

STRADELLA-16-T1-A

Asymmetric IESNA Type I (short) beam designed for tilted poles. Suitable for Indian EESL specification.

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 4.3 mm pin, screw yes ()

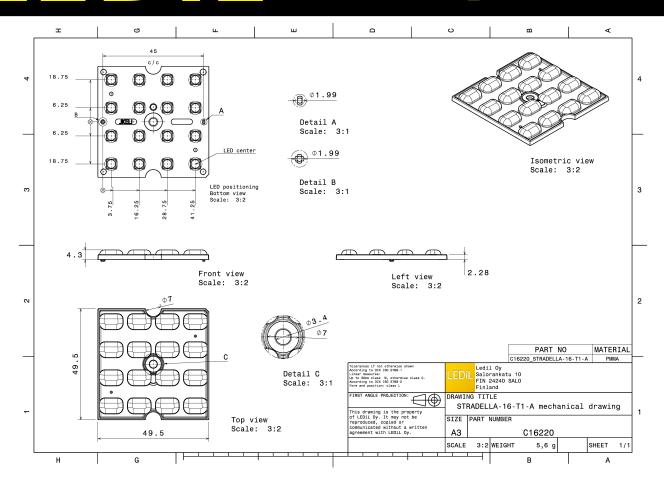


MATERIALS:

ComponentTypeMaterialColourFinishSTRADELLA-16-T1-AMulti-lensPMMAclear

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16220_STRADELLA-16-T1-A	800	160	160	5.3
» Box size: 480 x 280 x 300 mm				



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



LED	J Series 3030	
FWHM / FWTM	Asymmetric	750 780 780
Efficiency	97 %	400
Peak intensity	0.9 cd/lm	50° 50°
LEDs/each optic	1	
Light colour	White	
Required compone		1000
		1700
		1400
		30* 15 ⁵ 18 ⁵⁰ 15* 30*
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC	90* 90*
EED FWHM / FWTM	Asymmetric	750 700 700
Efficiency	96 %	400
Peak intensity	0.9 cd/lm	50* 500 50*
LEDs/each optic	1	
Light colour	White	
Required compone		
		1200
		3450
		1600
		(30* 15 ⁵ 0 ⁶ 15 [*] 30 ⁴
ØNICHI		91 ¹
		90°
LED	NF2x757G	26. 00 26. 00 26. 00
LED FWHM / FWTM		50°
LED FWHM / FWTM Efficiency	NF2x757G Asymmetric 97 %	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	NF2x757G Asymmetric	
LED FWHM / FWTM Efficiency	NF2x757G Asymmetric 97 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White	.67 <u>60</u> 67 67 <u>500</u> 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White	60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White	.67 <u>60</u> 67 67 <u>500</u> 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White	.67 <u>60</u> 67 67 <u>500</u> 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents:	67 60 67 57 100 67 1739 199 199
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents:	60 60 60 50 50 1200 65 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents:	60 60 60 50 100 67 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents:	60 60 60 50 50 1200 65 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 %	60 60 60 50 100 67 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 97 % 0.9 cd/lm 1 White ents: NFSW757H Asymmetric 94 % 0.8 cd/lm 1 White	



WNICHIA		90*
LED	NFSx757D	
FWHM / FWTM	Asymmetric	736
Efficiency	94 %	40
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	800
Light colour	White	6° / / / /
Required componer	nts:	1000
		1200
		1430
		100° 115 ³ 0 ³ 15 ⁹
MNICHIA		90*
LED	NFSx757G	
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	400
Peak intensity	1 cd/lm	100 ×
LEDs/each optic	1	
Light colour	White	45
Required componer		5000
		1200
		3600
		90° 15 ⁵ 1690 15°
OSRAM		50°
LED	PrevaLED Brick MP 4x16	
LED FWHM / FWTM		751
FWHM / FWTM	PrevaLED Brick MP 4x16 Asymmetric 94 %	750
FWHM / FWTM Efficiency	Asymmetric 94 %	755
FWHM / FWTM Efficiency Peak intensity	Asymmetric	25 460 644 660
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm	25
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	6)* <i>00</i>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White	55 ⁴ - <u>50</u> 9
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	60 - 00 - 00 - 00 - 00 - 00 - 00 - 00 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 1 cd/lm 1 White	60 - 00 - 00 - 00 - 00 - 00 - 00 - 00 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	60 90 90 109 109 109
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 1 cd/lm 1 White nts:	60 90 90 109 109 109
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 1 cd/lm 1 White nts:	60 90 90 109 109 109
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Optic Semiconductors LED FWHM / FWTM	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric	60 90 90 109 109 109
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Optic Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 %	60 60 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm	60 60 100 100 100 100 100 100 10
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm 1 Purple	60 60 100 100 100 100 100 100 10
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm 1 Purple	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm 1 Purple	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 94 % 0.9 cd/lm 1 Purple	



		
OSRAM Opto Semiconductors		90°
LED	Duris S5 (Single chip)	
FWHM / FWTM	Asymmetric	75* 400 72*
Efficiency	93 %	
Peak intensity	1.5 cd/lm	.60 ⁴ 60 ⁴ .
LEDs/each optic	1	
Light colour	White	45 ⁺ 1200 45 ⁺
Required compone	nts:	\times / \times
		1500
		X X
		304 2000 344
OCDAM		
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	Asymmetric	73°
Efficiency	94 %	40
Peak intensity	0.9 cd/lm	100° K 600 K 10°
LEDs/each optic	1	X
Light colour	White	67
Required compone	nts:	
		1200
		1430
		30° 175 30°
PHILIP	S	
		90* 90*
LED	Fortimo FastFlex LED 4x16 DHE G4	730 700 770
FWHM / FWTM	Asymmetric	40
Efficiency	94 %	60* 60*
Peak intensity	1 cd/lm	
LEDs/each optic	1 White	800
Light colour Required compone		45* 57*
	115.	
		1230
		1430
		30* 13 ⁴ 18 ⁴ 30 ²
SΛMSL	ING	
LED		90* 90*
FWHM / FWTM	HiLOM RM64 (LM301B) Asymmetric	75° 70°
Efficiency	94 %	400
Peak intensity	1 cd/lm	50° 600 60°.
LEDs/each optic	1	$X \times T \times X$
Light colour	White	40°
Required compone		1000 40
		1200
1		
		14m I
		1400 30* 15 ⁵ 500 15* 30*



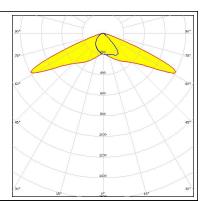
SAMSU	ING	
		90* 90*
	LM231 A/B	780 0000 780
FWHM / FWTM	Asymmetric	400
Efficiency	94 %	50 ⁴ 000 50*
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	$X \times T \times X$
Light colour	White	45*
Required componer	ts:	1230
		1000
		1690
		30° 155 0° 15° 35°
SCIO	LUX	90* 92*
LED	XLE-S44XTEHE (XT-E HE)	
FWHM / FWTM	Asymmetric	730 770
Efficiency	94 %	400
Peak intensity	0.8 cd/lm	.50 ⁴ 60 ⁴
LEDs/each optic	1	60
Light colour	White	45* 300 45*
Required componer		
rioquirou componer		1000
		1230
		30* 1400 15 ⁵ 0 ⁶ 15* 36*
SEOUL		
SEOUL SEMICONDUCTOR		80* 80*
SEOUL SEMICONDUCTOR	SEOUL 3030	20 ⁰
seoul semiconductor LED FWHM / FWTM	Asymmetric	
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 93 %	909
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 1.2 cd/lm	90° 90°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.2 cd/lm 1	**
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White	97 90 90 90 90 90 90 90 90 90 90
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.2 cd/lm 1 White	**
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White	**
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White	**
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 1.2 cd/lm 1 White ts:	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White ts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 1.2 cd/lm 1 White ts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 1.2 cd/lm 1 White ts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD	
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric	90 90 120 130 150 100 100 100 100 100 100 10
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 %	90 90 90 90 90 90 90 90 90 90
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 0.9 cd/lm	90 90 120 130 150 100 100 100 100 100 100 10
seoul seniconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 0.9 cd/lm 1 White	
seoul seniconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 0.9 cd/lm 1 White	
seoul seniconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 0.9 cd/lm 1 White	
seoul seniconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.2 cd/lm 1 White ts: RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 0.9 cd/lm 1 White	



TRIDONIC

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour

RLE 4x16 4000lm MP ADV2 OTD Asymmetric 94 % 1 cd/lm 1 White Required components:



TRIDONIC

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required componer

RLE 4x8 2000lm MP ADV2 OTD Asymmetric 94 % 1 cd/lm 1 White nts:



LED CP 2727 (BXCP) FWHM / FWTM Asymmetric Elifonony 95% Pask intensity 0.8 cd/m LEDweach optic LED CSP 2727 (BXCP) FWHM / FWTM Asymmetric Elifonony 85% Pask intensity 0.7 cd/m LEDweach optic LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Pask intensity 0.7 cd/m LEDweach optic 1 LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Pask intensity 0.7 cd/m LEDbeach optic 1 LED L Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Pask intensity 0.7 cd/m LEDbeach optic 1 LED L J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Pask intensity 0.7 cd/m LEDbeach optic 1 LED L J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Pask intensity 0.7 cd/m LEDbeach optic 1 LEDheach optic 1			
Efficiency 95% Peak intensity 0.5 coldm Light colour White Required components:	bridgelux. LED	CSP 2727 (BXCP)	<u>8</u> ,
Peak intensity 0.8 adfm LEDs/each optic 1 LED CSP 2727 (BXCP) FVHM / FWTM Asymmetric Efficiency 85% Peak intensity 0.7 adfm LEDs/each optic 1 LED J Series 2835 FVHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.7 adfm LEDs/each optic 1 LED v J Series 2835 FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.7 adfm LEDs/each optic 1 LED toolur White Required components: FORECEVED LED J Series 2835 FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.7 adfm LEDs/each optic 1 LED doub white Required components: FORECEVED LED XD16 FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.7 adfm LEDs/each optic 1 LED doub White Required components: FORECEVED LED XD16 FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.8 adfm LEDs/each optic 1 LED doub White Required components: FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.8 adfm LEDs/each optic 1 LED doub White Required components: FVHM / FVTM Asymmetric Efficiency 94% Peak intensity 0.8 adfm LEDs/each optic 1 LED Model 1 LED	FWHM / FWTM	Asymmetric	734 734
LED&each optic 1 Light colour White Required components:	Efficiency	95 %	400
Light colour White Required components: LED CSP 2727 (BXCP) FWHM /FVTTM Asymmetric ETRidency 85 % Peak intensity 0.7 coltm LEDS/each optic 1 LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components:	Peak intensity	0.8 cd/lm	.60*
Light colour White Required components: LED CSP 2727 (BXCP) FWHM /FVTTM Asymmetric ETRidency 85 % Peak intensity 0.7 coltm LEDS/each optic 1 LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components: LEDS/each optic 1 LIght colour White Required components:	LEDs/each optic	1	
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Display LD CSP 2727 (BXCP) FWHM /FVTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LDbreach optic 1 Light colour White Required components: Image: Components CFEE J Series 2835 FVHM / FVTM Asymmetric Eliciancy 94 % Peak intensity 0.7 cd/m LEDSeach optic 1 Light colour White Required components: Image: Components FVHM / FVTM Asymmetric Eliciancy 94 % Peak intensity 0.7 cd/m LEDSeach optic 1 Light colour White Required components: Image: Components FUHM / FVTM Asymmetric Elicancy 94 % Peak intensity 0.7 cd/m LEDSeach optic 1 Light colour White Required components: Image: Components Libbleach optic 1 Libbleach optic 1			
Drogelux LED CSP 2727 (BXCP) FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LEDeckech optic 1 Light colour White Required components: Protective plate, glass CRECECIED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Colour optic series CECECIED LED Alseries 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Components LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: <th></th> <th></th> <th>1000</th>			1000
Drogelux LED CSP 2727 (BXCP) FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LEDeckech optic 1 Light colour White Required components: Protective plate, glass CRECECIED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Colour optic series CECECIED LED Alseries 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Components LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: <th></th> <th></th> <th>1290</th>			1290
Drogelux LED CSP 2727 (BXCP) FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LEDeckech optic 1 Light colour White Required components: Protective plate, glass CRECECIED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Colour optic series CECECIED LED Alseries 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDPeak optic 1 Light colour White Required components: Image: Components LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: <th></th> <th></th> <th></th>			
LED CSP 2727 (BXCP) FVHM / FVTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LED2/each optic 1 LED2/each optic 1 LED2 dats.glass FVHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED2/each optic 1 Light colour White Required components: FCEE_CLED LED XD16 FVHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LED2/each optic 1 Light colour White Required components: FUHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m Efficiency 94 % Peak intensity 0.8 cd/m Efficincy 94 % Peak intensity 0.8 cd/m E			30° 115° 30°
FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: Image: Component in the im	bridgelux.		90° 90°
Efficiency 85 % Peak intensity 0.7 cd/m LED / ach of 1 Light colour White Required components: Protective plate, glass	LED	CSP 2727 (BXCP)	
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass CCEESIED LED J Series 2835 FVMM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: CCEESIED LED XD16 FVMM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	Asymmetric	75°
LEDs/each optic 1 Light colour White Required components: Protective plate, glass CCEESIED LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 04% Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: CEEESIED LED XD16 FWHM / FWTM Asymmetric Efficiency 04% Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: CEEESIED LED XD16 FWHM / FWTM Asymmetric Efficiency 04% Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:	Efficiency	85 %	
Light colour White Required components: Protective plate, glass CREECIED LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: CREECIED LED XD16 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.8 col/m LEDs/each optic 1 Light colour White Required components: CREECIED LED XD16 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.8 col/m LEDs/each optic 1 LIght colour White Required components: CREECIED LED XD16 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.8 col/m LEDs/each optic 1 Light colour White Required components: CREECIED LED 1 LED 1 LED 1 LED 2 LED 2	Peak intensity	0.7 cd/lm	60* 60*
Required components: Protective plate, glass CREE CLED LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.7 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LED XD16 FWHM / FWTM Asymmetric Efficiency 94% Peak intensity 0.8 cd/m LEDs/each optic 1 LED/each optic 1 LED/e	LEDs/each optic	1	
Protective plate, glass CECECICE LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Colspan="2">Image: Colspan="2" Image: C	Light colour	White	45* 600 45*.
CREE J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LED 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: White	Required components:		NO -
CREE J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LED 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Content of the symmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: White			\times $(\top) \times$
LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: Volte FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: Volte	Protective plate	e, glass	1000
LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: Volte FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: Volte			
LED J Series 2835 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: Volte FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components: Volte			12 ² 0 ² 10 ⁴
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:			90°
FWHM / FWIM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 LED / XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:	LED	J Series 2835	
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:			75°
LEDs/each optic 1 Light colour White Required components: Image: Components of the symptotic of the symptot of the symptotic of the symptot of the symp	Efficiency	94 %	400
Light colour White Required components: Image: Components of the second sec	Peak intensity	0.7 cd/lm	\times \times $/$ \times $/$
Required components: Image: Creece of the system of th			
Image: Creation of the symmetric LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components:		White	6° 6°
LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component (Component (Compon	Required components:		80
LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component (Component (Compon			1000
LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component (Component (Compon			\times \top \times
IED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: 1000000000000000000000000000000000000			
LED XD16 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:			
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:		YD16	90° 90°
Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:			730
Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour White Required components:			
LEDs/each optic 1 Light colour White Required components:			
Light colour White Required components:		94 %	601 601
Required components:	Peak intensity	94 % 0.8 cd/lm	65 40 60.
100	Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	40° 40° 60°.
	Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	60° 400 60°. 60° 900 60°.
	Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1	60 ⁴ 400 60 ⁴ 67 ⁴ 800 67 ⁴ 50 ⁴ 800 69 ⁴
30 ¹⁰ 1400 30 ¹⁰	Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	100
	Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1	100



		90 ⁺
LED	XQ-E HD	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	400
Peak intensity	0.9 cd/lm	X
LEDs/each optic	1	
Light colour	White	45* 810 45*
Required components:		1000
		1200
		30* 10 ⁵ 0 ⁶ 1 ⁶ 30 ⁶
LED	XQ-E HI	90* 90*
FWHM / FWTM	Asymmetric	750 750 750
Efficiency	95 %	400
Peak intensity	i cd/lm	50 ⁴ 500 50°.
LEDs/each optic	1	
Light colour	White	8 ¹
Required components:	Wille	457
required components.		1200
		90° 1600 15° 30° 30°
)S	90°
LED	LUXEON 2835 Line	
FWHM / FWTM	Asymmetric	75° 76°
Efficiency	95 %	400
Peak intensity	0.7 cd/lm	60 ⁴ 60*
LEDs/each optic	1	60
Light colour	White	45* 800 S [*]
Required components:		$X \to X$
		1000
		1200
		30*
<i>(</i>)		252 1450 15*
		90° 901
LED	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	Asymmetric	720
Efficiency	94 %	400
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	$ X \times \setminus X \times $
Light colour	White	-6°
Required components:		1000
		100
		30* 33*
		15 ⁵ 0 ⁵ 15 ⁶



	DS	901
LED	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	Asymmetric	751
Efficiency	87 %	
Peak intensity	0.7 cd/lm	50 ⁴ 400
LEDs/each optic	1	
Light colour	White	45*
Required components:		
Protective pla	te, glass	1000
		20° 20 [°] 20°
		92*
LED	LUXEON 3030 HE Plus	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	800 400
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	60
Light colour	White	45* 80
Required components:		
		800
		30*
		30*
LED	LUXEON C	and the second sec
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	1 cd/lm	60
LEDs/each optic	1	
Light colour	RGBW	-55" 1000
Required components:		1200
		1000
		30 ² 10 ³⁰
	DS	
LED	LUXEON CZ	
FWHM / FWTM	Asymmetric	20 Marine Marine
Efficiency	94 %	
Peak intensity	1.1 cd/lm	50* 500
LEDs/each optic	1	800
Light colour	RGBW	47. 1000
Required components:		220
quire componente.		
		2530
		1600



ΜΝΙCΗΙΛ		
LED	NF2W757G-MT (Tunable White)	90* 90*
EED FWHM / FWTM	Asymmetric	750 200 750
Efficiency	95 %	
Peak intensity	95 % 0.7 cd/lm	60° 400 60°
LEDs/each optic	1 Tunable White	800
Light colour Required components:		45° 45°
Required components.		
		1000
		30° 1230 30° 30°
Μ ΝΙCΗΙΛ		
LED	NEON/ZEZO NT (Turabla White)	90* 90*
ED FWHM / FWTM	NF2W757G-MT (Tunable White)	73°
Efficiency	Asymmetric 87 %	
Peak intensity	0.6 cd/lm	50* 50*
LEDs/each optic	1	
Light colour	Tunable White	
Required components:		45 60 45*
Required components.		
Protective plate	e, glass	800
		30° 15 ⁵ 0° 15° 30°
ΜΝΙCΗΙΛ		90 ⁺
LED	NFSWE11A	
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	1.2 cd/lm	60*
Peak intensity LEDs/each optic	1.2 cd/lm 1	.07
LEDs/each optic	1	.00 000 000. .00 ⁻ 00 ⁻ 00 ⁻
LEDs/each optic Light colour		6° (129) (6')
LEDs/each optic	1	6° 6° 6°
LEDs/each optic Light colour	1	60° (0° 60° (0° 60° (0°) 1200 (0°)
LEDs/each optic Light colour	1	100
LEDs/each optic Light colour Required components:	1	6° 6° 6° 129 6° 3° 129 6° 109 109 100 100 100 100 100 100 100 100
LEDs/each optic Light colour	1	100
LEDs/each optic Light colour Required components:	1 White	100
LEDs/each optic Light colour Required components:	1 White NVSxE21A	100
LEDs/each optic Light colour Required components:	1 White	90 ⁻ 20 ⁻ 2
LEDs/each optic Light colour Required components:	1 White NVSxE21A Asymmetric	100 100 100 100 100 100 100 100 100 100
LEDs/each optic Light colour Required components:	1 White NVSxE21A Asymmetric 93 %	100 100 100 100 100 100 100 100 100 100
LEDs/each optic Light colour Required components:	1 White NVSxE21A Asymmetric 93 % 0.9 cd/lm	100 100 100 100 100 100 100 100 100 100
LEDs/each optic Light colour Required components: NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White NVSxE21A Asymmetric 93 % 0.9 cd/lm 1	
LEDs/each optic Light colour Required components: NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White NVSxE21A Asymmetric 93 % 0.9 cd/lm 1	
LEDs/each optic Light colour Required components: NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White NVSxE21A Asymmetric 93 % 0.9 cd/lm 1	
LEDs/each optic Light colour Required components: NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White NVSxE21A Asymmetric 93 % 0.9 cd/lm 1	



OSRAM		
Opto Semiconductors		90* 90*
LED FWHM / FWTM	Duris S5 (2 chip)	750 750
Efficiency	Asymmetric 94 %	
	94 % 0.8 cd/lm	504 400 504
Peak intensity		X
LEDs/each optic	1 White	
Light colour Required components:	White	45* 000 45*
Required components.		1000
		1200
		20* 1400 20* 20* 20*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ C 2424	710 720
FWHM / FWTM	Asymmetric	
Efficiency	86 %	50 ⁴ 400 50*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	65* 800 65*
Required components:		
Protective plate	e. glass	
		1220
		30* 30*
		15 ⁵ 0 ⁶ 15 ⁶
OSRAM		10 ² 0 ⁴ 10 ⁴
Opto Semiconductors		90.
Opto Semiconductors	OSCONIQ C 2424 Asymmetric	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
opto Semiconductors LED FWHM / FWTM	Asymmetric	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 95 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.9 cd/lm	100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.9 cd/lm 1	100 - 00°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.9 cd/lm	er 60 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.9 cd/lm 1	40° - 60° - 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.9 cd/lm 1	80 60 60 60 60 60 60 60 60 60 60 60 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.9 cd/lm 1	80° - 80° 80° - 80° 80° 80° - 80° 80° - 80° 80° 80° - 80° 80° 80° - 80° 80° - 80° 80°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White	6° 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White	6° 00 6° 90 0° 5° 309 129 129 129
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White	90°
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White	6° 00 6° 90 0° 5° 309 129 129 129
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM	Asymmetric 95 % 0.9 cd/lm 1 White I I LH181B Asymmetric	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency	Asymmetric 95 % 0.9 cd/lm 1 White I I LH181B Asymmetric 88 %	50 50 50 50 50 50 50 50 50 50
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.9 cd/lm 1 White I I LH181B Asymmetric	
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 95 % 0.9 cd/lm 1 White I LH181B Asymmetric 88 % 0.7 cd/lm 1	
orbo 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 95 % 0.9 cd/lm 1 White I H181B Asymmetric 88 % 0.7 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 Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White LH181B Asymmetric 88 % 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 LEDs/each optic Light colour	Asymmetric 95 % 0.9 cd/lm 1 White LH181B Asymmetric 88 % 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 LEDs/each optic Light colour Required components:	Asymmetric 95 % 0.9 cd/lm 1 White LH181B Asymmetric 88 % 0.7 cd/lm 1 White	



SAMSUN	IG	THY YHI
		90* 90
	LH181B	75
FWHM / FWTM	Asymmetric 94 %	400
Efficiency Peak intensity	94 % 0.8 cd/lm	60 ⁴ 6
-		60
LEDs/each optic	1 White	X
Light colour Required components:	White	
Required components.		1000
		1200
		1400
		30* 15 ⁵ 0 ⁸ 15 ⁵ 30
SAMSUN	IG	
LED	LM101B	90* 90
ED FWHM / FWTM	Asymmetric	700 000
Efficiency	Asymmetric 94 %	400
Peak intensity	94 /o 1.1 cd/lm	60* 660 60
LEDs/each optic	1	
Light colour	White	1000
Required components:	White	1200
required components.		3430
		1600
		30* 13 ⁵ 0 ⁸ 13 ⁵ 30 ⁴
SAMSUN	IG	
		90'
LED	LM28xB Series	13 ¹ 10 ² 13 ²
LED FWHM / FWTM	LM28xB Series Asymmetric	90 ⁻ 23 ⁻ 00 ⁻ 23
LED FWHM / FWTM Efficiency	LM28xB Series Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series Asymmetric	90 ⁻⁰ 191-0 191-0 190-0 100-0 100-0 100-0 100-0 100-0 100-0 100-0 100-0 100-0 100-0 100-0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series Asymmetric 94 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1	0 ⁴ 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1	60 ⁴ 80 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1	60 ⁴ 00 00 40 ⁴ 300 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1	60° 60 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	60 ⁴ 00 00 40 ⁴ 300 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	60 ⁴ 00 00 40 ⁴ 300 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	60° 60 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	60° 60 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	60° 60 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White Vhite	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	
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	LM28xB Series Asymmetric 94 % 0.9 cd/lm 1 White	



SAMSUN	IG	90*
LED	LM301B	
FWHM / FWTM	Asymmetric	75
Efficiency	94 %	400
Peak intensity	0.8 cd/lm	80°
LEDs/each optic	1	X
Light colour	White	
Required components:		-45*
··· · · · · · · · · · · · · · · · · ·		1000
		30° 3680 15° 3
SAMSUN	IG	90°
LED	LM301B	
FWHM / FWTM	Asymmetric	750
Efficiency	87 %	
Peak intensity	0.7 cd/lm	50% 400 6
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		\times
Protective plate	e, glass	1000
		30* 15 ³ 15 ³⁰ 15* 3
		90°
LED	SEOUL DC 3030C	
FWHM / FWTM	Asymmetric	70 70 7
Efficiency	95 %	400
Peak intensity	0.8 cd/lm	604
LEDs/each optic	1	600
Light colour	White	-65° 800 4
Required components:		
		1000
		1200
		30* 3
SEOUL		157 1830 15*
SEOUL SEMICONDUCTOR		50°
LED	SEOUL DC 3030C	
FWHM / FWTM	Asymmetric	734
Efficiency	87 %	
Peak intensity	0.7 cd/lm	60° 400 1
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		\times
Protective plate	e, glass	1000
		30*



SEOUL	
	70\/40
LED FWHM / FWTM	Z8Y19
Efficiency	Asymmetric 83 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Protective plate	, glass
SEOUL SEMICONDUCTOR	
LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Drotostivo ploto	alaaa
Protective plate	, giass
SEOUL	
SEOUL SEMICONDUCTOR	
LED	Z8Y22T
FWHM / FWTM	Asymmetric
Efficiency	87 %
	01 /0
Peak intensity	0.6 cd/lm
Peak intensity LEDs/each optic	0.6 cd/lm 1
Peak intensity LEDs/each optic Light colour	0.6 cd/lm
Peak intensity LEDs/each optic	0.6 cd/lm 1
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White
Peak intensity LEDs/each optic Light colour Required components: Protective plate	0.6 cd/lm 1 White
Peak intensity LEDs/each optic Light colour Required components: Protective plate	0.6 cd/lm 1 White , glass
Peak intensity LEDs/each optic Light colour Required components: Protective plate	0.6 cd/lm 1 White , glass Z8Y22T
Peak intensity LEDs/each optic Light colour Required components: Protective plate	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric
Peak intensity LEDs/each optic Light colour Required components: Protective plate	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 %
Peak intensity LEDs/each optic Light colour Required components: Protective plate seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm
Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm 1
Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm
Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm 1
Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm 1
Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White , glass Z8Y22T Asymmetric 95 % 0.7 cd/lm 1



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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