

PRODUCT DATASHEET C15925_HB-2X2-ON

HB-2X2-ON

~15° + 50° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	10 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component HB-2X2-ON **Type** Multi-lens

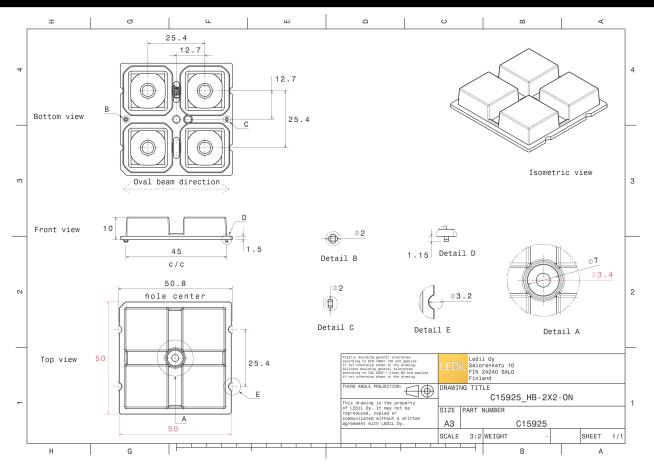
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component C15925_HB-2X2-ON » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	9.8

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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 XTP 2x4 xxx LS G5 16.0 + 55.0° / 40.0 + 83.0° 93 % 2.3 cd/lm 1 White ents:	0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX XTP 2x6 xxx LS G5 16.0 + 55.0° / 40.0 + 83.0° 93 % 2.3 cd/lm 1 White ents:	
CREE CLE	XD16 27.0 + 49.0° / 62.0 + 89.0° 90 % 1.4 cd/lm 4 White	
CREE LEO FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XD16 13.0 + 55.0° / 34.0 + 82.0° 89 % 2.4 cd/lm 1 White	



		90°
LED	 XP-G2	
FWHM / FWTM	14.0 + 55.0° / 34.0 + 82.0°	
Efficiency	89 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ⁴ 150 67
Required compone	ints:	203
		90 ⁴
LED	XP-L HI	
FWHM / FWTM	14.0 + 55.0° / 36.0 + 82.0°	
Efficiency	91 %	
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6° 500 6°
Required compone		
		200
		34*
	FDS	90° 50° 50° 50°
		50° 50°
		75
FWHM / FWTM	22.0 + 51.0° / 52.0 + 86.0°	
Efficiency	92 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	115.	24 ⁴ 127 6 ⁴ 127 20
MST Your solu	tions	90°
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	
FWHM / FWTM	15.0 + 54.0° / 38.5 + 82.5°	
Efficiency	94 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	er 200
Required compone	ints:	
		36- / 30-



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 17.0 + 53.0° / 40.0 + 83.0° 93 % 2.4 cd/lm 1 White	
EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 18.0 + 52.0° / 41.0 + 84.0° 93 % 2.3 cd/lm 1 White	
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PL-BRICK HP 3800 2x8 SSG 17.0 + 54.0° / 41.0 + 84.0° 92 % 2.3 cd/lm 1 White	
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick HP 2x8 15.0 + 54.0° / 36.0 + 82.0° 91 % 2.6 cd/lm 1 White	
		20 ²⁰ 20 ²⁰ 20 ²⁰



OSRAM Opto Semiconductors		50*
LED	Duris S8	
FWHM / FWTM	31.0 + 49.0° / 78.0 + 91.0°	
Efficiency	92 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	av A
Required compone		
		220
		50° 153° 00 153°
OSRAM Opto Semiconductors		9°.
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	15.0 + 54.0° / 36.0 + 82.0°	
Efficiency	91 %	
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		200
		25° 0° 15°
PHILI	DS	50*
		50*
LED	Fortimo FastFlex LED 2x8 DA G4+	99° 725
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0°	75
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 %	59° 59 61 00
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm	99° 99° 69°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 %	90 ⁴ 99 ⁴ 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White Ponts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA G4+ 18.0 + 53.0° / 41.0 + 84.0° 94 % 2.2 cd/lm 1 White ents: UNG HiLOM RH16 (LH351C) 17.0 + 54.0° / 42.0 + 84.0° 94 % 2.3 cd/lm 1 White	



STOL SHACKNOLCTOR LED Z5M3 FWHM / FWTM 18.0 + 53.0° / 44.0 + 84.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: STOL SHACKNOLCTOR LED Z8Y22 ENALMA / ENATING 20.0 + 55.08 / 55.0 + 05.08	90°
LED Z5M3 FWHM / FWTM 18.0 + 53.0° / 44.0 + 84.0° Efficiency 93 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components:	6°
FWHM / FWTM 18.0 + 53.0° / 44.0 + 84.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	et al a construction of the second se
Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: SEQUI SEMICONDUCTOR LED Z8Y22	e,
Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	57
Light colour White Required components:	67*
Required components:	
second services and the second services and the second sec	\square
SEOUL SEMICONDUCTOR LED Z8Y22	
SEOUL SEMICONDUCTOR LED Z8Y22	A A A A A
SEOUL SEMICONDUCTOR LED Z8Y22	
SEOUL SEMICONDUCTOR LED Z8Y22	36*
SEOUL SEMICONDUCTOR LED Z8Y22	
75°	90*
	75"
FWHM / FWTM 20.0 + 53.0° / 50.0 + 85.0°	$\langle \cdot \rangle$
Efficiency 91 %	
Peak intensity 1.6 cd/lm	\sim 7
LEDs/each optic 1	
Light colour White	45*
Required components:	
30	3(*
10 ⁻¹ 0 ¹	15*
TRIDONIC	
LED RLE 2x4 2000lm HP EXC2 OTD	
FWHM / FWTM 15.0 + 55.0° / 37.0 + 82.0°	
Efficiency 94 %	
Peak intensity 2.5 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	
TRIDONILO	
	90*
LED RLE 2x8 4000lm HP EXC2 OTD	
FWHM / FWTM 15.0 + 55.0° / 37.0 + 82.0°	× 7
Efficiency 94 %	$\sim \sim$
Peak intensity 2.5 cd/lm	
LEDs/each optic 1	
Light colour vvnite	A CONTRACTOR OF A CONTRACTOR OFTA CONT
Light colour White Required components:	
Light colour White Required components:	



CREE LED	XHP35 HI 16.0 + 50.0° 90 % 1 White	91 ⁴ 92 ⁴ 95 ⁴ 96 ⁴ 96 ⁴ 960 960 960 96 ⁴ 97 97 97 97 97 97 97 97 97 97 97 97 97
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 54.0 + 10.0° / 78.0 + 27.0° 93 % 3.8 cd/lm 1 White	200 200 200 200 00 00 00 00 00
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XP-E2 10.0 + 50.0° 90 % 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 18.0 + 51.0° / 42.0 + 82.0° 90 % 2.4 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20°



LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XP-G3 17.0 + 48.0° 89 % 1 White	20 20 20 20 20 20 20 20 20 20
		95
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XP-L HD 18.0 + 50.0° 88 % 1 White	20- 20- 20- 20- 20- 20- 20- 20-
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XT-E 14.0 + 55.0° / 34.0 + 80.0° 91 % 2.9 cd/lm 1 White	30 ³ 30
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 23.0 + 51.0° / 56.0 + 86.0° 89 % 1.7 cd/lm 1 White	



)S	50° 3
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 12.0 + 54.0° / 27.0 + 79.0° 91 % 3.4 cd/lm 1 White	25° 200 2° 250 2° 250 200 200 200 200 200 200 200 200 200
)S	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON TX 14.0 + 50.0° 90 % 1 White	75 - 2 50 - 2 57 - 2 50 - 2 200 - 2
Mauria		15° 0° 15°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 20.0 + 50.0° / 48.0 + 84.0° 90 % 2.1 cd/lm 1 White	30 ⁴ 75 ⁴ 65 ⁴ 65 ⁴ 2000
<i>W</i> NICHIA		300 00 00 00



OSRAM Opto Semiconductors		50° 90°
LED	Duris S8	
FWHM / FWTM	29.0 + 49.0° / 69.0 + 89.0°	75
Efficiency	84 %	400
Peak intensity	1.4 cd/im	60* 60*
LEDs/each optic	1	
Light colour	White	97° 000 47°
Required components:		
Protective plate	e, glass	
		30° 30° 30°
OSRAM Opto Semiconductors		90°
LED	OSCONIQ C 2424	
FWHM / FWTM	12.0 + 54.0° / 30.0 + 78.0°	3. 25.
Efficiency	92 %	
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	1690
Light colour	White	43° 43°
Required components:		
		30° 30°
		15° 0° 15°
OSRAM Opto Semiconductors		50°
Opto Semiconductors	OSCONIQ P 3030	<u>10'</u>
Opto Semiconductors	OSCONIQ P 3030 10.0 + 56.0° / 28.0 + 78.0°	90° 90° 90°
Opto Semiconductors LED FWHM / FWTM	OSCONIQ P 3030 10.0 + 56.0° / 28.0 + 78.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency	10.0 + 56.0° / 28.0 + 78.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0 + 56.0° / 28.0 + 78.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1	75° (80) (80) 1600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1	75° (80) (80) 1600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1	75° (80) (80) 1600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1	75° (80) (80) 1600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1	75° (80) (80) 1609
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version)	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 %	25 26 26 27 26 26 26 26 26 26 26 26 26 26
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 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	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 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	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 56.0° / 28.0 + 78.0° 94 % 3.5 cd/lm 1 White OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 cd/lm 1	



OSRAM		90° 90°
Opto Semiconductors	OSCONIQ P 3737 Flat	
FWHM / FWTM	16.0 + 54.0° / 38.0 + 80.0°	75'
Efficiency	92 %	
Peak intensity	2.6 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	93 ⁴ 1500 67 ⁴
Required components:		
		30° 30°
		15° 0° 35°
OSRAM Opto Semiconductors		90° X 90°
LED	OSLON Square Flat	
FWHM / FWTM	12.0 + 52.0° / 29.0 + 76.0°	75. 25.
Efficiency	93 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	42.
Required components:		2430
		\times \setminus \setminus \times
		30. 34.
		15 ⁹ 0 ⁶ 15 ⁹
OSRAM Opto Semiconductors		90° 90°
LED	OSTAR Projection Compact (Kx.CSLNM1.xx)	
FWHM / FWTM	10.0 + 52.0° / 26.0 + 76.0°	75* 23*
Efficiency	93 %	60 ⁴
Peak intensity		
LEDs/each optic	3.7 cd/lm	1500
	3.7 cd/lm 1	1600
Light colour		a ²
	1	e ⁷
Light colour	1	6 7
Light colour	1	97 - 200 - 97 - 200 - 97 - 200
Light colour	1	500 67 300 80 90 90 90 90 90 90 90 90 90 90 90 90 90
Light colour Required components:	1 White	20 20 20 20 20 20 20 20 20 20
Light colour Required components:	1 White	
Light colour Required components: SAMSUN LED	1 White	
Light colour Required components: SAMSUN LED FWHM / FWTM	1 White G LH502C 28.0 + 50.0° / 64.0 + 86.0°	90 ^h 90 ^h
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	1 White G LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 %	90 ⁴
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm	20 00 00 00 00 00 00 00 00 00
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm 1	20 00 00 00 00 00 00 00 00 00
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm	20 00 00 00 00 00 00 00 00 00
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm 1	20 00 00 00 00 00 00 00 00 00
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm 1 White	20° 400 12°
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm 1 White	20° 400 12°
Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	1 White C LH502C 28.0 + 50.0° / 64.0 + 86.0° 79 % 1.4 cd/lm 1 White	20° 400 12°



SAMSUN	IG	90* 90
LED	LH502C	
FWHM / FWTM	26.0 + 50.0° / 64.0 + 86.0°	2
Efficiency	87 %	60°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	800
Light colour	White	gr /
Required components:		- 120
		3 ⁵⁴ 100 3
SEQUL		90 ⁴
	MJT 5050	
LED FWHM / FWTM	28.0 + 50.0° / 67.0 + 88.0°	75
Efficiency	28.0 + 50.0 7 67.0 + 88.0 87 %	400
Peak intensity	57 % 1.5 cd/lm	602
LEDs/each optic	1	
Light colour	' White	
Required components:	White	
rrequired components.		
		30° 35° 35
SEOUL		90°
SEOUL SEMICONDUCTOR	SEOUL DC 5050 6V	
FWHM / FWTM	26.0 + 50.0° / 60.0 + 86.0°	75'
Efficiency	90 %	- 400
Peak intensity	1.6 cd/lm	60° 6
LEDs/each ontic		
	1	5° 60
LEDs/each optic Light colour Required components:		çi - 00
	1	55 - 580 - 4
Light colour	1	g
Light colour	1	g
Light colour	1	50 50 50 50 6 50 6 50 6 50 6 50 6 50 6
Light colour Required components:	1	 30
Light colour Required components:	1 White	34
Light colour Required components: seout semiconductor LED	1 White Z8Y22T	34
Light colour Required components: seous semiconductor LED FWHM / FWTM	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0°	
Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 %	
Light colour Required components:	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm	
Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm 1	
Light colour Required components: stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm	
Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm 1	
Light colour Required components: stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm 1	
Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm 1	



PRODUCT DATASHEET C15925_HB-2X2-ON

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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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