHM / FWTM	NF2x757G Asymmetric	80*	90* 78°
LED FWHM / FWTM Efficiency	NF2x757G Asymmetric 94 %		90* 785 60*
LED FWHM / FWTM Efficiency Peak intensity	NF2x757G Asymmetric 94 % 0.6 cd/lm	8° 50 80 80	90* 20* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 94 % 0.6 cd/lm 1	8° 10 6° 30	90* 71° 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White		90* 75% 66*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White	6 ¹ 60 90 90	90* 735 667
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White		90* 735 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White		90* 755 60* 65*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts:		90 ⁴ 755 6,4 6,4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts:		99 ⁷ 755 6,4 65 ⁹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts:		99 ⁴ 60 ⁴ 99 ⁴ 99 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts:		99 ⁻ 60 ⁻ 60 ⁻ 90 ⁻ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm		99" 6,4 6,7 6,7 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NVSW219F Asymmetric 94 % 0.6 cd/lm 1 White		99 75 75 75 75 75 75 75 75 75 75



OSRAM Opto Semiconductors		
LED	Duris S5 (2 chip)	yo- yo-
FWHM / FWTM	Asymmetric	275 200 275
Efficiency	94 %	
Peak intensity	0.7 cd/lm	ave set
LEDs/each optic	1	
Light colour	White	400
Required compone		407 540
		600
		710
		30° 12° 00 13° 30°
OSRAM		
Opto Semiconductors	OSCONIQ S 3030	90* 90*
FWHM / FWTM	Asymmetric	775 200 776
Efficiency	94 %	
Peak intensity	0.7 cd/lm	.604 604
LEDs/each optic	1	30
Light colour	White	45* 400 45*
Required compone		
·····		200
		600
		30° 700 30° 30°
OSRAM		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	8° 87
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	ge g
opto Semiconductors LED FWHM / FWTM	Asymmetric	5
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 95 %	5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.7 cd/lm	5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 %	5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.7 cd/lm 1 White Ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED	Asymmetric 95 % 0.7 cd/lm 1 White ints: UNG HiLOM SC28 (LH181B)	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM	Asymmetric 95 % 0.7 cd/lm 1 White ints: JNG HiLOM SC28 (LH181B) Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.7 cd/lm 1 White ints:	



SAMS	UNG	907
LED	HiLOM SM28 (LM301B)	S
FWHM / FWTM	Asymmetric	79-
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	White	47° 760 67°
Required compone	ents:	
		00
		70
		10° 800 800
SEOUL SEMICONDUCTOR		90* 91*
LED	Z5M3	
FWHM / FWTM	Asymmetric	75° 200 78°.
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	30
Light colour	White	er et
Required compone	ents:	40
		00



PHOTOMETRIC DATA (SIMULATED):

CREE ≑		90°
LED	XP-G	
FWHM / FWTM	Asymmetric	75° 75°
Efficiency	91 %	
Peak intensity	0.4 cd/lm	60 ⁴ 200 60 ⁴
LEDs/each optic	1	
Light colour	' White	
Required components:	White	45* 40
Required components.		X / T / X
		50
		30* 600 30* 30°
CREE ≑		
	XP-G2	90* 90*
FWHM / FWTM	Asymmetric	75° 100 75°
	92 %	
Efficiency Peak intensity	92 % 0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	' White	30
Required components:	White	45 400 45
Required components.		X X
		600
		130° 13° 0° 15° 30°
	DS	
		90° 10° 10° 10° 10°
LED	LUXEON TX	20 ¹
LED FWHM / FWTM	LUXEON TX Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON TX Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 91 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	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 Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	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 Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	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 Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	500 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 %	500 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White	50 60 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: VOMULEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 % 0.5 cd/lm 1	500 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 % 0.5 cd/lm	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 % 0.5 cd/lm 1	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 % 0.5 cd/lm 1	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX Asymmetric 91 % 0.6 cd/lm 1 White S LUXEON V2 Asymmetric 91 % 0.5 cd/lm 1	50 50 50 50 50 50 50 50 50 50



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	0.7 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:		
		500
		\times / \times X
		800
		30* 15* 0° 15* 30*
OSRAM Opto Semiconductors		90* 90+ 90+
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	779 - 400 - #0
Efficiency	92 %	1 miles
Peak intensity	0.6 cd/lm	50 ⁴ 60*
LEDs/each optic	1	30
Light colour	White	45* 400 45*
Required components:		
		000
		700
		30° 15° 0° 15° 30°
OSRAM Opto Semiconductors		100 - 100 -
Opto Semiconductors	OSLON SSL 150	
OSRAM Opto Semiconductors LED FWHM / FWTM	OSLON SSL 150 Asymmetric	90° 12° 0° 12° 90°
opto Semiconductors LED FWHM / FWTM	OSLON SSL 150 Asymmetric 91 %	400
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 %	100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm	100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.7 cd/lm 1	23°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	23°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	23°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	23°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White	294
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1 White	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	Asymmetric 91 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.7 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.7 cd/lm 1 White G LH231B Asymmetric	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1 White LH231B Asymmetric 92 % 0.5 cd/lm 1	
orto Semiconductors 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	Asymmetric 91 % 0.7 cd/lm 1 White LH231B Asymmetric 92 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1 White LH231B Asymmetric 92 % 0.5 cd/lm 1	
opto Semiconductors 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	Asymmetric 91 % 0.7 cd/lm 1 White LH231B Asymmetric 92 % 0.5 cd/lm 1	
opto Semiconductors 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	Asymmetric 91 % 0.7 cd/lm 1 White LH231B Asymmetric 92 % 0.5 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

SEOUL		90° 92°
SEOUL SEMICONDUCTOR	Z5M1/Z5M2	90* 90*
FWHM / FWTM	Asymmetric	75° 200 77°
Efficiency	93 %	
Peak intensity	0.5 cd/lm	50* 60*
LEDs/each optic	1	X Jon X
Light colour	White	
Required components:	Wille	-67° - 60° - 63°.
Required components.		500
		600
		30* 15 ² 789 15* 30*
SEOUL		
SEOUL SEMICONDUCTOR		90 ⁺ 90 ⁺
LED	Z8Y22	100 March 100
FWHM / FWTM	Asymmetric	
Efficiency	90 %	.60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45° 67°
Required components:		× **
		670
		700
		30*
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22P	
FWHM / FWTM	Asymmetric	200 - 20°
Efficiency	91 %	200
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	30
Light colour	White	451 400 471
Required components:		\times
		500
		30*
		15 ⁵ 0 ⁶ 15 ⁶



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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