

HB-IP-2X6-RS

~20° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈

PRODUCT DATASHEET CS14895_HB-IP-2X6-RS



MATERIAL SPECIFICATIONS:

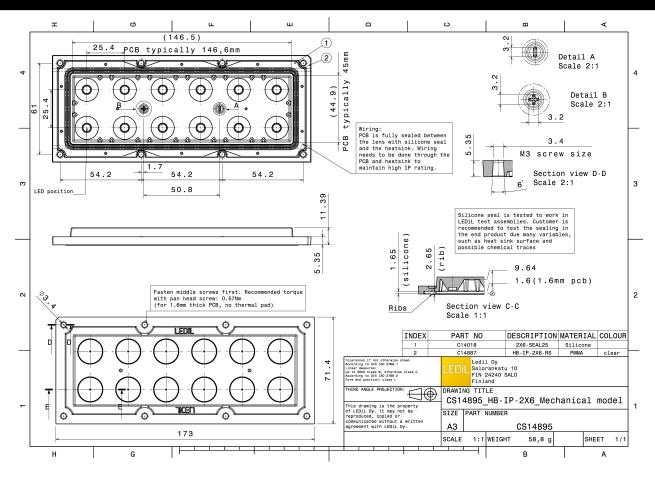
Component HB-IP-2X6-RS 2X6-SEAL25 **Type** Multi-lens Seal

Colour	Finish
clear	
white	
	clear

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14895_HB-IP-2X6-RS	Multi-lens	120	40	40	8.0
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS14895_HB-IP-2X6-RS



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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX 2x6 LED XG xxx G7+ 16.0° / 33.0° 94 % 7.3 cd/lm 1 White nts:	117 117 117 117 117 117 117 117
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX 2x6 LED XT xxx G5 13.0° / 26.0° 94 % 10.7 cd/lm 1 White nts:	20 20 20 20 20 20 20 20 20 20
CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L 21.0° / 38.0° 94 % 5.1 cd/lm 1 White	30° 50° 51° 51° 51° 51° 51° 51° 51° 51° 51° 51
CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 13.0° / 27.0° 94 % 10.6 cd/lm 1 White	



		90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 20.0° / 37.0° 93 % 5.4 cd/lm 1 White	20° - 12° - 20° 2° - 200 - 0°. 6° - 1000 - 0°.
		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 22.0° / 43.0° 93 % 4.1 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27
	1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E HE 13.0° / 26.0° 94 % 11.2 cd/lm 1 White	20 0 0 0 0 0 0 0 0 0 0 0 0 0
	EDS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 15.0° / 29.0° 94 % 8.8 cd/lm 1 White	30- 51- 60- 60- 60- 60- 60- 60- 60- 60



M	EDC	
CONTRACT OF CONTRACT.	LUXEON V 20.0° / 41.0° 92 % 4.7 cd/lm 1 White	
	FDS	94 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON V2 15.0° / 30.0° 94 % 8.9 cd/lm 1 White	21 ² 22 22 22 22 22 22 22 22 22 22 22 22 2
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON XR-TX (L2T0-xxyy012M) 14.0° / 27.0° 92 % 10.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SST-10-B130 12.0° / 22.0° 94 % 15.6 cd/lm 1 Deep Red	



MST Your solut	tions	11000
LED	RecLED 146x45mm 2900lm 730 STRADA-IP-2x6 G1	1000
FWHM / FWTM	14.0° / 27.0°	••••
Efficiency	95 %	1000
	95 % 10.3 cd/lm	7999
Peak intensity		600
LEDs/each optic Light colour	1 White	500
Required compone		••••
	115.	
		2000
		LIM
		-12.5 -112.5 -11.1 -17.5 -18.4 -22.4 -6.4 -22.4 -6.4 -12.5 -11.7 -112.5 -11.6
ØNICHI		90° 90°
LED	NVSW219D	
FWHM / FWTM	16.0° / 30.0°	75*
Efficiency	94 %	
Peak intensity	8.1 cd/lm	2200
LEDs/each optic	1	
Light colour	White	g*
Required compone	nts:	
		6430
		300
		 15% 0% 15%
Ø NICHI∕		90° 50°
LED	NVSW219F	
FWHM / FWTM	16.0° / 31.0°	78° 1600
Efficiency	8 %	
Peak intensity	94 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required compone	nts:	
		6430
		\times \times \times
		30. 30.
ØNICHI∕		90° 90°
LED	NVSW319B	
FWHM / FWTM	18.0° / 34.0°	73* 73*
Efficiency	94 %	60 ⁴ 60°
Peak intensity	6.5 cd/lm	
LEDs/each optic	1	
Light colour	White	43× 43*
Required compone	ints:	000
		36* 30°
		123 06 12°



		30 ⁴ 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW3x9A 19.0° / 36.0° 92 % 5.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW519A 20.0° / 37.0° 95 % 5.6 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxE21A 13.0° / 33.0° 94 % 8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 16.0° / 32.0° 92 % 7.2 cd/lm 1 White	



OSRAM Opto Semiconductors		95 ⁴
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	13.0° / 24.0°	32
Efficiency	94 %	
Peak intensity	12 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 67
Required compone		
		×**
		x ⁰
		12% 12%
PHILIF	S	50°
LED	Fortimo FastFlex LED 2x6 DP G4	
FWHM / FWTM	13.0° / 27.0°	
Efficiency	94 %	60 ⁴
Peak intensity	10.6 cd/lm	$\Gamma \sim 1/\Gamma \sim 2$
LEDs/each optic	1	
Light colour	White	gr 6600
Required compone	ints:	
		500
		340
PHILIP	S	94 ⁴ 99 ⁴
	PS Fortimo FastFlex LED 2x6 DP G5	99 ⁴ 99 ⁵
		25° (° 25°
LED	Fortimo FastFlex LED 2x6 DP G5	200 200
LED FWHM / FWTM	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0°	25° 0° 25°
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 %	25° 00 25°
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White I I I I I I I I I I I I I	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White Ints: UNG HiLOM RH12 (LH351C) 17.0° / 31.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White MB HiLOM RH12 (LH351C) 17.0° / 31.0° 94 % 7.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White HiLOM RH12 (LH351C) 17.0° / 31.0° 94 % 7.4 cd/lm 1 White	
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	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White HiLOM RH12 (LH351C) 17.0° / 31.0° 94 % 7.4 cd/lm 1 White	
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	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White HiLOM RH12 (LH351C) 17.0° / 31.0° 94 % 7.4 cd/lm 1 White	
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	Fortimo FastFlex LED 2x6 DP G5 14.0° / 26.0° 96 % 10.4 cd/lm 1 White I White HiLOM RH12 (LH351C) 17.0° / 31.0° 94 % 7.4 cd/lm 1 White	



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S22C4XTEHE (XT-E HE) 13.0° / 26.0° 94 % 11.2 cd/lm 1 White	
SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S26XHP35 (XHP35 HD) 24.0° / 45.0° 94 % 3.8 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2x6 5050 module - SMJD-3625012F-XX 24.0° / 53.0° 94 % 3 cd/lm 1 White nts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SMJQ-D36W12Mx 15.0° / 39.0° 89 % 5.1 cd/lm 1 White nts:	



SEOUL			
			90° 90°
SEOUL SEMICONDUCTOR			
	SMJQ-D36W12Px		75
FWHM / FWTM	16.0° / 36.0°		1000
Efficiency	93 %		60° - 60°
	6.3 cd/lm		
LEDs/each optic	1		gr/ - 300
•	White		
Required componen	15.		400
			30° 0° 15° 30°
SEOUL			90* 90*
SEOUL SEMICONDUCTOR	Z5M1/Z5M2		
	14.0° / 26.0°		25
Efficiency	94 %		
	10 cd/lm		600 600
LEDs/each optic	1		$ \times / / \setminus \times $
	White		gy 6330 675
Required componen			
rtoquiroù oomponon			

			30° 30° 30°
SEOUL			
			90° A 90°
SEOUL SEMICONDUCTOR	Z5M3	and the second se	50° 50°
seoul semiconductor	Z5M3 16.0° / 33.0°		30 ⁺ 27 ⁺ 1000
seoul semiconductor LED FWHM / FWTM	16.0° / 33.0°		50 ¹ 75 1000
seoul semiconductor LED FWHM / FWTM Efficiency	16.0° / 33.0° 95 %		27 1000 501
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	16.0° / 33.0°		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 33.0° 95 % 7.3 cd/lm		7. 600 60 500 500 60 60 60 60 60 60 60 60 60 60 60 60 6
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		27 1000 501
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		7. 600 60 500 500 60 60 60 60 60 60 60 60 60 60 60 60 6
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		7. 600 60 500 500 60 60 60 60 60 60 60 60 60 60 60 60 6
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	16.0° / 33.0° 95 % 7.3 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SEOUL SEMICONDUCTOR LED FWHM / FWTM	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0°		
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED FWHM / FWTM Efficiency	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 %		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm 1		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 7.3 cd/lm 1 White ts: Z8Y22 15.0° / 39.0° 89 % 5.1 cd/lm 1 White		



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22P 17.0° / 34.0° 92 % 6.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x6 3000lm HP EXC2 OTD 13.0° / 25.0° 94 % 11.6 cd/lm 1 White	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 5050 Round LES 25.0° / 51.0° 94 % 3.4 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 5050 Square LES 6V 24.0° / 52.0° 94 % 3.2 cd/lm 1 White	9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XB-H 12.0° / 28.0° 92 % 10.6 cd/lm 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HD 22.0° / 46.0° 93 % 3.8 cd/lm 1 White	223 240 25 20 20 20 20 20 20 20 20 20 20



CREESILED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HI 16.0° / 32.0° 93 % 8.1 cd/lm 1 White	200 200 200 200 200 200 200 200
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35.2 HD 26.0° / 48.0° 92 % 3.3 cd/lm 1 White	30 ³ 30 ³ 5 ³
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 11.0° / 26.0° 91 % 14.1 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:	XP-G2 HE 17.0° / 35.0° 93 % 6.9 cd/lm 1 White	



CREE LED	XQ-E HD 8.0° / 19.0° 92 % 21.8 cd/lm 1 White	34 47 47 130 130 130 130 130 130 130 130
CUMILEE EVHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 23.0° / 50.0° 91 % 3.7 cd/lm 1 White	21° 60° 12° 21°
CUMILEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 25.0° / 52.0° 94 % 3.2 cd/lm 1 White	
	LUXEON C	32. 30, 30,
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 23.0° 91 % 17.3 cd/lm 1 Cyan	gr 600 600
Required components:		20 ⁴ 20 ⁴ 40 ⁶ 20 ⁵ 40 ⁶



	NV4WB35AM	90°
FWHM / FWTM	22.0° / 40.0°	
Efficiency	94 %	60° 50°
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	
Light colour	White	2200
Required components:		30° eigo 30°
OSRAM		90° 90°
LED	PrevaLED Brick HP IP 2x6	
FWHM / FWTM	14.0° / 28.0°	75'
Efficiency	92 %	50°
Peak intensity	10.1 cd/lm	
LEDs/each optic	1	
Light colour	White	*25 CC13
Required components:		
		360 360
OSRAM		15 [°] 0 [°] 15 [°]
Opto Semiconductors		90* 90*
Opto Semiconductors	OSCONIQ C 2424	90° 90° 72° 72°
Opto Semiconductors LED FWHM / FWTM	11.0° / 22.0°	27 29 29
opto Semiconductors LED FWHM / FWTM Efficiency	11.0° / 22.0° 93 %	90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0° 93 % 16.6 cd/lm	61 60 60 F
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.6 cd/lm 1	50° 50° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm	d. 23. 24. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.6 cd/lm 1	90° 90° 51° 52° 51° 52
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1	23. 20. 24. 26. 25. 25. 26. 25.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1	94 ¹ 97 97 97 97 97 97 97 97 97 97 97 97 97
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 22.0° 93 % 16.6 cd/lm 1	59° 57 57 59 59 50 50 50 50 50 50 50 50 50 50 50 50 50
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1	94° 99° 35° 37° 66° 600 60° 57° 60° 99° 15° 6° 1000 6° 1000 6° 1000 6° 1000 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 22.0° 93 % 16.6 cd/lm 1	90° 90° 90° 90° 90° 600 90° 600 90° 600 90° 60° 90° 60° 90° 60° 90° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0°	27 27 27 29 29 29 29 29 29 29 29 29 29 29 29 29
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	11.0° / 22.0° 93 % 16.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0°	25- 25- 25- 25- 25- 25- 25- 25-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm 1	25- 25- 25- 25- 25- 25- 25- 25-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm 1	25- 25- 25- 25- 25- 25- 25- 25-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm 1	25- 25- 25- 25- 25- 25- 25- 25-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.6 cd/lm 1 White OSCONIQ P 3030 9.0° / 20.0° 94 % 21.8 cd/lm 1	25- 25- 25- 25- 25- 25- 25- 25-



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OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	12.0° / 25.0°	75'
Efficiency	89 %	
Peak intensity	13 cd/lm	60°
LEDs/each optic	1	6530
Light colour	White	\$3* \$3*
Required components:		
		36* 36*
OSRAM		15° 0° 15°
Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 (3W version)	75-
FWHM / FWTM	19.0° / 37.0°	
Efficiency	93 %	60° 60°
Peak intensity	6.1 cd/lm	
LEDs/each optic	1	220
Light colour	White	
Required components:		\times
		4000
		30° 30° 30°
OSRAM		90* 90*
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 3737 Flat	30 ¹ 75 ¹ 72
LED FWHM / FWTM	14.0° / 30.0°	
LED FWHM / FWTM Efficiency	14.0° / 30.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	14.0° / 30.0° 94 % 9.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 94 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm	75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 94 % 9.7 cd/lm 1	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	77 - 270 64 - 270 65 - 6*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	77 - 270 64 - 270 65 - 6*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	25- 25- 600 600 600 600 600 600 600 600 600 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	14.0° / 30.0° 94 % 9.7 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	14.0° / 30.0° 94 % 9.7 cd/lm 1 White LH181B 13.0° / 28.0° 93 %	27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	14.0° / 30.0° 94 % 9.7 cd/lm 1 White I LH181B 13.0° / 28.0° 93 % 10.8 cd/lm	27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 94 % 9.7 cd/lm 1 White Uhite LH181B 13.0° / 28.0° 93 % 10.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1 White Uhite LH181B 13.0° / 28.0° 93 % 10.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1 White Uhite LH181B 13.0° / 28.0° 93 % 10.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 94 % 9.7 cd/lm 1 White Uhite LH181B 13.0° / 28.0° 93 % 10.8 cd/lm 1	



FWHM / FWTM 16.0° / 32.0° Efficiency 93 % Peak intensity 8.6 cd/m LEDs/each optic 1 Light colour White Required components: ED LH3S1D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LED carry 4.6 cd/m LEDs/each optic 1 Light colour White Required components: ED Search optic 1 LED Zay22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LED Search optic 1	SAMSU	NG	20 ¹
Efficiency 93 % Peak intensity 8.6 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNC LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: Same Same LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m	LED	LH231B	
Peak intensity 8.6 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNC LED LH3S1D FWHM / FWTM 22.0° / 40.0° Efficiency 93% Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: SERVENTION LED Servention LED Se	FWHM / FWTM	16.0° / 32.0°	
Peak intensity 8.6 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LEDs/each optic 1 LED/each optic 1 LED White Required components: SMMSUNG Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 LED ZSY2T FWHM / FVTM 25.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 LED ZSY2T FWHM / FVTM 15.0° SMMSUNG Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 LED ZSY2T FWHM / FVTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 LED ZSY2T FWHM / FVTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 LED ZSY2T FWHM / FVTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LED ZSY2T FWHM / FVTM 15.0° FWHM / FWTM 15.0° F	Efficiency	93 %	
Light colour White Required components: SAMSUNG LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: SEX SEX SEX SEX SEX SEX SEX SEX SEX SEX	Peak intensity	8.6 cd/lm	
Required components: SAMSUNG LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93% Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: KWD KWGWGWCG LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93% Peak intensity 7.9 cd/lm LEDS/each optic 1 Light colour White Required components:	LEDs/each optic	1	
SAMSUNC LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSSUNCE LED 28Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 LEDs/each optic	Light colour	White	
SAMSUNG LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components:	Required components	S:	603
SAMSUNG LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components:			
SAMSUNG LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components:			
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LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: SX00.5MC00CT04 LED 28Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components:			337
LED LH351D FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: SX00.5MC00CT04 LED 28Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components:	SAMSU	NG	50°* 50°*
Efficiency 93 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: XOULSEMECONDUCTOR LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components:	LED		
Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: Store Subscreen Sub	FWHM / FWTM	22.0° / 40.0°	
Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component State S	Efficiency	93 %	
Light colour Required components: White Required components: White Required components: Store State Components: Store St	Peak intensity	4.6 cd/lm	
Required components:	LEDs/each optic	1	
SEQUE SHITCONDUCTOR LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/m LEDs/each optic 1 Light colour White Required components:	Light colour	White	97
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LED Z8Y22T FWHM / FWTM 15.0° / 33.0° Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************			50° 50°
Efficiency 93 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components:	LED	Z8Y22T	
Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	FWHM / FWTM	15.0° / 33.0°	
Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	Efficiency	93 %	
Light colour White Required components:	Peak intensity	7.9 cd/lm	
Required components:	LEDs/each optic	1	
	Light colour	White	at 400
	Required components	5:	
34 34			400
and and			
			340 340



PRODUCT DATASHEET CS14895_HB-IP-2X6-RS

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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