

STRADA-IP-2X6-T2-B-90

IESNA Type II (medium) beam with minimized house side backlight. Variant with beam direction rotated 90°.

SPECIFICATION:

Dimensions	71.4 x 173.0 mm
Height	12.1 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



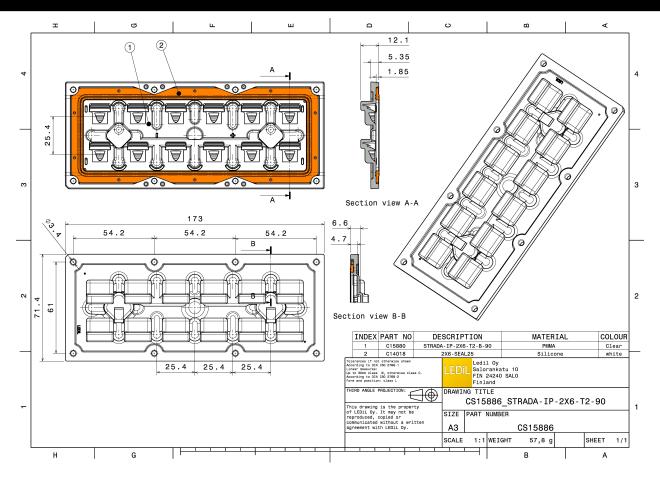
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADA-IP-2X6-T2-B-90	Multi-lens	PMMA	clear	
2X6-SEAL25	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15886_STRADA-IP-2X6-T2-B-90	Multi-lens	120	40	40	8.0
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS15886_STRADA-IP-2X6-T2-B-90



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



	QUICK FLUX 2x6 LED XG xxx G7+	90* 90*
FWHM / FWTM	Asymmetric	751 754
	94 %	20
Efficiency		60% 60%
Peak intensity	1 cd/lm	400
LEDs/each optic	1	X / T X
Light colour	White	6. d
Required compone	nts:	
		X X
		80
		30° 15° 0° 15° 30°
CODIT		
		90° 90°
LED	QUICK FLUX 2x6 LED XT xxx G5	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.1 cd/lm	40
LEDs/each optic	1	
Light colour	White	45° 000 45°
Required compone	nts:	XIX
		\times
		30° 1000 30°
		115 ³ 0 ³ 10 ³
		90° 90
LED	XP-G2	
FWHM / FWTM	Asymmetric	75° 20 70°
Efficiency	94 %	
Peak intensity	0.9 cd/lm	50* <u>400</u> 50*
LEDs/each optic	1	
Light colour		
	White	45* 600 45*
Required compone		65° 600 55 ^A
Required compone		e ² 60 e ²
Required compone		e ¹ 00 s ⁴
Required compone		67 60 57
Required compone		6°, 660 6°, 600 6°, 6°, 13°, 3°, 1000 6°, 6°, 8°, 8°, 8°, 8°, 8°, 8°, 8°, 8°, 8°, 8
CREE € LEDs	nts:	er 60 00 50° 10° 10° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
CREE ÷ LEDs LED	XP-G2	er 90 90 90 90 90 90 90 90 90 90
CREE LED FWHM / FWTM	XP-G2 Asymmetric	er
CREE LED FWHM / FWTM Efficiency	XP-G2 Asymmetric 94 %	e ² 60 60 100 100 100 100 100 100 100 1
CREE LED FWHM / FWTM Efficiency Peak intensity	XP-G2 Asymmetric 94 % 1.1 cd/lm	60° 60° 50° 60° 60° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 1.1 cd/lm 1	200 200 200 200 200 200 200 200
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	6° 60 6° 6° 60 6°
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	200 200 200 200 200 200 200 200
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	200 200 200 200 200 200 200 200
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	20 ¹ 20 ²
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 Asymmetric 94 % 1.1 cd/lm 1 White	20 ¹ 20 ² 0 ¹ 20 ² 0



LED	XP-L2	90° 90°
FWHM / FWTM	Asymmetric	28
Efficiency	94 %	
Peak intensity	0.8 cd/m	60° 60°
LEDs/each optic	1	
Light colour	White	X / / X
Required componer		
Required componer	no.	600
		\times / \setminus \times
		200
		30° 15° 0° 15° 30°
LED	XT-E HE	20°-
FWHM / FWTM	Asymmetric	750 770
Efficiency	94 %	
Peak intensity	1.1 cd/lm	60 ⁶ 60 ⁶
LEDs/each optic	1	
Light colour	White	
Required componer		
i toquiroù componei		30
		\times / \times
		1000
		30° 15° 30°
LUMIL	EDS	
		90° 90°
LED	LUXEON 5050 Round LES	191
LED FWHM / FWTM	LUXEON 5050 Round LES Asymmetric	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm	90* 90* 325
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White	6 ⁴ 6 ⁴ 6 ⁴ 6 ⁴ 6 ⁴ 6 ⁴ 6 ⁴ 6 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts: EDS LUXEON V Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts: EDS LUXEON V Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts: EDS LUXEON V Asymmetric 92 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer Ketter Componer Equired componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts: EDS LUXEON V Asymmetric 92 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Mequired componer Equired componer Component Required componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer Ketter Componer Equired componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Mequired componer Equired componer Component Equired componer Required componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Mequired componer Equired componer Component Required componer Required componer	LUXEON 5050 Round LES Asymmetric 94 % 0.7 cd/lm 1 White hts:	



MST Your soluti		
	Ins	90* 90*
LED	RecLED 146x45mm 2900lm 730 2x6 IP G1	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	96 %	
Peak intensity	1.1 cd/lm	604 604
LEDs/each optic	1	400
Light colour	White	
Required componer		45* 6%
Required componer	15.	\times / / \times
		800
		X X
		30° 15 ⁵ 1000 10° 30°
ØNICHIA		
		90° 90°
LED	NVSW219D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50 50
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 600 45
Required componer	ts:	
		30° 30°
<i>~</i>		15°
ØNICHIA		90* 90*
LED	NVSW219F	
FWHM / FWTM	Asymmetric	75°
Efficiency		
	94 %	
Peak intensity	94 % 1 cd/lm	60 ⁴ 60 ⁴
		50
Peak intensity	1 cd/lm	er
Peak intensity LEDs/each optic	1 cd/lm 1 White	57 - 60 - 67
Peak intensity LEDs/each optic Light colour	1 cd/lm 1 White	60 60 60 6 ¹ 00 6 ¹
Peak intensity LEDs/each optic Light colour	1 cd/lm 1 White	67 <u>00</u> 67
Peak intensity LEDs/each optic Light colour	1 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour	1 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts:	65 60 60 65 60 90 90 90 90 90 90 90 90 90 9
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 % 0.9 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	52 ³ 200 23 ²
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	52° 260° 13°
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	52° 260° 13°
Peak intensity LEDs/each optic Light colour Required componer	1 cd/lm 1 White ts: NVSW319B Asymmetric 94 % 0.9 cd/lm 1 White	52° 260° 13°



Mauri		
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW3x9A Asymmetric 94 % 0.9 cd/lm 1 White	
Ø NICHIA		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW3x9A Asymmetric 94 % 0.9 cd/lm 1 White	97 97 75 65 65 65 60 60
		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW519A Asymmetric 95 % 0.8 cd/lm 1 White	91 ¹ 51 ¹ 61 ¹ 60 60 60 60 60 60 60 60 60 60
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 1.2 cd/lm 1 White hts:	



PHILIF	S	90' 90
LED	Fortimo FastFlex LED 2x6 DP G4	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.1 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 600 45
Required compone	nts:	840
		\times / T \setminus \times
		1000
		30° 15 ⁵ 0° 15° 30'
SNMSI	ING	90* 99
LED	HILOM RH12 (LH351C)	
FWHM / FWTM	Asymmetric	75° 75
Efficiency	94 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	460
Light colour	White	45* 45
Required compone	nts:	200
		X X
		000
		300 300
SAMSI	ING	
	HiLOM RM12 ZP (LH502C)	90° 90'
LED FWHM / FWTM	Asymmetric	75* 75
Efficiency	95 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	460
Light colour	White	63' 65'
Required compone	nts:	660
		800
		30° 15° 10% 15° 30'
SCIO	1 X	
SCIO		
LED	ROY-S26XPL2 (XP-L2)	50°
LED FWHM / FWTM	ROY-S26XPL2 (XP-L2) Asymmetric	50°
LED FWHM / FWTM Efficiency	ROY-S26XPL2 (XP-L2) Asymmetric 94 %	90° 90 30° 90 80° 00 80° 00
LED FWHM / FWTM Efficiency Peak intensity	ROY-S26XPL2 (XP-L2) Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	ROY-S26XPL2 (XP-L2) Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	ROY-S26XPL2 (XP-L2) Asymmetric 94 % 0.8 cd/lm 1 White	60' 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	ROY-S26XPL2 (XP-L2) Asymmetric 94 % 0.8 cd/lm 1 White	60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	ROY-S26XPL2 (XP-L2) Asymmetric 94 % 0.8 cd/lm 1 White	60 ⁴



SCIO	LUX	90*	1
LED	XLE-S22C4XTEHE (XT-E HE)	307	90*
FWHM / FWTM	Asymmetric	75*	75-
Efficiency	94 %		
Peak intensity	1.1 cd/lm	. 50 ⁴	60*
LEDs/each optic	1		X
Light colour	' White	45° 640	
Required component			4
i toquiloù compone			
		\times	X
		1000	
		30° 15° 0° 13°	30*
SCIO	LUX		
LED	XLE-S26XHP35 (XHP35 HD)		_ Î
FWHM / FWTM	Asymmetric	754	75*
Efficiency	94 %	23	\rightarrow
Peak intensity	0.7 cd/lm	60°	60*
LEDs/each optic	1		\sim
Light colour	White	45* 400	45*
Required compone			$\mathbf{\nabla}$
			\prec
		600	$\langle \rangle$
		\times / \	X
		30° 15° 0° 15°	30*
		90°	90°
SEOUL SEMICONDUCTOR	SMJQ-D36W12Mx	50°	90°
seoul semiconductor	SMJQ-D36W12Mx Asymmetric	8 ⁴	90°
seoul semiconductor LED FWHM / FWTM	SMJQ-D36W12Mx Asymmetric 93 %	5	90*
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric	5	99° 75° 60°
seoul semiconductor LED FWHM / FWTM	Asymmetric 93 %	5	90* 75* 60%
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 1 cd/lm	5	9° 77. 6°.
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	94 98 601
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	8 ¹
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	95° 72° 60°.
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	95 ⁴ 97 07
stoul stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	99 ⁴
seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	91 70 70 70 70 70 70 70 70 70 70 70 70 70
stoul stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 93 % 1 cd/lm 1 White	25 05 00	91 ⁴ 81 ⁴ 8
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SEOUL SEMICONDUCTOR	Asymmetric 93 % 1 cd/lm 1 White hts:	25 05 00	95°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SEOUL SEMICONDUCTOR LED	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px		91 ⁴ 92 ⁴ 07 92 ⁴
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SEOUL SEMICONDUCTOR LED FWHM / FWTM	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric		91 ⁴ 91 ⁴ 01 ⁴ 91 ⁴ 91 ⁴ 91 ⁴
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 %		91 ⁴ 92 ⁴ 0 ⁴ 91 ⁴ 9
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 % 1 cd/lm 1 White		91 92 07 97 97 97 97 97 97 97 97 97 97 97 97 97
seoul semiconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 % 1 cd/lm 1 White		91 92 68 07 07 07 07 07
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 % 1 cd/lm 1 White		95 ⁴ 97 97 97 97 97 97 97 97
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 % 1 cd/lm 1 White		91 ⁴ 92 03 03 03 04 04 05
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1 cd/lm 1 White hts: SMJQ-D36W12Px Asymmetric 94 % 1 cd/lm 1 White		91 ⁴ 91 ⁴ 9



su unamente ED ZM3 WHM /FWTM Asymmetric Efficiency 94% reak intensity 0.9 cd/m EDS/each optic 1 ight colour White required components:			
ED 25M3 WHM /FVTM Asymmetric fifticincy 94 % 1 3ght colour White tequired components Edwardshoptic 1 3ght colour White tequired components ED 28/22 WHM /FVTM Asymmetric fifticincy 93 % Yeak intensity 1 cd/lm ED/seak optic 1 3ght colour White ED RLE 2x6 3000lm HP EXc2 OTD WHM /FVTM Asymmetric fifticincy 94 % Yeak intensity 1 cd/lm ED RLE 2x6 3000lm HP EXc2 OTD WHM /FVTM Asymmetric fifticincy 94 % Yeak intensity 1 cd/lm ED Seach optic 1 Sifticincy 94 % Yeak intensity 1 cd/lm ED Seach			51
WHM / FVTM Asymmetric fficiency 94 % Yeak intensity 0.9 cd/lm ED/seach option ED 28/y22 WHM / FVTM Asymmetric fficiency 93 % Yeak intensity 1 cd/lm ED/seach optio 1 ight colour White tequired components: ED 28/y22 WHM / FVTM Asymmetric fficiency 93 % Yeak intensity 1 cd/lm ED/seach optio 1 ight colour White tequired components: ED RLE 2x6 3000lm HP EXC2 OTD WHM / FVTM Asymmetric fficiency 94 % Yeak intensity 1.1 cd/lm ED/seach optio 1 ight colour White Heak intensity 1.1 cd/lm ED/seach optio 1 ight colour White	LED	Z5M3	5
ifficiency 94 % Peak Intensity 0.9 cd/m EDs/each optic 1 ight colour White Required components:	FWHM / FWTM		71
Peak intensity 0.9 cd/lm EDs/each optic 1 light colour While tequired components:	Efficiency		
EDs/each optic 1 ight colour White Required components: ED ZY2 WHM /FVTM Asymmetric ifficiency 93% reak intensity 1 cd/m EDs/each optic 1 ight colour White Required components: ETERDENICE ED RLE 2x6 3000m HP EXC2 OTD WHM / Symmetric ifficiency 94% reak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components: ETERDENICE ED RLE 2x6 3000m HP EXC2 OTD WHM / Symmetric ight colour White Required components: ETERDENICE ED RLE 2x6 3000m HP EXC2 OTD WHM / Symmetric ight colour White Required components: ETERDENICE ED RLE 2x6 3000m HP EXC2 OTD ETERDENICE ED RLE 2x6 3000m HP EXC2 OTD ETERDENICE			
ight colour White tequired components: Will (Components) ED ZBY22 WHM / FVTM Asymmetric ifficiency 93% reak intensity 1 cd/m EDS/each optic 1 ight colour White tequired components: ED RLE 2x6 3000m HP EXc2 OTD WHM / FVTM Asymmetric ifficiency 94% reak intensity 1.1 cd/m EDS/each optic 1 ight colour White tequired components: ED RLE 2x6 3000m HP EXc2 OTD WHM / FVTM Asymmetric ifficiency 94% reak intensity 1.1 cd/m EDS/each optic 1 ight colour White tequired components:			
Required components:			5
ED Z8Y22 WHM / FWTM Asymmetric Bricency 93% reak intensity 1 cd/m EDs/each optic 1 ight colour White tequired components:		nts:	00
DOUBLING STATES AND			
DOUBLING STATES AND			80
DOUBLING STATES AND			30"
versions ED Z9Y2 WHM / FWTM Asymmetric fifciency 33 % Peak intensity 1 cd/in EDs/each optic 1 ight colour White tequired components: ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric ifficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White tequired components:			3 ¹⁰ 12 ¹ 12 ¹
ED Z8Y22 WHM / FWTM Asymmetric fficiency 33 % Peak intensity 1 cd/m EDs/each optic 1 ight colour White Required components:			84
WHM / FWTM Asymmetric ifficiency 93 % Peak intensity 1 cd/lm EDs/each optic 1 ight colour White Required components:	LED	Z8Y22	
ifficiency 93 % Peak intensity 1 cd/lm EDS/each optic 1 ight colour White tequired components:	FWHM / FWTM	Asymmetric	70
reak intensity 1 cd/m EDS/each optic 1 ight colour White Required components:	Efficiency		
ight colour White Required components:	Peak intensity	1 cd/lm	
Required components:	LEDs/each optic	1	
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDS/each optic 1 ight colour White Required components: Image: Component State	Light colour	White	
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components:	Required compone	nts:	50
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components:			
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components:			
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components:			30.0
ED RLE 2x6 3000Im HP EXC2 OTD WHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components:			
WHM / FWTM Asymetric Efficiency 94 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components:	IRIDOR		90*
Efficiency 94 % Peak intensity 1.1 cd/lm EDs/each optic 1 light colour White Required components:	LED	RLE 2x6 3000lm HP EXC2 OTD	
Peak intensity 1.1 cd/lm EDs/each optic 1 light colour White Required components:	FWHM / FWTM		
LEDs/each optic 1 .ight colour White Required components:	Efficiency		
Light colour White Required components:	Peak intensity		
Required components:	LEDs/each optic		
2009			6° (
	Required compone	nts:	80
2009 20* 20* 25*			\times
30° 22 0° 251			1000
			30, 412, 0, 137



		90° 90°
LED	XP-G2 HE	736
FWHM / FWTM	Asymmetric	
Efficiency	93 %	504 504
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	45*
Required components:		640
		30* <u>500</u> 30* <u>17</u> * 30*
		90* 90*
	XP-G3	75*
FWHM / FWTM	Asymmetric	
Efficiency	93 %	504
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	\times / / \top \setminus \times
Light colour	White	45*
Required components:		600
		\times
		800
		30*
		11 ² 0 ⁶ 13 ⁵
		90* 90*
LED	XP-L HD	
FWHM / FWTM	Asymmetric	730 700
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic		
	1	400
		40
Light colour	1 White	40 40 40
		40 -67 - 69
Light colour		-6° -00 -00
Light colour		6° 60 60
Light colour Required components:		40 67 60 60 60 60 60 60 60 60 60 60 60 60 60
Light colour		20° 12° 0° 12° 20°
Light colour Required components:	White	40 67 60 60 60 60 60 60 60 60 60 60 60 60 60
Light colour Required components:	White XT-E	40 67 60 70 60 70 60 70 70 70 70 70 70 70 70 70 7
Light colour Required components:	White XT-E Asymmetric	
Light colour Required components: CREE LED FWHM / FWTM Efficiency	White XT-E	40 40 40 40 40 40 40 40 40 40
Light colour Required components: CREE LED FWHM / FWTM Efficiency LEDs/each optic	White XT-E Asymmetric 94 % 1	
Light colour Required components:	White XT-E Asymmetric 94 %	40 40 40 50 60 60 60 60 60 60 60 60 60 6
Light colour Required components: CREE LED FWHM / FWTM Efficiency LEDs/each optic	White XT-E Asymmetric 94 % 1	
Light colour Required components:	White XT-E Asymmetric 94 % 1	
Light colour Required components:	White XT-E Asymmetric 94 % 1	
Light colour Required components:	White XT-E Asymmetric 94 % 1	



CREE ≑		
LEDS	XT-E	90* 90*
LED FWHM / FWTM		750 750
	Asymmetric 93 %	
Efficiency	93 % 0.7 cd/lm	60*
Peak intensity		400
LEDs/each optic	1	
Light colour Required components:	White	43+ 600 43+
Required components:		\times / \times
		800
		\times / \times
		30* 15 ⁵ 1890 15* 30*
	5	
LED	LUXEON V2	90* 90*
ED FWHM / FWTM		75° 75°
Efficiency	Asymmetric 93 %	24
Peak intensity	95 % 0.7 cd/lm	60° 60°
LEDs/each optic	1	400
Light colour	White	
Required components:	white	40°
Required components.		\times / \times
		800
		\times / \setminus \times
		30* 30*
		15 - 1800 - 10*
ØΝΙCΗΙΛ		
		20° 20° 20° 20°
LED	NFMW48xA Asymmetric	
LED FWHM / FWTM	Asymmetric	20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
LED FWHM / FWTM Efficiency	Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	23° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm	13 ² 35 ² 15 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	23° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	23° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	23° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1	13° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1	13° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White	13° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM	13° 33° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: EXAMPLANCE EXAMPLANCE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: EXAMPLANCE EXAMPLANCE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White NV4WB35AM Asymmetric 93 % 0.6 cd/lm 1	



OSRAM		90°
LED	PrevaLED Brick HP IP 2x6	y y
FWHM / FWTM	Asymmetric	73°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	1	40
Light colour	' White	10° 00°
Required components:	White	45* 45*
		30* 13 ⁵ 0° 15* 30*
OSRAM Opto Semiconductors		
Opto Semiconductors	Duris S8	90*
FWHM / FWTM	Asymmetric	75° 75°
Efficiency	94 %	() and)
Peak intensity	0.6 cd/lm	.60 ⁴ 604
LEDs/each optic	1	400
Light colour	' White	$X / T \land X$
Required components:	Wille	G'
Required components.		600
		\times / \times
		800
		30° 30°
		23 9 29
DHILIDS		
PHILIPS		
LED	Fortimo FastFlex LED 2x6 DPX G4	
LED FWHM / FWTM	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric	
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White G LH351B Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White G LH351B Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White G LH351B Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White LH351B Asymmetric 94 % 0.8 cd/lm 1	
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	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White G LH351B Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White LH351B Asymmetric 94 % 0.8 cd/lm 1	
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	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White LH351B Asymmetric 94 % 0.8 cd/lm 1	
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	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White LH351B Asymmetric 94 % 0.8 cd/lm 1	
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	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 93 % 0.7 cd/lm 1 White LH351B Asymmetric 94 % 0.8 cd/lm 1	



SAMSUN	IG	90* 90*
LED	LH351C	
FWHM / FWTM	Asymmetric	750 5 770 780
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60 ⁴
LEDs/each optic	1	400
Light colour	White	
Required components:	White	45* 60 45*
Required components.		
		800
		\times / \setminus \times
		30* 13°
SAMSUN	16	
		90* 90*
LED	LH351C	710
FWHM / FWTM	Asymmetric	
Efficiency	95 %	60* 60*
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 600 45*
Required components:		
		800
		30* 15° 0° 15° 30°
SAMSUN	10	
		90* 90*
LED	LH351D	740
FWHM / FWTM	Asymmetric	
Efficiency		
-	94 %	60* 60*
Peak intensity	0.7 cd/lm	er.
Peak intensity LEDs/each optic	0.7 cd/lm 1	£0° - 60°.
Peak intensity LEDs/each optic Light colour	0.7 cd/lm	6° 6°
Peak intensity LEDs/each optic	0.7 cd/lm 1	6 ³ 6 ³
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1	6)* 60* 60* 60*
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1	60° 60°
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1	60° 60° 60° 60° 60° 60° 60° 60°
Peak intensity LEDs/each optic Light colour Required components:	0.7 cd/lm 1 White	00
Peak intensity LEDs/each optic Light colour Required components:	0.7 cd/lm 1 White	00
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED	0.7 cd/lm 1 White	00
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	0.7 cd/m 1 White G LH502C Asymmetric	<u>80</u> <u>90</u> <u>15</u> <u>00</u> <u>15</u> <u>00</u> <u>15</u> <u>80</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u>
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	0.7 cd/m 1 White G LH502C Asymmetric 94 %	<u>80</u> <u>90</u> <u>15</u> <u>00</u> <u>15</u> <u>00</u> <u>15</u> <u>80</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u>
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	0.7 cd/lm 1 White G LH502C Asymmetric 94 % 0.6 cd/lm	<u>80</u> <u>90</u> <u>15</u> <u>00</u> <u>15</u> <u>00</u> <u>15</u> <u>80</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u>
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.7 cd/lm 1 White C LH502C Asymmetric 94 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White G LH502C Asymmetric 94 % 0.6 cd/lm	90 ⁺ 00 90 ⁺ 25 ⁰ 0 ⁺ 25 ⁻ 30 ⁺
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.7 cd/lm 1 White C LH502C Asymmetric 94 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White C LH502C Asymmetric 94 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White C LH502C Asymmetric 94 % 0.6 cd/lm 1	



	LH508A Plus	90° 90°
FWHM / FWTM	Asymmetric	730
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	40
Light colour	White	45* 63*
Required components:		610
		30* 15 ⁵ 0 ⁶ 10* 30 ⁴
SAMSUN	IG	<u>90*</u>
LED	LM301D	
FWHM / FWTM	Asymmetric	734 70 774
Efficiency	94 %	
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	45 ⁺ 5 ⁺
Required components:		
		800
		30* 30*
SEOUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	Z5M4	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	50* 50*
Peak intensity	0.8 cd/lm	400
LEDs/each optic		
	1	
Light colour	White	er <u>ee</u> e?
Light colour Required components:		\$ ⁷ 0 ¹⁰
		47° 60 47°
		4 [°] 90 4 [°]
		20 ⁵ 000 07 ¹
Required components:		20° 20° 20° 20° 20°
Required components:	White	91°
Required components:	White Z5M4	
Required components:	White Z5M4 Asymmetric	
Required components:	White Z5M4 Asymmetric 95 %	
Required components: scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	White Z5M4 Asymmetric 95 % 0.8 cd/lm	
Required components: stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Z5M4 Asymmetric 95 % 0.8 cd/lm 1	
Required components: stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Z5M4 Asymmetric 95 % 0.8 cd/lm	
Required components: stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Z5M4 Asymmetric 95 % 0.8 cd/lm 1	
Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Z5M4 Asymmetric 95 % 0.8 cd/lm 1	
Required components: store static on the state of the st	White Z5M4 Asymmetric 95 % 0.8 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:

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