

MagicTube - Large (BCS349 L)

MagicTube is a surface mounted, exterior-rated and slim sized linear LED direct view luminaire that is designed for façade and outdoor architectural lighting applications.

The robust mechanical and unique optical design make it ideal for buildings facades, media facades, bridges, overpasses and any application that requires a slim linear direct view lighting solution.

Available in white, monochromatic colors, RGB, RGBW and tunable white.

Direct view spread lens, through wiring for end-to-end connection and DMX control option available with up to 10 pixels (10IDs) to give architects and designers the freedom to explore a wide range of concepts and design with no limitations.



Key Features (BCS349 L)

- Low power LEDs deliver a smooth and soft lighting distribution
- Standard: RGBW, RGB, 2700K, 3000K and 4000K
- Optional 5000K, Monochromatic Colors and Tunable White
- Standard 300, 500 and 1000mm product lengths
- Up to 10 pixels (10IDs) for easy and flexible control
- Wide beam angle for direct view application
- Robust Design & IP66 rating for outdoor use
- Available in DMX control option

Ordering guide

ex: BCS349 L 120LED RGBNW 24V OC L100 10PX

BCS349 L	LED		24V		L	
Family	LEDs	CCT / Color ⁽¹⁾	Voltage	Cover Type	Length	Control/Pixels ⁽²⁾
BCS349 L – MagicTube Large	36LED 60LED 120LED	27K – 2700K 30K – 3000K 40K – 4000K 50K – 5000K RGB – RGB RGBWW – RGBW(3000K) RGBNW – RGBW(4000K) tW – Tunable White BL – Blue RD – Red GN – Green AM – Amber	24V – 24V DC	OC – Opal Cover	L30 – 300mm L50 – 500mm L100 – 1000mm	– On/Off DMX – DMX 1PX 3PX – DMX 3PX 5PX – DMX 5PX 10PX – DMX 10PX

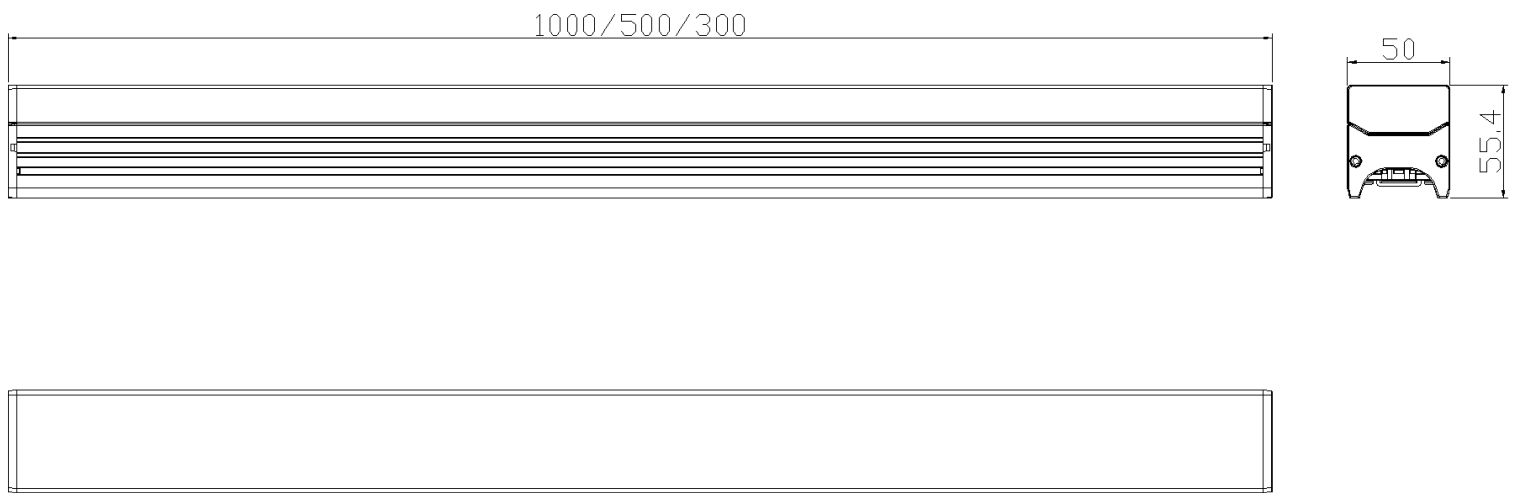
(1) RGB, RGBW and tW are only available in DMX

(2) For detailed pixels information, please check page 2

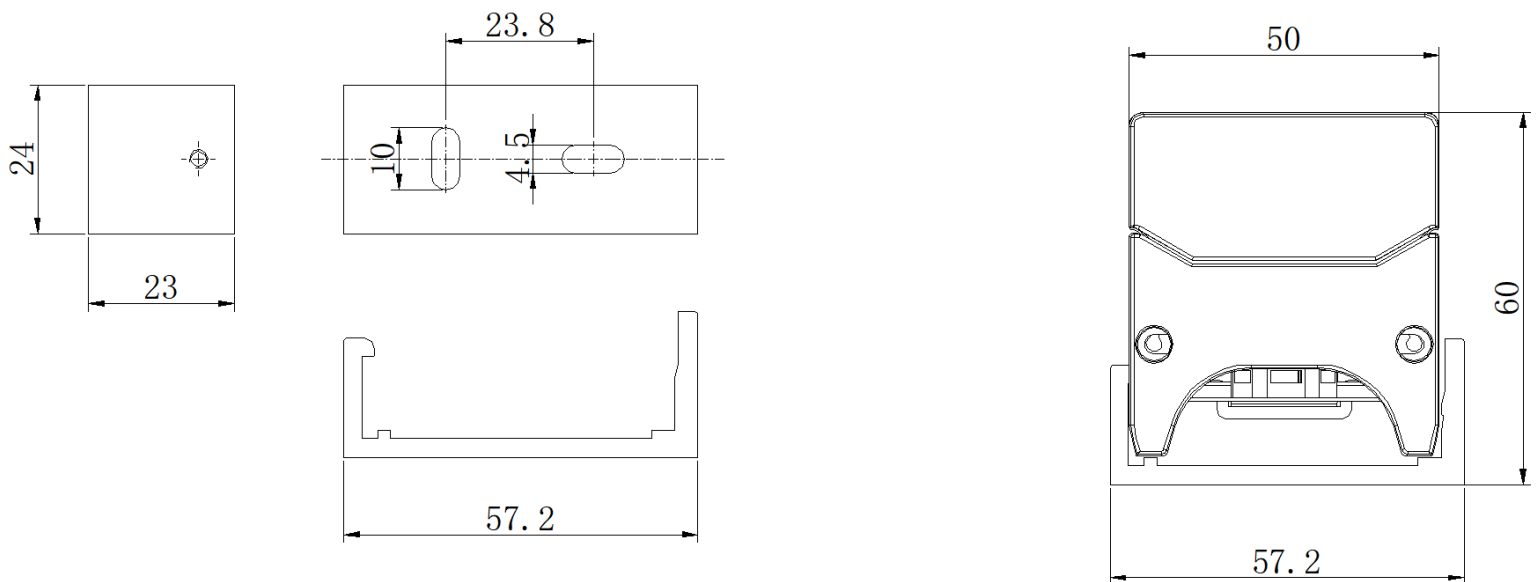
Product Data

Product Family	MagicTube Large (BCS349 L)		
Dimensions (L x W x H)	300/500/1000 mm x 55 mm x 55.4 mm (without brackets) 300/500/1000 mm x 57.2 mm x 60 mm (with brackets)		
Source	Low power LED		
Lumen Maintenance	White: 50,000 hrs L70B50 at 35°C RGB: 50,000 hrs L50B50 @ 35°C		
Housing	Extruded aluminum		
Finishing	Anodic oxidation		
Color	Silver		
Standard Bracket Type	Surface mounting brackets		
Standard Bracket Material	Extruded aluminum		
Adjustability	Fixed, not adjustable		
Optical Cover	Anti-aging and anti-UV, high optical efficiency PC opal covers		
Gasket	Silicon		
Control Interfaces	On/Off DMX512		
Input Voltage	24V DC		
Maximum Current	6A		
IEC Classification	Class III		
Power Cable (On/Off)	2 pole flat cable, 2x1.0mm ² with connectors		
Power/Signal Cable (DMX)	5 pole flat cable, 2x1.0mm ² + 3x0.3mm ² with connectors		
Cables Lengths	Input = 15cm, Output = 15cm		
Connectors	IP67 male/female connectors for through power+signal connection		
Lengths	300mm	500mm	1000mm
No. of LEDs	36	60	120
Power Consumption	7.5W	12W	24W
Standard No. of Pixels (IDs)	3	5	10
Weight	0.39 kg	0.65 kg	1.3 kg
Standard CCT/Colors	2700K, 3000K, 4000K, RGB, RGBW		
Standard Beam Angles (HxV)	120x145°		
Standard White CRI	80		
White SDCM	4		
Colors Wavelengths	R: 620 to 625nm; G 525 to 530nm; B: 470 to 475nm		
Temperature Range	-40°C to 50°C (Operating) -35°C to 50°C (Startup) -40°C to 70°C (Storage)		
Protection Rating	IP66, IK08		
Certifications	CE, CB, CQC (in progress)		
Warranty	3 Years		
Customization	Custom lengths for up to L120 Higher number of pixels for some configurations (up to 20PX / meter)		

Luminaire Dimensions:



Mounting Brackets



Order Information:

Description	Power (W)
BCS349 L 120LED 27K 24V OC L100 10PX	24W
BCS349 L 120LED 27K 24V OC L100 DMX	24W
BCS349 L 120LED 27K 24V OC L100	24W
BCS349 L 120LED 30K 24V OC L100 10PX	24W
BCS349 L 120LED 30K 24V OC L100 DMX	24W
BCS349 L 120LED 30K 24V OC L100	24W
BCS349 L 120LED 40K 24V OC L100 10PX	24W
BCS349 L 120LED 40K 24V OC L100 DMX	24W
BCS349 L 120LED 40K 24V OC L100	24W
BCS349 L 120LED RGB 24V OC L100 10PX	24W
BCS349 L 120LED RGB 24V OC L100 DMX	24W
BCS349 L 120LED RGBWW 24V OC L100 10PX	24W
BCS349 L 120LED RGBWW 24V OC L100 DMX	24W
BCS349 L 120LED RGBNW 24V OC L100 10PX	24W
BCS349 L 120LED RGBNW 24V OC L100 DMX	24W
BCS349 L 60LED 27K 24V OC L50 5PX	12W
BCS349 L 60LED 27K 24V OC L50 DMX	12W
BCS349 L 60LED 27K 24V OC L50	12W
BCS349 L 60LED 30K 24V OC L50 5PX	12W
BCS349 L 60LED 30K 24V OC L50 DMX	12W
BCS349 L 60LED 30K 24V OC L50	12W
BCS349 L 60LED 40K 24V OC L50 5PX	12W
BCS349 L 60LED 40K 24V OC L50 DMX	12W
BCS349 L 60LED 40K 24V OC L50	12W
BCS349 L 60LED RGB 24V OC L50 5PX	12W
BCS349 L 60LED RGB 24V OC L50 DMX	12W
BCS349 L 60LED RGBWW 24V OC L50 5PX	12W

¹ Other options are available upon request

Order Information:

Description	Power (W)
BCS349 L 60LED RGBWW 24V OC L50 DMX	12W
BCS349 L 60LED RGBNW 24V OC L50 5PX	12W
BCS349 L 60LED RGBNW 24V OC L50 DMX	12W
BCS349 L 36LED 27K 24V OC L30 3PX	7.5W
BCS349 L 36LED 27K 24V OC L30 DMX	7.5W
BCS349 L 36LED 27K 24V OC L30	7.5W
BCS349 L 36LED 30K 24V OC L30 3PX	7.5W
BCS349 L 36LED 30K 24V OC L30 DMX	7.5W
BCS349 L 36LED 30K 24V OC L30	7.5W
BCS349 L 36LED 40K 24V OC L30 3PX	7.5W
BCS349 L 36LED 40K 24V OC L30 DMX	7.5W
BCS349 L 36LED 40K 24V OC L30	7.5W
BCS349 L 36LED RGB 24V OC L30 3PX	7.5W
BCS349 L 36LED RGB 24V OC L30 DMX	7.5W
BCS349 L 36LED RGBWW 24V OC L30 3PX	7.5W
BCS349 L 36LED RGBWW 24V OC L30 DMX	7.5W
BCS349 L 36LED RGBNW 24V OC L30 3PX	7.5W
BCS349 L 36LED RGBNW 24V OC L30 DMX	7.5W

¹ Other options are available upon request

Accessories

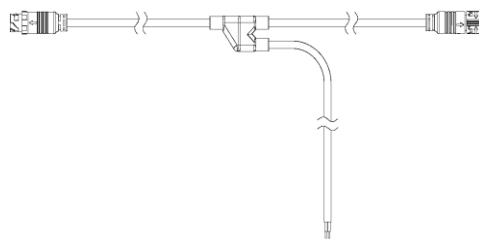
12NC	Description
911401761752	ZXP390 Lead 2P DC cable 2m (10 pcs)
911401761762	ZXP390 Jump 2P DC cable 2m (10 pcs)
911401761722	ZXP390 Lead 5P DC/DMX cable 2m (10 pcs)
911401761732	ZXP390 Jump 5P DC/DMX cable 2m (10 pcs)
911401761742	ZXP390 Y-connect kit 5P DC/DMX (10 pcs)
911401761792	ZXP390 Jump 5P DMX connector (10 pcs)
911401761772	ZXP390 endcap male connector (20 pcs)
911401761782	ZXP390 endcap female connector (20 pcs)

¹ Different cables lengths are available upon request

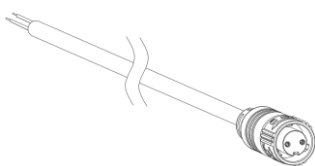
² End caps must be used at the end of each run

Rated System Lumen Output ($\pm 10\%$):

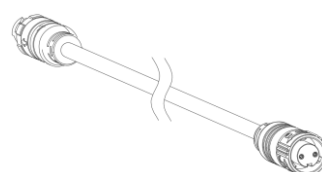
CCT/Color DMX (All channels On)	L30			L50			L100		
	Lumen	Max Cd	Nit	Lumen	Max Cd	Nit	Lumen	Max Cd	Nit
2700K	480	105	6,350	765	165	6,075	1535	335	6,095
3000K	480	105	6,350	765	165	6,075	1535	335	6,095
4000K	510	110	6,750	815	175	6,470	1630	355	6,470
RGB	185	40	2,445	300	65	2,380	600	130	2,380
RGBWW	340	70	4,500	545	115	4,325	1095	240	4,345
RGBNW	350	75	4,630	560	120	4,445	1125	245	4,465



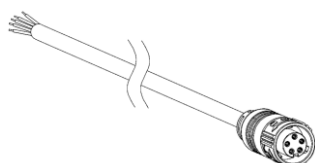
Y-connector kit 5P DC/DMX



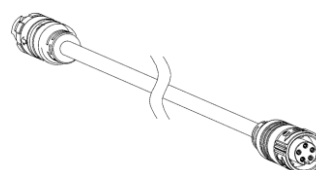
Leader cable 2P DC 2m



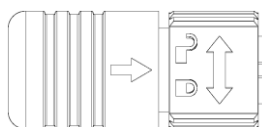
Jumper cable 2P DC 2m



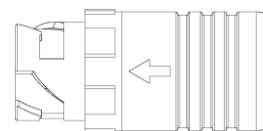
Leader cable 5P DC/DMX 2m



Jumper cable 5P DC/DMX 2m



End cap for male connectors



End cap for female connectors

