

PRODUCT DATASHEET F14112_FLORENCE-Z60

FLORENCE-Z60

~60° wide beam. Ideal for retail and industrial lighting. Can be used for general office lighting with shade.

SPECIFICATION:

Dimensions	286.0 x 61.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes 🛈

MATERIALS:

Со FL

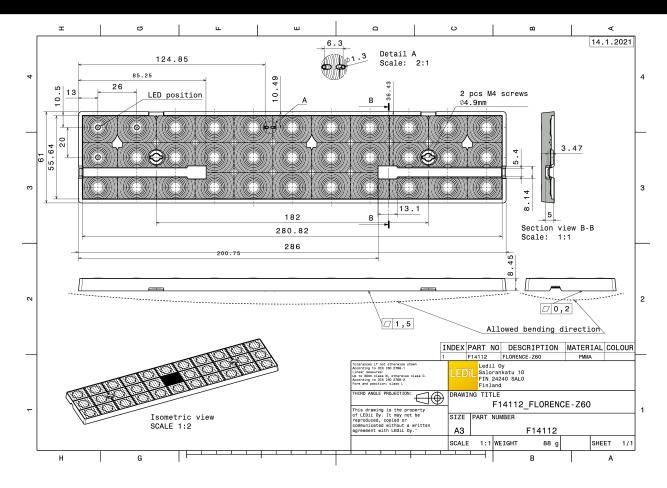


Component	Туре	Material	Colour	Finish
LORENCE-Z60	Linear lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14112_FLORENCE-Z60	72	18	6	7.3
» Box size: 398 x 298 x 140 mm				

PRODUCT DATASHEET F14112_FLORENCE-Z60



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



		50* 90*
LED	XH-B/G	
FWHM / FWTM	43.0° / 111.0°	75*
Efficiency	87 %	
Peak intensity	0.9 cd/lm	$\mathbf{K} \longrightarrow \mathbf{K} \longrightarrow \mathbf{K}$
LEDs/each optic	1	
Light colour	White	63* 63*
Required compone	nts:	
		30*
	FDS	90* 90*
	LUXEON 3030 2D (Round LES)	75. 75.
FWHM / FWTM	57.0° / 107.0° 88 %	200
Efficiency Peak intensity	0.8 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45*
Required compone		
required compone		
		30° 30° 30°
LUMIL	EDS	90 ⁴ 90 ⁴
LED	LUXEON 3535 2D	75*
FWHM / FWTM	57.0° / 108.0°	200
Efficiency	89 %	60. 60.
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	6°.
Required compone	nts:	
		30° 30° 30°
	EDS	90 ⁴ 90 ⁴
LED	LUXEON 3535L HE	
FWHM / FWTM	58.0° / 110.0°	<u>n</u> , <u>n</u> ,
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	gr
Required compone	nts:	
		34 34



	.EDS	90 ⁴ 9
LED	LUXEON XR-3535L (L202 - xxxx033C30001)	
FWHM / FWTM	59.0° / 108.0°	77
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr -
Required compone		
		34.
		135 ⁴ 0 ⁴ 35 ⁵
ELUM	INUS	89 ⁴
LED	MP-2016	
FWHM / FWTM	58.0° / 105.0°	
Efficiency	91 %	50 ¹
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr i i i i i i i i i i i i i i i i i i i
Required compone	ents:	
		30*
ØNICHI/		894
LED	NF2x757D	
FWHM / FWTM	58.0° / 107.0°	75
	92 %	
Efficiency	92 % 0.8 cd/lm	
Efficiency Peak intensity	0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1	er de la companya de la comp
Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	er
Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White	gr
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents: NFSW757H	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIV LED FWHM / FWTM Efficiency Peak intensity	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 % 0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIV LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIV LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIV LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHI Equired compone WIM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White ents: NFSW757H 58.0° / 110.0° 93 % 0.8 cd/lm 1 White	



OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PL-BAR-G3 1100 280x55 57.0° / 109.0° 93 % 0.8 cd/lm 1 White	
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PLG2-BAR-1100-xxx-280x55-DC 57.0° / 108.0° 88 % 0.8 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris E5 59.0° / 109.0° 89 % 0.8 cd/lm 1 White ents:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris S2 55.0° / 111.0° 90 % 0.8 cd/lm 1 White ents:	



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OSRAM Opto Semiconductors		90 ⁴
LED	Duris S5 (Single chip)	79
FWHM / FWTM	58.0° / 107.0°	
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		34
OSRAM		25 ⁵ o ¹ 35 ⁵
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	56.0° / 111.0°	72
Efficiency	93 %	
Peak intensity	93 % 0.8 cd/lm	
LEDs/each optic	1	
Light colour	' White	
Required compone		
Required compone	916S.	
		30" 32 125 0° 15"
PHILIP	20	30*
LED	Fortimo LED Line VO 1ft MF 3R HV5	75
FWHM / FWTM	55.0° / 107.0° 95 %	
Efficiency	95 % 0.9 cd/lm	
Peak intensity		
LEDs/each optic	1 White	
Light colour		
Required compone	sins.	
		30° 0° 13° 0
PHILIP	DS	50 ⁴
LED	Fortimo LED Line 1ft 650lm 3R HV4 & LV4	
FWHM / FWTM	58.0° / 108.0°	
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	g. d
Required compone		
		7 15° 0° 15°



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ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Line 1ft HF 3R HV5 56.0° / 107.0° 95 % 0.8 cd/lm 1 White	
PHILIE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Line 1ft LF 3R HV5 & LV5 57.0° / 107.0° 95 % 0.9 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Line 1ft MF 3R HV5 & LV5 56.0° / 108.0° 95 % 0.9 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM231 A/B 56.0° / 107.0° 89 % 0.9 cd/lm 1 White	



SAMSI	ING	90 ⁴
LED FWHM / FWTM Efficiency	LM362A 59.0° / 107.0° 85 %	95
Peak intensity	0.8 cd/lm	
LEDs/each optic	1 White	
Light colour Required compone		94 94 20 20 40 40 20 40 20 20 20
SVWSI	JNG	20 ³ 20 ³
LED	LM561B	
FWHM / FWTM	59.0° / 108.0°	37
Efficiency	86 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required compone	nts:	
		25° do 15°
SAMSI	JNG	90* 90
LED	LM561B Plus	
FWHM / FWTM	59.0° / 109.0°	
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour Required compone	White	
	113.	30 ⁻ 30 ⁻ 30
SAMSI	JNG	20' 20
LED	LM561C	
FWHM / FWTM	59.0° / 110.0°	
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	a, a
Required compone	nts:	



SAMSL	JNG		90*	
LED	LT-R286A		75	
FWHM / FWTM	58.0° / 110.0°			»
Efficiency	93 %		60*	
Peak intensity	0.8 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required componer	llts.			×
			15° 0	• 15•
SEOUL SEMICONDUCTOR		100 A	90°	
LED	SEOUL 3030			NEV.
FWHM / FWTM	56.0° / 108.0°			» ///·
Efficiency	92 %		60°	
Peak intensity	0.8 cd/lm			
LEDs/each optic	1			
Light colour	White		42.0	X
Required component	nts:			•
			36* 15° 0	° 15°
SEOUL			90°	
				· · · · · · · · · · · · · · · · · · ·
SEOUL SEMICONDUCTOR	SEOUL 5630C			
LED	SEOUL 5630C 57.0° / 109.0°		75	
LED FWHM / FWTM	SEOUL 5630C 57.0° / 109.0° 92 %			
LED FWHM / FWTM Efficiency	57.0° / 109.0°			
LED FWHM / FWTM Efficiency Peak intensity	57.0° / 109.0° 92 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	57.0° / 109.0° 92 % 0.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seous semiconductor LED	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component secure semiconductor LED FWHM / FWTM	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0° 93 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component secon semiconductor LED FWHM / FWTM Efficiency Peak intensity	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component secure semiconductor LED FWHM / FWTM	57.0° / 109.0° 92 % 0.8 cd/lm 1 White hts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0° 93 % 0.9 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component store component Stor	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0° 93 % 0.9 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stout semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0° 93 % 0.9 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component scoul semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	57.0° / 109.0° 92 % 0.8 cd/lm 1 White nts: SEOUL DC 3030 59.0 + 55.0° / 106.0 + 108.0° 93 % 0.9 cd/lm 1 White			



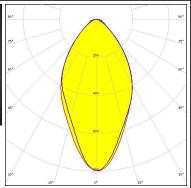
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L	E	D	

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:

LLE G2 55x280mm 2000lm 58.0° / 111.0° 93 % 0.8 cd/lm 1 White







		90* 90*
LED	J Series 5050 Round LES	
FWHM / FWTM	68.0° / 101.0°	75*
Efficiency	93 %	
Peak intensity	0.7 cd/lm	₿0 ₽0 ⁻
LEDs/each optic	1	
Light colour	White	400
Required components:		24 125 0 ⁴ 15 ³
		90° 90°
LED	J Series 5050C 6V E Class	75"
FWHM / FWTM	66.0° / 102.0°	
Efficiency	93 %	60 ⁴ 60 ⁴
Peak intensity	0.8 cd/lm	$f \times A \to X \to X$
LEDs/each optic	1	
Light colour	White	95-
Required components:		
		30° 34°
		15° 0° 15°
	05	54 50 ⁴ 50 ⁴
	LUXEON 5050 Round LES	
LED FWHM / FWTM	LUXEON 5050 Round LES	
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES 65.0° / 101.0°	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES 65.0° / 101.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: EXAMPLANCE EXAMPLANCE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0° 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0° 91 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 65.0° / 101.0° 94 % 0.8 cd/lm 1 White NF2x757G 62.0° / 94.0° 91 % 0.8 cd/lm 1	



WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFMW48xA 64.0° / 105.0° 94 % 0.8 cd/lm 1 White	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSx757G 63.0 + 68.0° / 110.0 + 100.0° 94 % 0.8 cd/lm 2 White	200 200 000 000 000 000 000 000
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 70.0° / 94.0° 87 % 0.7 cd/lm 1 White	30° 40° 50° 50° 50° 50° 50° 50° 50° 5
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris E 2835 50.0° / 99.0° 92 % 1 cd/lm 1 White	100 100 100 100 100 100 100 100



OSRAM Opto Semiconductors		90* 90*
LED	Duris E 2835	
FWHM / FWTM	68.0 + 57.0° / 100.0 + 97.0°	75
Efficiency	92 %	200
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	2	
Light colour	2 White	400 45°
Required components:	White	
		30° 159 0° 159 36°
OSRAM Opto Semiconductors		50 ⁴ 50 ⁴
LED	Duris S8	
FWHM / FWTM	70.0° / 106.0°	73*
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	400 43°
Required components:		
		304 304
		15° 0° 15°
OSRAM Opto Semiconductors		90* 90*
Opto Semiconductors	OSCONIQ C 2424	9 ¹
Opto Semiconductors	OSCONIQ C 2424 66.0° / 96.0°	30° 90° 90°
Opto Semiconductors		90°
opto Semiconductors LED FWHM / FWTM Efficiency	66.0° / 96.0°	60, 200 200 200 200 200 200 200 200 200 2
Opto Semiconductors LED FWHM / FWTM	66.0° / 96.0° 94 %	99 ⁵ 99 ² 50 50 60 ⁴ 80 ⁴ 80 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	66.0° / 96.0° 94 % 0.8 cd/lm	99 ⁴ 99 ⁴ 73 ⁴ 500 61 ⁴ 60 ⁴ 75 ⁴ 60 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	66.0° / 96.0° 94 % 0.8 cd/lm 1	79° - 79° 200 - 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1	79° - 79° 200 - 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1	79° - 79° 200 - 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1	79°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	79° - 79° 60° - 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	79°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	Bit Bit Bit
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	Bit Bit Bit
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 96.0° 94 % 0.8 cd/lm 1 White	Bit Bit Bit
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMNSUN LED FWHM / FWTM Efficiency	66.0° / 96.0° 94 % 0.8 cd/lm 1 White I H351D 59.0° / 106.0° 94 %	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMNSUN LED FWHM / FWTM Efficiency Peak intensity	66.0° / 96.0° 94 % 0.8 cd/lm 1 White LH351D 59.0° / 106.0° 94 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	66.0° / 96.0° 94 % 0.8 cd/lm 1 White LH351D 59.0° / 106.0° 94 % 0.8 cd/lm 1	Bit Bit Bit
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1 White LH351D 59.0° / 106.0° 94 % 0.8 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1 White LH351D 59.0° / 106.0° 94 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 96.0° 94 % 0.8 cd/lm 1 White LH351D 59.0° / 106.0° 94 % 0.8 cd/lm 1	



0.0.0.0		
SAMSUN	IG	90*
LED	LM28xB Series	77
FWHM / FWTM	66.0° / 97.0°	200
Efficiency	94 %	60° 60°
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	43°
Required components:		
		30°
SAMSUN	IG	90*
LED	LM301B	
FWHM / FWTM	68.0° / 106.0°	75
Efficiency	93 %	50 ⁴ 50 ⁴
Peak intensity	0.7 cd/lm	$[\times / / \times]$
LEDs/each optic	2	40
Light colour	White	er -
Required components:		
		36° 35° 36°
SAMSUN	IG	90°
LED	LM301B	
FWHM / FWTM	66.0° / 98.0°	75.
Efficiency	94 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	42+ 42*
Required components:		
		364 364 364
SAMSUN	IG	90*
LED	LM302Z plus	
FWHM / FWTM	66.0° / 98.0°	73. 75.
Efficiency	94 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components:		A second
		364 364 364
		(A) Y (A)



SAMSUN	IG	50°
LED	LM302Z plus	
FWHM / FWTM	68.0° / 105.0°	73°
Efficiency	93 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	2	
Light colour	White	400
Required components:		2° - 15 - 15 - 1
SEOUL		20*
	SEOUL 5630D 65.0° / 95.0°	79.
FWHM / FWTM	65.0° / 95.0° 91 %	- 200
Efficiency Roak intensity		601 · · · · · · · · · · · · · · · · · · ·
Peak intensity	0.8 cd/lm 1	
LEDs/each optic	1 White	45*
Light colour Required components:	white	
Required components.		
		30° 0° 13° 3
SEQUE		
SEOUL SEMICONDUCTOR		90*
LED	SEOUL DC 3030C	73*
FWHM / FWTM	66.0° / 98.0°	200
Efficiency	95 %	60° 6
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		30. 30
SEOUL		237 ¹ 0 ¹ 35 ²
SEOUL SEMICONDUCTOR		
LED	Z8Y22	
FWHM / FWTM	62.0° / 100.0°	
Efficiency	93 %	
	0.8 cd/lm	
LEDs/each optic	1	
LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic Light colour Required components:		
LEDs/each optic Light colour		
LEDs/each optic Light colour		