

PRODUCT DATASHEET CS14144_STRADA-IP-2X6-ME

STRADA-IP-2X6-ME

Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173.0 mm
Height	8.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



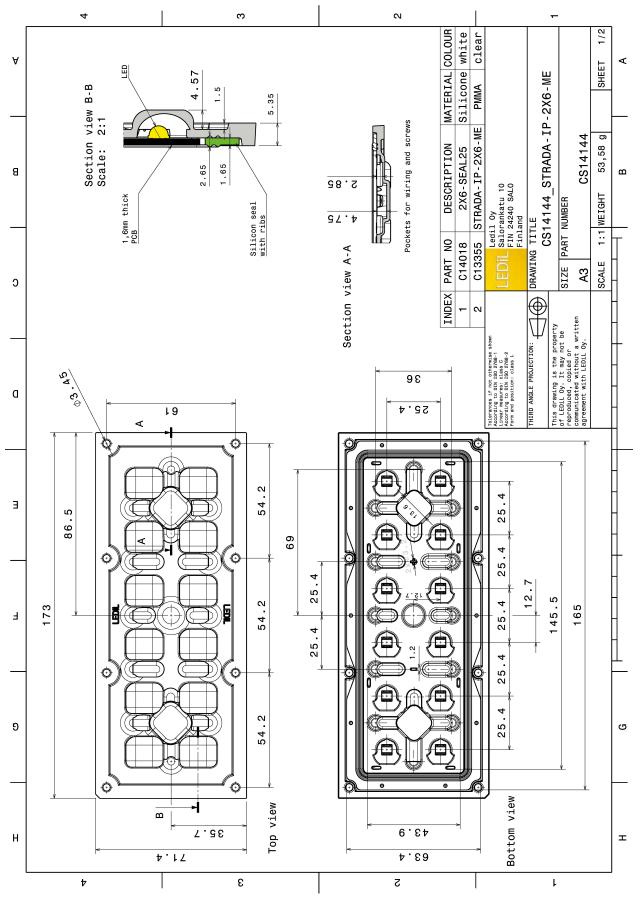
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14144_STRADA-IP-2X6-ME	Multi-lens	120	40	40	7.3
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS14144_STRADA-IP-2X6-ME



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



bridgelux.		90°
LED	Bridgelux SMD 5050	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	200
Peak intensity	0.6 cd/lm	60*
LEDs/each optic	1	
Light colour	White	5° 6°
Required component	nts:	
		50
		660
		30° 35° 30° 30°
CONET		90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	3
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	200
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45'
Required component		40
		50
		600
		30° 15° 86 15° 30°
CONET		90* 90*
	QUICK FLUX 2x6 LED XT xxx G5	Pr. 99
LED	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric	94 95 10 95 17 10 17 17 17 17 17 17 17 17 17 17 17 17 17
LED FWHM / FWTM	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric 94 %	50° 50°
LED FWHM / FWTM Efficiency	Asymmetric 94 %	94 75 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	94 997 274 997 204 997 200 997 200 997
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White	5° 40 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White nts:	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White nts:	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-G2	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM	Asymmetric 94 % 0.8 cd/lm 1 White nts:	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE (LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-G2 Asymmetric 94 %	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White Ints: XP-G2 Asymmetric	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.8 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White Ints: XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White Ints: XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White Ints: XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White I White XP-G2 Asymmetric 94 % 0.8 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



		90° 90°
LED	XP-L HD	3
FWHM / FWTM	Asymmetric	150 75°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	.60 ⁴ 200 60 ⁴
	1	
LEDs/each optic	u White	X 30
Light colour		(6°)
Required compone	nts:	400
		\times
		30* 15 ² 0 ⁶ 15 ² 30*
		90* 90*
LED	XP-L2	75* 100 75*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	.50 ⁴ - 210 - 60 ⁴
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	nts:	
		500
		30°
		20 12 ⁰ 0 ⁰ 15 ⁰
	2	90* 90*
LED	XT-E	
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency	Asymmetric 93 %	200 77
Efficiency	93 %	
Efficiency Peak intensity	93 % 0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic	93 % 0.8 cd/lm 1 White	6°. 60 6°.
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	250 250 250 250 250 250 250 250 250 250
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	20
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts: XT-E HE	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts: XT-E HE Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED EWHM / FWTM Efficiency	93 % 0.8 cd/lm 1 White nts: XT-E HE Asymmetric 94 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity	93 % 0.8 cd/lm 1 White nts: XT-E HE Asymmetric 94 % 0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93 % 0.8 cd/lm 1 White nts: XT-E HE Asymmetric 94 % 0.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White NT-E HE Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	93 % 0.8 cd/lm 1 White NT-E HE Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White NT-E HE Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White NT-E HE Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White NT-E HE Asymmetric 94 % 0.8 cd/lm 1 White	



		90* 0r*
LED	EHP-2x6-IP-3535	
FWHM / FWTM	Asymmetric	75°
Efficiency	95 %	200
Peak intensity	0.8 cd/lm	.60* 60*
LEDs/each optic	1	400
Light colour	White	45'
Required compone		\times
		600
		\times / \mid \setminus \times
		800
** =0		30° 15' 0° 10' 30°
		80. 90.
LED	EHP-2x6-IP-5050	9
FWHM / FWTM	Asymmetric	100 #0
Efficiency	96 %	200
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	nts:	500
		30° 700 30°
UMIL	EDS	90° 90°
		Cy l
LED	LUXEON T	74 5 100 74
FWHM / FWTM	Asymmetric	200
FWHM / FWTM Efficiency	Asymmetric 96 %	200 200 60 ⁵ 600
FWHM / FWTM Efficiency LEDs/each optic	Asymmetric 96 % 1	200 200 60 ⁴ 000 000 000
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 96 % 1 White	20 20 60 ⁴ 60 ⁴
FWHM / FWTM Efficiency LEDs/each optic	Asymmetric 96 % 1 White	210 200 61° 600 60°
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 96 % 1 White	25 <u>40</u> 65 <u>40</u> 70 70 70 70 70 70 70
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 96 % 1 White	20 01 01 01 01 00 00 00 00 00 00 00 00
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 96 % 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	Asymmetric 96 % 1 White nts:	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	Asymmetric 96 % 1 White nts:	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	Asymmetric 96 % 1 White nts: EDS LUXEON V	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone COMPUTE LED FWHM / FWTM Efficiency	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 %	20
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone COMPARENT LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Composed Required compone Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Compose Equired compone Compose Required compone Compose Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1 White	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Composed Required compone Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Compose Equired compone Compose Required compone Compose Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Compose Equired compone Compose Required compone Compose Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Composition Equired compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 White nts: EDS LUXEON V Asymmetric 93 % 0.6 cd/lm 1 White	



UMIL	EDS	THY YHI
		90* 90
LED FWHM / FWTM	LUXEON XR-TX (L2T0-xxyy012M) Asymmetric	752
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60
LEDs/each optic	1	
Light colour	White	400 K
Required compone		
		000
		700
		30° 15 ⁵ 0° 15° 30
MST Your solut	ons	90* 90
LED	RecLED 146x45mm 2900lm 730 STRADA-IP-2x6 G1	
FWHM / FWTM	Asymmetric	750 75
Efficiency	96 %	
Peak intensity	0.9 cd/lm	.00 ⁴ 60
LEDs/each optic	1	
Light colour	White	45* 45
Required compone		
		000
		\times / \times
		15 ⁵ 0 ⁶ 10 ⁴
MNICHIA	х	90*
LED	NVSW219D	and a second sec
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	
LINCIENCY	94 %	
	94 % 0.7 cd/m	£3 ¹⁴ 200 60
Peak intensity LEDs/each optic	0.7 cd/lm 1	£)* 200 6) 300
Light colour	0.7 cd/lm 1 White	gr 200 e
Peak intensity LEDs/each optic	0.7 cd/lm 1 White	6. 6. 60 60 60 60 60 60 60 60 60 60 60 60 60
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White	61 200 60 300 400 500
Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component	0.7 cd/lm 1 White hts:	
Peak intensity LEDs/each optic Light colour Required component	0.7 cd/m 1 White hts:	
Peak intensity LEDs/each optic Light colour Required component MICHIA	0.7 cd/lm 1 White hts: NVSW219F	
Peak intensity LEDs/each optic Light colour Required componer	0.7 cd/m 1 White hts: NVSW219F Asymmetric	
Peak intensity LEDs/each optic Light colour Required component MICHIN LED FWHM / FWTM Efficiency	0.7 cd/m 1 White hts: NVSW219F Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required component MICHINA LED FWHM / FWTM Efficiency Peak intensity	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm	
Peak intensity LEDs/each optic Light colour Required component Minimum Component Required component Required component Secondary Secondary LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required component Microsoft LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component Minimum Component Required component Required component Secondary Secondary LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.7 cd/lm 1 White hts: NVSW219F Asymmetric 94 % 0.7 cd/lm 1 White	



				A.Y	Y-+-T
			90*	- En	90*
LED FWHM / FWTM	NVSW319B		.25*	$\langle \rangle$	100 75*
Efficiency	Asymmetric 94 %			\mathcal{N}	
Peak intensity	94 /8 0.7 cd/lm		504		200 60*
LEDs/each optic	1		×	\sim	
Light colour	White		.55*	$\sim \Gamma$	
Required compone			~	\square	100
			\rightarrow		80
			100		500
				<u> </u>	0 ⁶ 10 ⁶
			90*		90*
LED	NVSW3x9A		-		
FWHM / FWTM	Asymmetric			SXI	
Efficiency	94 %		504	$\langle \mathcal{A} \rangle$	60*
Peak intensity LEDs/each optic	0.7 cd/lm		\sim	$\times \uparrow$	
Light colour	1 White		_		
Required compone			45*	M.	×0
			7		200
			\times		no t
			(30°	255	0° 10° 30°
			96*	THY.	96*
LED	NVSW519A			3	
FWHM / FWTM	Asymmetric		.75°	\sim	
Efficiency	96 %		514	$\langle \rangle$	x00
Peak intensity	0.7 cd/lm			$\times \nearrow$	
LEDs/each optic	1		\rightarrow	$\langle \mathcal{A} \rangle$	
Light colour	White		45*		63*
Required compone	nts:			$\times T$	80
			Z		100
			30*	155	0° 15° 30°
Ø NICHI∧			90*	THY	
LED	NVSxx19B/NVSxx19C			3	
FWHM / FWTM	Asymmetric		75%	\leq	78°
Efficiency	96 %			$\times \chi$	
Peak intensity	0.8 cd/lm		50°	XN	~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
LEDs/each optic	1	and the second se		\times /	
Light colour	White		45*	The.	45*
Required compone	nts:			1	
				1 To	
			\rightarrow		no X



OCDAM		
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	730 770
Efficiency	94 %	
Peak intensity	0.9 cd/im	50* 60*
LEDs/each optic	1	
Light colour	u White	
Required component		et. 000 et.
Required component	115.	500
		000
		30° 700 30° 15° 30°
OSRAM Opto Semiconductors		90°
LED	OSLON Square PC	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	94 %	
Peak intensity	0.9 cd/im	604 604
LEDs/each optic	1	
Light colour	White	45° 400 45°
Required compone		
noquirou compone		
		30° 700 30° 30° 30°
PHILIP	S	21 ⁶
LED		
	Fortimo FastFlex LED 2x6 DP G4	
	Fortimo FastFlex LED 2x6 DP G4 Asymmetric	13. Jun 73.
FWHM / FWTM	Asymmetric	72*
FWHM / FWTM Efficiency	Asymmetric 94 %	200
FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm	29- 64- 200 200 64- 64- 64-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	1751 100 75° 004 200 100 100 100 1005 100 100 100 100 1005 100 100 100 100 1005 100 100 100 100 1005 100 100 100 100 100 1005 100 100 100 100 100 100 1005 100 100 100 100 100 100 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White	20 20 CT
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White nts:	200 200 200 200 200 200 200 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White nts:	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White Its:	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.8 cd/lm 1 White hts: Fortimo FastFlex LED 2x6 DP G5	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLIC LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 %	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLIP EDF FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm 1 White	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Ephenetic FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLIP EDF FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLIP EDF FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White Ints: S Fortimo FastFlex LED 2x6 DP G5 Asymmetric 96 % 0.8 cd/lm 1 White	



SAMSL		90* 90*
LED	HiLOM RH12 (LH351C)	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	50° 60°
LEDs/each optic	1	400
Light colour	White	45*
Required componer	ts:	
		600
		\times $ $ $ $ \times
		30° <u>15</u> ⁵ 0° 15° 30°
SCIO	LUX	NY M
LED	ROY-S26XPL2 (XP-L2)	90° 90°
EED FWHM / FWTM	Asymmetric	75* 100 78*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50* 60*
LEDs/each optic	1	
Light colour	White	
Required componer		
		500
		30° 19 ³ 700 15° 30°
SCIO	LUX	94
LED	XLE-S22C4XTEHE (XT-E HE)	
FWHM / FWTM	Asymmetric	75*
I Efficiency	94 %	200
Efficiency Peak intensity	94 % 0.8 cd/m	60° (200
Peak intensity	0.8 cd/lm	a ¹ 20 67
Peak intensity LEDs/each optic	0.8 cd/lm 1	
Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	6° 60 6°
Peak intensity LEDs/each optic	0.8 cd/lm 1 White	61° 600 60°
Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	.e.*
Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	61° 200 607 00 200 700 00 70
Peak intensity LEDs/each optic Light colour Required componer	0.8 cd/lm 1 White ts:	61 ⁻ 67 ⁻ 60
Peak intensity LEDs/each optic Light colour Required componer	0.8 cd/lm 1 White ts:	er
Peak intensity LEDs/each optic Light colour Required component	0.8 cd/lm 1 White ts: LUX	
Peak intensity LEDs/each optic Light colour Required component	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD)	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric	Xi Xii
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 %	51 21 21 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ts: LUX XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.6 cd/lm 1 White	



Г		
SEOUL SEMICONDUCTOR LED FWHM / FWTM	2x6 5050 module - SMJD-3625012F-XX Asymmetric	121 100 25°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50 ⁴ 80 ⁴
LEDs/each optic	1	
Light colour	u White	
Required compone		45* 400 45*
Required compone	116.	50
		30° <u>25'</u> <u>80</u> <u>15'</u> 30°
		90° 90°
LED	SMJQ-D36W12Mx	2 mg
FWHM / FWTM	Asymmetric	772 772
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60*
LEDs/each optic	1	400
Light colour	White	45* 45*
Required compone		
SEOUL SEMICONDUCTOR		80°
LED	SMJQ-D36W12Px	
FWHM / FWTM	Asymmetric	75 77 77
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60*
LEDs/each optic	1	
Light colour	White	65 65
Required compone	nts:	50 60 70 30* 55 ⁴ 00° 15 ⁴ 35 ⁴
SEOUL		
SEOUL SEMICONDUCTOR	Z5M3	70° 90°
LED FWHM / FWTM	Asymmetric	254 500 - 95*
Efficiency	96 %	
Peak intensity	90 /% 0.7 cd/lm	50* 50*
LEDs/each optic	1	
Light colour	White	6°* 100 6°*
Required compone		45°
		30° <u>15</u> ° 0° 15° 30°



SEOUL SEMICONDUCTOR		54* 55*
LED	Z8Y22	750 770
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60* 60*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	40
Light colour	White	45* 45*
Required compone	nts:	600
		\times / \times
		80
		30° 10 10° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22P	75* 100. 75*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	694
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	40
Light colour	White	45° 45°
Required compone	nts:	
		60
		700
		30° 13 ⁵ 800 15° 30°
TOSHIBA Leading Innovation >>>		90°
LED	TL1L4	7
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	0.8 cd/lm	.60* 60*
LEDs/each optic	1	
Light colour	White	er
Required compone	nts:	400
		500
		60
TDIDO		50° 135 5° 137 30°
TRIDON	lic	20° 00 20° 20° 30°
	RLE 2x6 3000Im HP EXC2 OTD	80 ³ 00 ⁴ 00 ⁴ 00 ⁴
		80°
LED	RLE 2x6 3000lm HP EXC2 OTD	
LED FWHM / FWTM	RLE 2x6 3000lm HP EXC2 OTD Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.8 cd/Im	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1 White	13 ¹ 0 ² 13 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1 White	13 ¹ 0 ² 13 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1 White	13 ¹ 0 ² 13 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RLE 2x6 3000Im HP EXC2 OTD Asymmetric 94 % 0.8 cd/lm 1 White	13 ¹ 0 ⁴ 13 ⁴



		90°
LED	XHP35 HD	
FWHM / FWTM	Asymmetric	75°
Efficiency	88 %	
Peak intensity	0.5 cd/lm	60° 200 6
LEDs/each optic	1	
Light colour	' White	$\times \times / \square \times >$
Required components:	White	400 4
Required components.		
		$X \land X$
		600
		30° 15° 3
		90*
LED	XHP35 HI	
FWHM / FWTM	Asymmetric	756 200 7
Efficiency	90 %	200
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		200
		600
		30 15 ³ 0 ⁶ 15 ⁴
		90 ⁻ 9 ⁻ 9 ⁻ 9 ⁻
	XP-G2 HE	
LED FWHM / FWTM	XP-G2 HE Asymmetric 92 %	
LED FWHM / FWTM Efficiency	Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White XP-G3 Asymmetric 88 % 0.6 cd/lm 1	



ΜΝΙCΗΙΛ		THA KHT
LED	NV4WB35AM	95°
FWHM / FWTM	Asymmetric	73 0 73 0 73 0 73 0
Efficiency	94 %	
Peak intensity	94 % 0.6 cd/lm	504 604
LEDs/each optic	1 White	
Light colour Required components:	white	er er
Required components.		
		000
		700
		30* 15 ³ 0 ⁶ 15 ⁴ 30*
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	120 120
Efficiency	92 %	
Peak intensity	0.7 cd/lm	eer eer
LEDs/each optic	1	400
Light colour	White	45*
Required components:		\times
		600
		\times / \setminus \times
		200
		/30° 30° 30°
		10 0 10
Μ ΝΙCΗΙΛ		24 V 20
	NVSxE21A	
NICHIA LED FWHM / FWTM	NVSxE21A Asymmetric	20 V V V V V V V V V V V V V V V V V V V
LED	NVSxE21A Asymmetric 92 %	200
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.6 cd/lm 1	



OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	Asymmetric	73 0 73 0
Efficiency	90 %	
	90 % 0.6 cd/lm	60° 60°
Peak intensity		
LEDs/each optic	1	
Light colour	White	¢, ¢,
Required components:		200
		60
		30* 30*
OSRAM		
Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 440 45°
Required components:		
		600
		700
		30° 15 ⁵ 0° 15°
OSRAM		
Opto Semiconductors	OSCONIO P 2727 (2W vorsion)	10 ¹
Opto Semiconductors	OSCONIQ P 3737 (3W version)	20 Ju 20 Ju 20 Dr
Opto Semiconductors LED FWHM / FWTM	Asymmetric	2 ¹
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 94 %	90* 90* 75* 100 200 200 200 60*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	92* 92 2* 20 20 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	92 ⁻ 92 ⁻ 62 ⁺ 02 ⁻ 02 ⁻ 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm	90° 300 40° 400 40°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	90° 30° 60° 60° 60° 60° 60° 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	92°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric	50 66 70 15 15 15 10 10 70 70 15 15 70 15 70 15 70 15 70 15 70 70 70 70 70 70 70 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm 1	50 66 70 15 15 15 10 10 70 70 15 15 70 15 70 15 70 15 70 15 70 70 70 70 70 70 70 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm	50 60 20 15 70 15 15 15 15 15 15 15 15 15 15
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: PHILIPS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 88 % 0.6 cd/lm 1	



SAMSUN	IG	
LED	LH351B	90* 90*
FWHM / FWTM	Asymmetric	750 700 700
Efficiency	94 %	
Peak intensity	0.6 cd/lm	604 604
LEDs/each optic	1	X
Light colour	White	
Required components:	White	-65° 400 65°
required components.		50
		600
		30* 13 ⁵ 700 30*
SAMSUN	IG	90° 90°
LED	LH351D	
FWHM / FWTM	Asymmetric	75° 75°
Efficiency	93 %	
Peak intensity	0.5 cd/lm	100 100
LEDs/each optic	1	
Light colour	White	48°
Required components:		460
		200
		20
		13, 0, 13,
SEOUL SEMICONDUCTOR		22° 0° 13°
SEOUL SEOUL SEMICONDUCTOR		<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>
	Acrich MJT 4040	
SEOUL SEMICONDUCTOR	Acrich MJT 4040 Asymmetric	20 20 20 20 20 20 20 20 20 20 20 20 20 2
SEOUL SEMICONDUCTOR		
seoul semiconductor LED FWHM / FWTM	Asymmetric	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDS/each optic Light colour	Asymmetric %	6° 6° 10° 10° 10° 10° 10° 10° 10° 10
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDS/each optic Light colour	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDS/each optic Light colour	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDS/each optic Light colour	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric % 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED	Asymmetric % 1 White Z5M1/Z5M2	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 %	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm 1	00 00 00 00 00 00 00 00 00 00
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm	00 00 00 00 00 00 00 00 00 00
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm 1	
SEOUL SENICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: SEOUL SENICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric % 1 White Z5M1/Z5M2 Asymmetric 90 % 0.8 cd/lm 1	



SEOUL		
LED	Z5M4	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	504 804
LEDs/each optic	1	
Light colour	White	85° 400 65°
Required components:		
		000
		700
		30* <u>15</u> * <u>30</u> * <u>30</u> *
TOSHIBA		
Leading Innovation >>>		90* 90*
LED	TL1L2	730 750
FWHM / FWTM	Asymmetric	
Efficiency	88 %	50" The Martin 50"
LEDs/each optic	1	
Light colour	White	
Required components:	White	
		600
		\times / \setminus \times
		30* <u>15</u> ² 0 ⁶ 15 ⁴ 30 ⁴
TOSHIBA		
Leading Innovation >>>		90° 90°
LED	TL1L3	750 750
ED FWHM / FWTM	Asymmetric	
Efficiency	95 %	-50° - 200 - 50°.
LEDs/each optic	1	
Light colour	White	
Required components:		
1		460
		× / ***
		30 ⁴ 15 ⁵ 0 ⁶ 15 ⁴ 30 ⁴



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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