

SURI-RS

 ${\sim}6^\circ$ real spot beam. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 37.8 mm
Height	24 mm
Fastening	tape, pin
ROHS compliant	yes 🛈

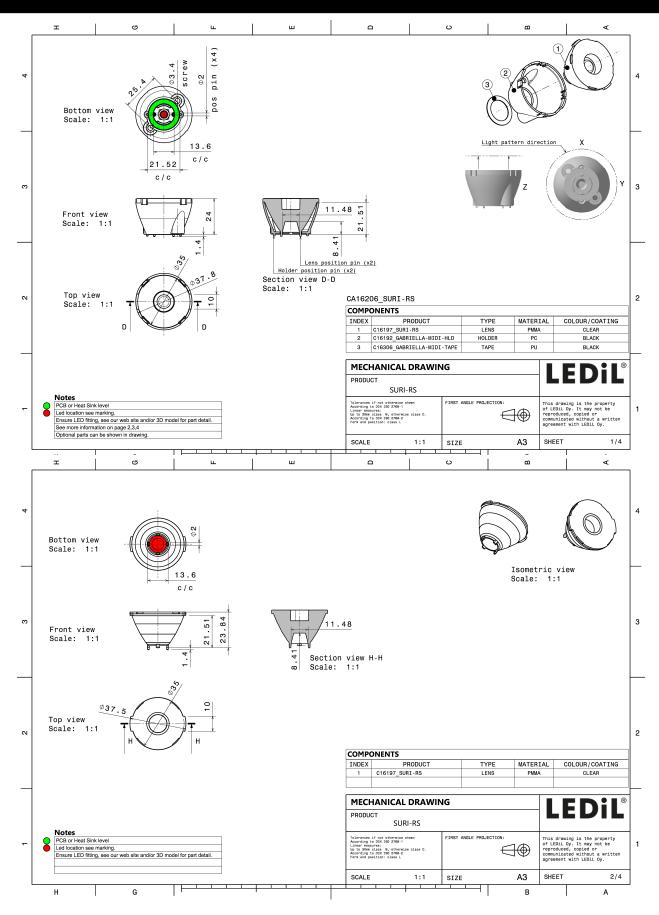


MATERIAL SPECIFICATIONS:

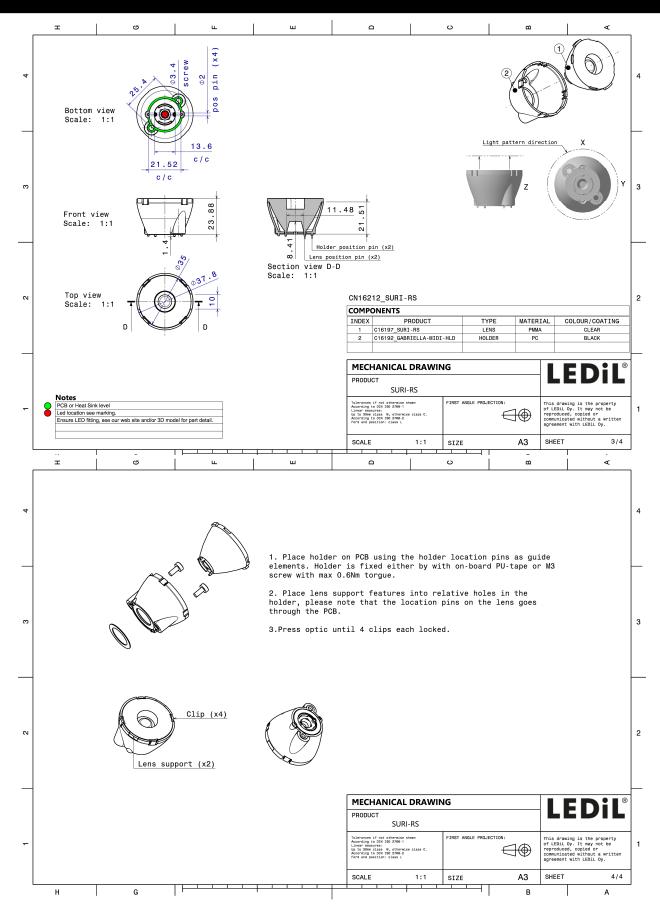
Component	Туре	Material	Colour	Finish
SURI-RS	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Assembly	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16206_SURI-RS	Single lens	500	100	50	11.7
» Box size: 476 x 273 x 292 mm					



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



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP35 HI 8.0° / 13.0° 91 % 41 cd/lm 1 White		127 257 257 257 257 257 257 257 257 257 2
CREE LEC FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 20.0° / 32.0° 87 % 6.6 cd/lm 1 White	94* 75- 75- 75- 75- 75- 75- 75- 75- 75- 75-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 5.0° / 9.0° 93 % 101 cd/lm 1 Green		
CREE LEO FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 7.0° / 11.0° 94 % 63.1 cd/lm 1 White		35°



CREE\$LEDXP-L HIEVWHM / FWTM8.0° / 17.0°Efficiency90 %Peak intensity30.6 cd/lmLEDs/each optic1Light colourWhiteRequired componeuts:Protective glassProtective JacsCREE\$LEDXP-L HIFWHM / FWTM7.0° / 12.0°Efficiency91 %Peak intensity52.4 cd/lmLEDs/each optic1Light colourWhiteRequired componeuts:VenteutsEEDLEDLUXEON VFWHM / FWTM10.0° / 17.0°Efficiency88 %Peak intensity26 cd/lmLEDs/each optic1Light colourWhiteRequired componeuts:VenteutsEEDLUXEON VFWHM / FWTM10.0° / 17.0°Efficiency88 %Peak intensity26 cd/lmLEDs/each optic1Light colourWhiteRequired componeuts:FWHM / FWTM8.0° / 13.0°Efficiency91 %Peak intensity41 cd/lmLEDs/each optic1Light colour41 cd/lmLEDs/each optic1Light colourWhiteRequired componeuts:1Light colour1Light colour1Light colour1Light colour1Light colour1Light colour1Ligh		
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Light colourWhiteRequired componentsProtective plate, glassProtective plate, glassCCEEE*CEDLEDXP-L HIFWHM / FWTM7.0° / 12.0°Efficiency91 %Peak intensity52.4 cd/lmLEDs/each optic1Light colourWhiteRequired componentsUXEON VFWHM / FWTM10.0° / 17.0°Efficiency88 %Peak intensity26 cd/lmLEDLUXEON VFWHM / FWTM10.0° / 17.0°Efficiency88 %Peak intensity26 cd/lmLEDWhiteRequired components1Light colourWhiteRequired components1Efficiency88 %Peak intensity26 cd/lmLEDNVSW219FFWHM / FWTM8.0° / 13.0°Efficiency91 %Peak intensity41 cd/lmLEDs/each optic1Light colourWhite		30.6 cd/lm
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LEDs/each optic1Light colourWhiteRequired componentsVertice Components <td></td> <td></td>		
Light colourWhiteRequired componentsRequired componentsILUMILEDSLEDLUXEON VFWHM / FWTM10.0° / 17.0°Efficiency88 %Peak intensity26 cd/lmLEDs/each optic1Light colourWhiteRequired componentsViniteFWHM / FWTM8.0° / 13.0°FWHM / FWTM8.0° / 13.0°Efficiency91 %Peak intensity41 cd/lmLEDs/each optic1Light colourWhite		
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LED LUXEON V FWHM / FWTM 10.0° / 17.0° Efficiency 88 % Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components: EFONCENTIANS LED NVSW219F FWHM / FWTM 8.0° / 13.0° Efficiency 91 % Peak intensity 41 cd/lm LEDs/each optic 1 Light colour White		ents:
LED LUXEON V FWHM / FWTM 10.0° / 17.0° Efficiency 88 % Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components:		
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LED LUXEON V FWHM / FWTM 10.0° / 17.0° Efficiency 88 % Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components:		
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Efficiency 88 % Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components: White EED NVSW219F FWHM / FWTM 8.0° / 13.0° Efficiency 91 % Peak intensity 41 cd/lm LEDs/each optic 1 Light colour White		
Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components ************************************		
LEDs/each optic 1 Light colour White Required components NICCHIN LED NVSW219F FWHM / FWTM 8.0° / 13.0° Efficiency 91 % Peak intensity 41 cd/lm LEDs/each optic 1 Light colour White		
Light colour White Required components: WICHIN LED NVSW219F FWHM / FWTM 8.0° / 13.0° Efficiency 91 % Peak intensity 41 cd/lm LEDs/each optic 1 Light colour White		
Required components: ED NVSW219F FWHM / FWTM 8.0° / 13.0° Efficiency 91 % Peak intensity 41 cd/lm LEDs/each optic 1 Light colour White		
LEDNVSW219FFWHM / FWTM 8.0° / 13.0° Efficiency 91% Peak intensity 41 cd/lm LEDs/each optic 1 Light colourWhite		ents:
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LEDNVSW219FFWHM / FWTM 8.0° / 13.0° Efficiency 91% Peak intensity 41 cd/lm LEDs/each optic 1 Light colourWhite		
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Efficiency91 %Peak intensity41 cd/lmLEDs/each optic1Light colourWhite		
Peak intensity41 cd/lmLEDs/each optic1Light colourWhite		
LEDs/each optic 1 Light colour White		
Required components:		
	Required compone	ents:



OSRAM Opto Semiconductors		90* A 90*
LED	Duris S8	
FWHM / FWTM	14.0° / 24.0°	73. 2000
Efficiency	90 %	605 60°
Peak intensity	13 cd/lm	$K \longrightarrow / N \longrightarrow 2$
LEDs/each optic	1	6520
Light colour	White	43*
Required componer	nts:	900
		300 300
OSRAM		
Opto Semiconductors		90*
LED	OSLON Square CSSRM2/CSSRM3	75.
FWHM / FWTM	7.0° / 12.0°	
Efficiency	91 %	50 ⁴ 60 ⁴
Peak intensity	53 cd/lm	
LEDs/each optic	1	
Light colour	White	63. 64.
Required componer	nts:	
		\times $($ $)$ \times
		30° 17° 0° 17° 30°
OSRAM		
OSRAM Opto Semiconductors		50°
Opto Semiconductors	OSLON Square EC	32. 25.
Opto Semiconductors LED FWHM / FWTM	6.0° / 12.0°	39 ⁴ 39 ⁴ 39 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency	6.0° / 12.0° 90 %	50" 50" 75" 72 100 60"
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	6.0° / 12.0° 90 % 56 cd/lm	99 ⁴ 99 ⁴ 39 ⁵ 1100 1905 90 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 12.0° 90 % 56 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White	75° 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 12.0° 90 % 56 cd/lm 1 White	250 - 25°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White	75° 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White	75° 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	6.0° / 12.0° 90 % 56 cd/lm 1 White hts:	79°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	6.0° / 12.0° 90 % 56 cd/lm 1 White hts:	75° 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White hts:	
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opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	6.0° / 12.0° 90 % 56 cd/lm 1 White hts:	25
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: LH351B 8.0° / 13.0°	25
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANNSU LED FWHM / FWTM Efficiency	6.0° / 12.0° 90 % 56 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANSU LED FWHM / FWTM Efficiency Peak intensity	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: UNG LH351B 8.0° / 13.0° 93 % 45.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: UNG LH351B 8.0° / 13.0° 93 % 45.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: UNG LH351B 8.0° / 13.0° 93 % 45.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: UNG LH351B 8.0° / 13.0° 93 % 45.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SANSSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 12.0° 90 % 56 cd/lm 1 White hts: UNG LH351B 8.0° / 13.0° 93 % 45.6 cd/lm 1 White	



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM302A 7.0° / 13.0° 92 % 47 cd/lm 1 White	34 34 34 34 34 34 34 34 34 34
stout station LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 8.0° / 15.0° 88 % 32.8 cd/lm 1 White ents:	21 21 21 21 21 21 21 21 21 21



CREE LED	MHD-E/G 18.0° / 30.0° 91 % 8.6 cd/lm 1 White	200 601 210 602 200 602 200 200 200 200 200 200 200
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XB-H 6.0° / 12.0° 90 % 59.2 cd/lm 1 White	50° 50° 60° 50° 50° 50° 60° 50° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XD16 5.9° / 11.0° 89 % 65 cd/lm 1 White	200 - 201 - 200 - 20
CREECLED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HD 10.0° / 18.0° 91 % 23.7 cd/lm 1 White	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35.2 8.0° / 18.0° 87 % 27.8 cd/lm 1 White	201 201 201 201 201 201 201 201
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HI 10.0° / 18.0° 96 % 23.3 cd/lm 1 White	99 ¹ 99 ² 60 ² 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 5.0° / 10.0° 91 % 85 cd/lm 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 8.0° / 14.0° 90 % 38.5 cd/lm 1 White	25 [°] 0° 13 [°] 90 [°]



LED XP-G3 FWHM / FWTM 7.7° / 14.0° Efficiency 90 %	90'
FWHM / FWTM 7.7° / 14.0°	A
Efficiency 90 %	
	200
Peak intensity 40.5 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	
	**
30* 	0, 12, 30,
	8
LED XP-L2	
FWHM / FWTM 10.0° / 18.0°	1
Efficiency 89 %	
Peak intensity 24.4 cd/lm	
LEDs/each optic 1	12000
Light colour White	45
Required components:	
	15200
20	
7 10%	25600 30°
	90'
LED XQ-E HD	
	1 10
FWHM / FWTM 5.2° / 9.5°	
	200
FWHM / FWTM 5.2° / 9.5°	z <mark>eo</mark> eo
FWHM / FWTM 5.2° / 9.5° Efficiency 92 %	500 200
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm	
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1	
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White	700 200 200 200 0 0 0 0 0 0 0 0 0 0 0 0
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White	300 er
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: **	
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	220 10000 10000 1000
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: """"""""""""""""""""""""""""""""""""	90 50 50 12°
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: Vite VINILEDS LUXEON HL2X FWHM / FWTM 8.0° / 14.0° Efficiency 92 %	90 50 50 12°
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: """"""""""""""""""""""""""""""""""""	23
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: Vhite VUNILEDS LUXEON HL2X FWHM / FWTM 8.0° / 14.0° Efficiency 92 % Peak intensity 45.2 cd/lm LEDs/each optic 1	23
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: """"""""""""""""""""""""""""""""""""	23
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: Vite VED LUXEON HL2X FWHM / FWTM 8.0° / 14.0° Efficiency 92 % Peak intensity 45.2 cd/lm LEDs/each optic 1	23
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: """"""""""""""""""""""""""""""""""""	23
FWHM / FWTM 5.2° / 9.5° Efficiency 92 % Peak intensity 96.1 cd/lm LEDs/each optic 1 Light colour White Required components: """"""""""""""""""""""""""""""""""""	23



UMILEI	DS	90* A
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ 10.5° / 17.8° 94 % 24.3 cd/lm 1 White	
	DS	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rebel Plus 6.0° / 11.0° 89 % 71.1 cd/lm 1 White	
	SST-10-B130	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	6.0° / 11.0° 91 % 1 IR	
	US	29 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-20 6.0° / 12.0° 90 % 54.4 cd/lm 1 White	



Ce.		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-40 10.0° / 18.0° 91 % 28.5 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200
Μ ΝΙCΗΙΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 10.0° / 18.0° 91 % 25.7 cd/lm 1 White	30- 30- 40- 1000 1000 100
Μ ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 10.0° / 18.0° 91 % 25.8 cd/lm 1 White	25° 6° 12° 26° 27° 1200 99° 6° 27° 27° 28° 28° 28° 28° 28° 28°
WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 7.5° / 14.4° 94 % 42.9 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



OSRAM

LED	OS
FWHM / FWTM	12.
Efficiency	88
Peak intensity	17.
LEDs/each optic	9
Light colour	Wh
Required components:	

DSLON PURE 1010 (GW VJLPE1) 2.0° / 22.0° 8 % 7.4 cd/lm Vhite

OSRAM Opto Semiconductors		51'
LED	SFH 4715AS	75
FWHM / FWTM	8.0° / 12.0°	
Efficiency	90 %	
LEDs/each optic	1	
Light colour	IR	g*
Required components:		
		30+ 23000 36*
		15% 0% 15%
OSRAM Opto Semiconductors		90* 90*
LED	SFH 4716AS	29. 29.
FWHM / FWTM	6.0° / 10.0°	
Efficiency	90 %	
LEDs/each optic	1	
Light colour	IR	53 ² 53 ²
Required components:		
		30- 2000
0.0.0.0.0.0	10	135 ⁴ 0 ⁶ 35 ⁵
SAMSUN	G	90° 90°
LED	LH351C	75
FWHM / FWTM	8.0° / 14.0°	
Efficiency	92 %	50°
Peak intensity	39.9 cd/lm	
LEDs/each optic	1	
Light colour	White	9°* 2000
Required components:		
		X X
		30" 30" 30" 30"



SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	G LH351D 10.0° / 18.0° 91 % 26.4 cd/lm 1 White	
SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22P 8.0° / 14.0° 87 % 38.7 cd/lm 1 White	50° 50° 50° 50° 60° 50° 50° 60° 50° 60° 60° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y50P 15.5° / 26.1° 94 % 10.7 cd/lm 1 White	



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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