

PRODUCT DATASHEET CS15418_STRADA-IP-2X6-SCL

STRADA-IP-2X6-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian walkways and residential road lighting. (EN13201 P-classes)

SPECIFICATION:

Dimensions	173.0 x 71.4 mm
Height	9.6 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



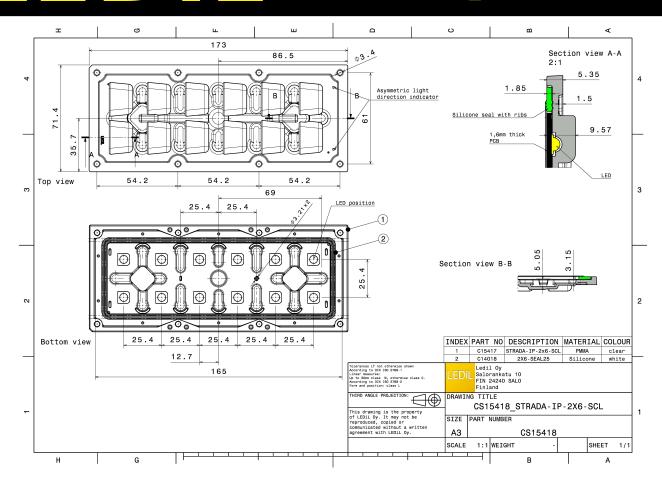
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15418_STRADA-IP-2X6-SCL	Multi-lens	120	40	40	7.9
» Box size: 476 x 273 x 247 mm					

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



bridgelux.		art art
LED	Bridgelux SMD 5050	
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required component		500
		600
		710
		30° <u>45</u> 0° <u>15°</u> 30°
		90* 90*
	QUICK FLUX 2x6 LED XG xxx G7+	~ ~ ~
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* 60*.
LEDs/each optic	1	× / +40
Light colour	White	
Required component		60
		200
		30* 1000 30* 30*
LEDS		90* 90*
LED	XM-L	75 78
FWHM / FWTM	Asymmetric	the second secon
Efficiency	%	60*
LEDs/each optic	70 1	400
Light colour	White	5° 5°
Required component		60°
	ιυ.	\times
		800
		30° 15 ⁵ 1890 15° 30°
CREE ≑		
LED	XP-G2	90* 90*
FWHM / FWTM	Asymmetric	73
Efficiency	94 %	
Peak intensity	0.7 cd/lm	50° 400 55.*
LEDs/each optic	1	
Light colour	White	45" 600 45"
Required component		
	no. — — — — — — — — — — — — — — — — — — —	80
		X X
		1000
		30° 15 ⁴ 0° 15° 30°



	VD CO	90° 90°
LED	XP-G3	75*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60°
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	45° 600 95*
Required compone	nts:	
		800
		\times / \top / \times
		30° 1000 30° 30°
		004
LED	XP-L HD	
		754 781
FWHM / FWTM	Asymmetric	00
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required compone	nts:	
		800
		30°
		45° 0° 15°
		90° 90°
CREE ÷ LEDs	XP-L2	8.
	XP-L2 Asymmetric	g- 20
LED		9)* 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency	Asymmetric	9° 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 %	9° 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	90° 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White	9° 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	9° 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	5° 20 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Eccess LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.7 cd/lm 1 White nts: XT-E Asymmetric 94 % 0.6 cd/lm 1 White	



LED	XT-E HE	10°
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.7 cd/lm	. 60 ⁴
LEDs/each optic	1	× / +40
Light colour	White	
Required compone		600 00
		000
		30° 15° 30° 30°
UMIL	EDS	90* 90*
LED	LUXEON 5050 Round LES	4
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	, edf
LEDs/each optic	1	
Light colour	White	45°
Required compone	nts:	X X X
		700
		30* 300 30* 15 ² 0 ⁶ 15*
M LUMIL	EDS	90° 90°
LED	LUXEON T	9
FWHM / FWTM	Asymmetric	250 200 75
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	45" 600 45"
Required compone	nts:	\times
		80
		\times
		30*
	EDC	125, 0, 122,
M LUMIL		90* 90*
LED	LUXEON V	200
FWHM / FWTM	Asymmetric	
Efficiency	92 %	00 ⁵ 300 2011
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	451 500 654
Required compone	nts:	X
		700
		80
		30* 500 30*
1		13° 0° 15°



	ED.C	
UMIL	EDS	90* 90*
LED	LUXEON V2	
FWHM / FWTM	Asymmetric	25*
Efficiency	94 %	50° 60
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	65* 000 45
Required compone	nts:	\times
		000
		30° 15° 30° 30°
MST Your solut	ions	
		90* 90
	RecLED 146x45mm 2900lm 730 2x6 IP G1	
FWHM / FWTM	Asymmetric 96 %	Roo Contraction
Efficiency Peak intensity	90 % 0.7 cd/lm	. 60° 60
LEDs/each optic	1	
Light colour	u White	000
Required compone		451 451
Required compone	113.	80
		X X
		1000
		30° 15° 30°
		90 ⁴
LED	NVSW219D	
FWHM / FWTM	Asymmetric	200 200
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60 ⁴ 60
LEDs/each optic	1	
Light colour	White	45* 610 45
Required compone	nts:	\times / \times
		\times
		30° 300
~~~~~~		13 ³ 0 ⁶ 13 ⁶
<b>Ø</b> NICHI∕		90* 90
LED	NVSW219F	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	$X \times I \times X$
Light colour	White	65' 80 65
Required compone	nts:	$\times$
		200
		1000
		30°



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<b>Μ</b> ΝΙCΗΙΛ		90° 90°
LED	NVSW319B	3
FWHM / FWTM	Asymmetric	730 200 270
Efficiency	94 %	
Peak intensity	0.8 cd/lm	60 ⁴ 400 604
LEDs/each optic	1	
Light colour	White	45+ 600 45+
Required componen	ts:	$\times$
		00
		1000
		15 ⁵ 0 ⁶ 15 ⁵
<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSW3x9A	9
	Asymmetric	75
	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 500 45*
Required componen	ts:	$\times$
		800
		X   X
		1000
~		 15 ³ 0 ⁶ 15 ⁶
<b>ΜΝΙCΗΙΛ</b>		
LED	NVSW519A	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component	ts:	
<b>Μ</b> ΝΙCΗΙΛ		
		90° 90°
	NVSxx19B/NVSxx19C	730
	Asymmetric	
	96 %	504 604
	0.8 cd/lm	
LEDs/each optic	1	
-	White	45° 000 6°
Required componen	15:	
		1000
		30° 15° 30°



OSRAM		
Opto Semiconductors		90°
LED	Duris S8	9
FWHM / FWTM	Asymmetric	100 75*
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	30
Light colour	White	45* 400 45*
Required compone		
		640
		710
		30° 15° 30°
PHILIF	S	90°
LED	Fortimo FastFlex LED 2x6 DP G4	1
FWHM / FWTM	Asymmetric	754 000 75*
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* <u>60*</u>
LEDs/each optic	1	
Light colour	White	45* 6/0 45*
Required compone	ts:	$\times$
		800
		1000
		30° 15° 0° 15° 30°
PHILIF	S	90° 90°
LED	Fortimo FastFlex LED 2x6 DP G5	1
FWHM / FWTM	Asymmetric	730 200 74°
Efficiency	96 %	
Peak intensity	0.8 cd/lm	.60° 60°.
LEDs/each optic	1	
Light colour	White	45° 600 45*
Required compone	its:	
1		
		00
		00
		00
	2S	90° 000 1000 20° 10° 10° 00°
	S	94° 000 1000 1000 1000 1000 1000 1000 1000
PHILIP		9° 30° 30° 30° 30° 30° 30° 30° 30° 30° 30
PHILIF LED FWHM / FWTM	S Fortimo FastFlex LED 2x6 DP HE Asymmetric	
<b>PHILIF</b> LED FWHM / FWTM Efficiency	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 %	
PHILIF LED FWHM / FWTM Efficiency Peak intensity	S Fortimo FastFlex LED 2x6 DP HE Asymmetric	
<b>PHILIF</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 % 0.6 cd/lm	
<b>PHILLIP</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 % 0.6 cd/lm 1 White	
<b>PHILIF</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 % 0.6 cd/lm 1 White	
<b>PHILLIP</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 % 0.6 cd/lm 1 White	
<b>PHILLIP</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	S Fortimo FastFlex LED 2x6 DP HE Asymmetric 96 % 0.6 cd/lm 1 White	



PHILIP	<b>S</b>	50°
LED	Fortimo FastFlex LED 2x6 DPX G4	9
FWHM / FWTM	Asymmetric	13°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	40
LEDs/each optic	1	
Light colour	White	45° 660 95'
Required compone	ints:	$\times$
		000
		30° 1000 30° 30°
SVWSI	JNG	94* A 98
LED	HiLOM RH12 (LH351C)	~ ~ ~ ~
FWHM / FWTM	Asymmetric	750 200 750
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* 60
LEDs/each optic	1	
Light colour	White	45* 600 65*
Required compone	ents:	$\times$
		1000 30° 30°
SAMSI	ING	THAY KHEI
SAMSU		90° 90°
LED	HiLOM RM12 ZP (LH502C)	30 30 50 84 90
LED FWHM / FWTM	HiLOM RM12 ZP (LH502C) Asymmetric	7.00
LED FWHM / FWTM Efficiency	HiLOM RM12 ZP (LH502C) Asymmetric 96 %	7.00
LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM12 ZP (LH502C) Asymmetric	7.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm	7.00
LED FWHM / FWTM	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White	7.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White	7.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White	7.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White	50 50 50 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	20 61 61 60 60 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	30 Ar 50 50 50 50 50 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	30 Ar 50 50 50 50 50 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	30 Ar 50 50 50 50 50 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	50 50 50 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SALVS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 ZP (LH502C) Asymmetric 96 % 0.6 cd/lm 1 White ents:	



SCIO	LUX	
LED		90* 90*
FWHM / FWTM	ROY-S26XPL2 (XP-L2)	75 100
	Asymmetric	the second secon
Efficiency	94 %	60* 300 60*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required componer	ts:	800
		710
		X
		30° 500 30°
		15 ³ 0 ⁶ 19 ⁴
SCIO	LUX	90* 90*
LED	XLE-S22C4XTEHE (XT-E HE)	9
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	.60%
LEDs/each optic	1	
Light colour	White	
Required componer		
Required componer	lio.	
		800
		30° 1000 30° 30°
SCIO		
SCIO		PT PT
LED	XLE-S26XHP35 (XHP35 HD)	94° 94°
LED FWHM / FWTM	XLE-S26XHP35 (XHP35 HD) Asymmetric	94* 94* 92* 000000000000000000000000000000000000
LED FWHM / FWTM Efficiency	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White its: 2x6 5050 module - SMJD-3625012F-XX	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer secoul semiconductor LED FWHM / FWTM	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White its: 2x6 5050 module - SMJD-3625012F-XX Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White Its: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White tts: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White tts: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White tts: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White tts: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XLE-S26XHP35 (XHP35 HD) Asymmetric 94 % 0.7 cd/lm 1 White tts: 2x6 5050 module - SMJD-3625012F-XX Asymmetric 94 % 0.6 cd/lm 1 White	



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SEOUL			
SEOUL SEMICONDUCTOR			90* 90*
LED	SMJQ-D36W12Mx	and the second se	25
FWHM / FWTM	Asymmetric		
Efficiency	93 %		
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour	White		45* 45*
Required componer	nts:		600
			X / X
			800
			$\times$ / $\land$ $\rightarrow$
			30° 15° 36°
SEOUL			
	SMJQ-D36W12Px		50-
FWHM / FWTM			75* 77*
Efficiency	Asymmetric 94 %		
Peak intensity	94 % 0.7 cd/lm		60*
	1		400
LEDs/each optic			
Light colour	White		45° 600 63°
Required componer	115:		
			300
			X   X
			30° 1000 30° 30°
SEOUL			
SEOUL SEMICONDUCTOR			90* 90*
LED	Z5M3		
FWHM / FWTM	Asymmetric		200 A
Efficiency	95 %		
Peak intensity	0.7 cd/lm		400
LEDs/each optic	1		$X//T \setminus X$
Light colour	White		45* 45*
Required componer	nts:		600
			13 ⁵
			90*
SEOUL SEMICONDUCTOR	Z8Y22		5
FWHM / FWTM	Asymmetric	and the second se	75* 75*
Efficiency	93 %	and the second se	
Peak intensity	0.6 cd/lm	and the second	60 ⁴ 60 ⁴
LEDs/each optic	1		
LEDS/each optic	ı White		
			e5* e5
Required componer	IIS.		
			200
			30* 30
			15° 0° 15°



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x6 3000lm HP EXC2 OTD Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x6 4500lm HP HE EXC3 OTD Z19 Asymmetric 96 % 0.6 cd/lm 1 White	



	Lorden FOFO Devend LEO	50° 50°
	J Series 5050 Round LES	750 200 75°
FWHM / FWTM	Asymmetric	
Efficiency	93 %	50 ⁴ 300 60 ⁴
Peak intensity	0.6 cd/lm	$\land$
LEDs/each optic	1	
Light colour	White	45* 200 45*
Required components:		60
		710
		800
		30° <u>900</u> 30° 30°
		90* 9*
LED	J Series 5050B 6V K Class	
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	X
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	$X \times \bigwedge X X$
Light colour	White	45° 500 65°
Required components:		600
		700
		30* 30*
CREE ≑		
LEDS		90* 90*
LED		
	XHP35 HD	100
FWHM / FWTM	XHP35 HD Asymmetric	75%
		191- 100 100 100
FWHM / FWTM Efficiency	Asymmetric	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 %	23 ⁶ 200 72. 60 ⁴ 200 60 ⁴
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1	5° 50 6°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.5 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1	50° 50° 70° 60° 60° 60° 60° 60° 60° 70°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LEDs LED FWHM / FWTM	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.5 cd/lm 1 White XP-G2 HE Asymmetric 92 % 0.6 cd/lm 1	



	-	
MUMILED	)S	90* 90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	75° 100 75°
Efficiency	80 %	
Peak intensity	0.5 cd/lm	60° 60°.
LEDs/each optic	1	X / 30
Light colour	White	45* 400 45*
Required components:		X/T/X
Protective plate	e, glass	500
		30° 13° <del>10</del> 15° 30°
	)S	90* 90*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	0.6 cd/lm	50°
LEDs/each optic	1	X 100 X
Light colour	White	45° 45°
Required components:		
		60
		710
		30 ⁴ 800 30 ⁴
		13 ⁵ 0 ⁶ 15 ⁶
	05	90° 90°
	S LUXEON 5050 Square LES	90°
		51 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
LED	LUXEON 5050 Square LES	90 ² 20 ⁵ 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM	LUXEON 5050 Square LES Asymmetric	90* 90 80* 80* 90 80* 80* 80* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 %	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>EXAMPLANCE NOTION</b> LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm 1	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm 1	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm 1	70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 93 % 0.6 cd/lm 1 White NFMW48xA Asymmetric 93 % 0.6 cd/lm 1	70



ΜΝΙCΗΙΛ		
LED	NV4WB35AM	90° 90°
FWHM / FWTM		780
	Asymmetric 86 %	
Efficiency		50* 400 50*
Peak intensity	0.7 cd/lm	X/T
LEDs/each optic	1	800
Light colour	White	45*
Required components:		200
		$\times$
		1000
		30° 11° 0° 11° 30°
<b>Μ</b> ΝΙCΗΙΛ		
	NI/4×4.4.4	90° 90°
	NV4x144A	750 100 70
FWHM / FWTM	Asymmetric 90 %	
Efficiency		60° 60°
Peak intensity	0.4 cd/lm	20
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		700
		560
		30° 700 30° 30°
<b>Μ</b> ΝΙCΗΙΛ		THA KHI
LED	NVSxE21A	90* 90*
FWHM / FWTM		75 500 750
Efficiency	Asymmetric 92 %	
		60* 60*
Poak intensity		
Peak intensity	0.5 cd/lm	*
LEDs/each optic	4	30
LEDs/each optic Light colour		30 60 60 60
LEDs/each optic	4	-07
LEDs/each optic Light colour	4	
LEDs/each optic Light colour	4	5° 100 9°
LEDs/each optic Light colour	4	20 ⁴ 20 ³ 0 ⁴ 10 ⁵ 20 ⁴
LEDs/each optic Light colour Required components:	4	50 40 50 50 50 60 60 60 50 50 50 50 50 50 50 50 50 5
LEDs/each optic Light colour Required components:	4 White	50° 123° 00° 127° 20°
LEDs/each optic Light colour Required components:	4 White NVSxE21A	
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric	20- 0- 0- 0- 0- 0- 0- 0- 0- 0-
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 %	
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/m	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/lm 1	
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/m	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/lm 1	
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/lm 1	
LEDs/each optic Light colour Required components:	4 White NVSxE21A Asymmetric 90 % 0.6 cd/lm 1	



OSRAM		
LED	PrevaLED Brick HP IP 2x6	80.
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	92 /8 0.6 cd/lm	. 50 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:	white	45* 45*
required components.		200
		$\times$
		1000
		30° 15° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ P 3030	
FWHM / FWTM	Asymmetric	73°
Efficiency	92 %	
Peak intensity	0.6 cd/lm	50 ⁴ 400 60*
LEDs/each optic	1	
Light colour	White	45* 600
Required components:		800
		$\times$
		30* 30*
		(30* 1200 30* 30* 15 ³ 0 ⁶ 15*
OSRAM Onto Semiconductors		80. 172, <u>00,</u> 172,
Opto Semiconductors	OSCONIO P 3737 (3W version)	12 ³ 10 ⁴ 17 ⁴
Opto Semiconductors	OSCONIQ P 3737 (3W version) Asymmetric	12 ³ (2 ⁶ 12 ³ )
^{Opto Semiconductors} LED FWHM / FWTM	OSCONIQ P 3737 (3W version) Asymmetric 92 %	25 ¹ (2 ² ) (2 ² ) (2 ² )
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version)	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 %	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 % 0.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 % 0.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:  OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White OSCONIQ P 3737 (3W version) Asymmetric 92 % 0.6 cd/lm 1	



OSRAM		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	730 700 700
Efficiency	92 %	
Peak intensity	0.6 cd/lm	.60* 60*
LEDs/each optic	1	
Light colour	White	45* 500 45*
Required components:	WINC	
		300
		$\times$
		1000
		30° 13 ⁵ 0° 15° 31°
OSRAM		
Opto Semiconductors	0010110 000000000	90* 90*
	OSLON Square CSSRM2/CSSRM3	730 732
FWHM / FWTM	Asymmetric	That
Efficiency	92 %	50* 400 50*
Peak intensity LEDs/each optic	0.7 cd/lm	
	1 White	×
Light colour Required components:	White	ee.
Required components.		000
		1000
		30* 13 ² 15 ⁶ 0 15* 30*
SAMSUN	10	
		90* 90*
LED	LH181B	730
FWHM / FWTM	Asymmetric	
Efficiency	92 %	634 400 654
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	X / w
Light colour	White	5 [,] 5 [,]
Required components:		200
1		1000
		100
		1000 20 ⁴ 120 00 13 ⁶ 20 ⁴ 30 ⁴
<u>CUNCII</u>		20 ² 10 ² 10 ² 20 ²
SAMSUN		20 ⁴ 12 ⁴ 12 ³⁰ 20 ⁴
LED	LH351B	1000 30" 12" 13" 13" 13" 13" 13" 13" 13" 13"
LED FWHM / FWTM	LH351B Asymmetric	
LED FWHM / FWTM Efficiency	LH351B Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351B Asymmetric 93 % 0.6 cd/lm	24° 40° 12° 24° 40° 12° 80° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 93 % 0.6 cd/lm 1	24° 6° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 93 % 0.6 cd/lm	24° 40° 12° 24° 40° 12° 80° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 93 % 0.6 cd/lm 1	24 ⁰ 15 ⁰ 15 ⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 93 % 0.6 cd/lm 1	24 ⁰ 15 ⁰ 15 ⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 93 % 0.6 cd/lm 1	



SAMSUN	IG	
		90° 90°
LED	LH351D	736
FWHM / FWTM	Asymmetric	mang
Efficiency	92 %	60 ⁴ 607
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	$ \times /  \setminus \times $
Light colour	White	-65* 65*
Required components:		
		000
		30* <u>15</u> ⁵ 0* 15 ⁶ 30*
SAMSUN	IG	
LED	LH502D	90° 90°
FWHM / FWTM	Asymmetric	75%
Efficiency	94 %	X2mm SX
Peak intensity	0.6 cd/lm	60 ⁴ 300 60*
LEDs/each optic	1	XXXX
Light colour	White	45* 550 45*
Required components:		
		700
		200
		30* 15 ⁵ 200 15* 30*
		90* 90*
SEOUL SEMICONDUCTOR	SEQUL DC 3030C	20
seoul semiconductor LED	SEOUL DC 3030C Asymmetric	94 00 pp - 07
seoul semiconductor LED FWHM / FWTM	SEOUL DC 3030C Asymmetric 93 %	200 000 000 000 000 000 000 000 000 000
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric	25° 000 7° 0°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 %	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.6 cd/lm	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1	600
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1	600
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1	600
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1	600
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.6 cd/lm 1	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1	600
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.6 cd/lm 1	60 67 80 80 80 80 80 80 80 80 80 80
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.6 cd/lm 1 White	40 45 90 90 90 100 100 100 100 100 1
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul SEMICONDUCTOR LED FWHM / FWTM	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V	60 67 80 80 80 80 80 80 80 80 80 80
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric	40 45 90 90 90 100 100 100 100 100 1
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 %	60 67 80 80 80 80 80 80 80 80 80 80
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm	60 67 80 80 80 80 80 80 80 80 80 80
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	
stoul stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Stoul stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.6 cd/lm 1 White SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	



STOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	Z5M1/Z5M2 Asymmetric 93 % 0.7 cd/lm 1 White	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z5M4 Asymmetric 94 % 0.6 cd/lm 1 White	
STOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22T Asymmetric 91 % 0.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20