# LiteMagic

# MagicTube  - Small (BCS349 S)

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 S)

- 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

- Two types of mounting brackets to fit different applications

- Available in DMX control option

## Ordering guide

*ex: BCS349 S 96LED RGBNW 24V OC L100 8PX*

| BCS349 S | LED | | 24V | | L | |
|---|---|---|---|---|---|---|
| **Family** | **LEDs** | **CCT / Color** [1] | **Voltage** | **Cover Type** | **Length** | **Control/Pixels** [2] |
| **BCS349 S** – MagicTube Small | **12LED** **24LED** **48LED** | **27K** – 2700K **30K** – 3000K **40K** – 4000K **50K** – 5000K **RGB** – RGB **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 **2PX** – DMX 2PX **4PX** – DMX 4PX **8PX** – DMX 8PX |
| | **24LED** **48LED** **96LED** | **RGBWW** – RGBW(3000K) **RGBNW** – RGBW(4000K) | | | | |

(1)    RGB, RGBW and tW are only available in DMX
(2)    For detailed pixels information, please check page 2

## Product Data

| | 300mm | 500mm | 1000mm |
|---|---|---|---|
| Product Family | MagicTube Small (BCS349 S) | | |
| Dimensions (L x W x H) | 300/500/1000 mm x 22 mm x 45 mm (without bracket)  300/500/1000 mm x 28 mm x65 mm (with clip-in 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 | Clip-in bracket | | |
| Standard Bracket Material | Stainless steel | | |
| Adjustability | Fixed, not adjustable | | |
| Optical Cover | Anti-aging and anti-UV high optical efficiency PC  opal cover (OC) | | |
| 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 = 20cm, Output = 10cm | | |
| Connectors | IP67 male/female connectors for through power+signal connection | | |
| Lengths | 300mm | 500mm | 1000mm |
| No. of LEDs  (Mono/RGB) | 12 | 24 | 48 |
| No. of LEDs (RGBW) | 24 | 48 | 96 |
| Power Consumption | 3W | 6W | 12W |
| Standard No. of Pixels (IDs) | 2 | 4 | 8 |
| Weight | 0.4 kg | 0.5 kg | 0.8 kg |
| Standard CCT/Colors | 2700K, 3000K, 4000K, RGB, RGBW | | |
| Standard Beam Angle (HxV) | 115x145° | | |
| 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 | | |
| Warranty | 3 Years | | |
| Customization (available upon request) | Custom lengths for up to L120  Higher power (up to 15W/m)  Surface mounting slide-in brackets  Higher number of pixels for some configurations (up to 16PX / meter) | | |

**Luminaire Dimensions:**

22

45

300/500/1000
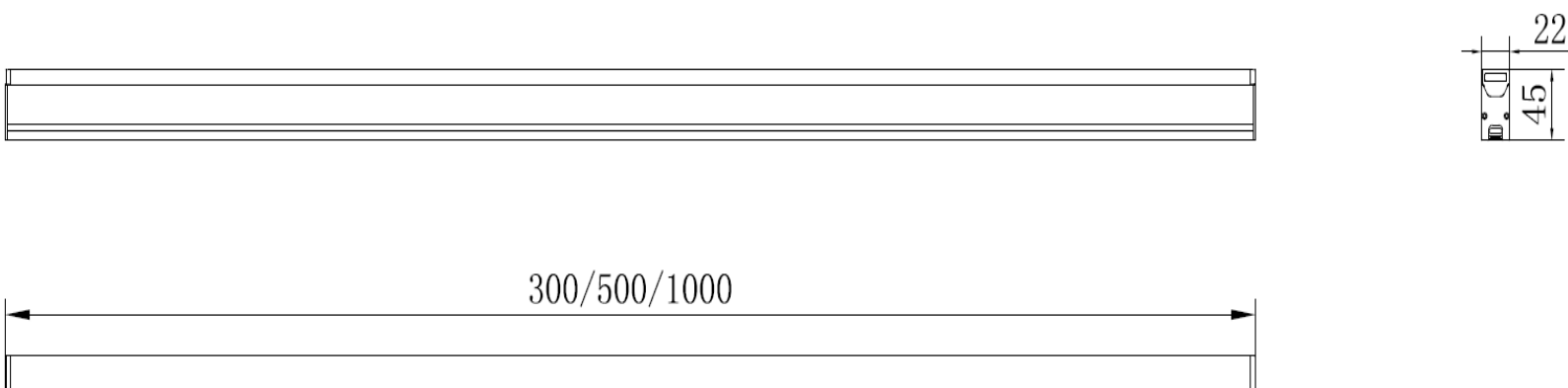
**Clip-in Mounting Brackets (Standard)**
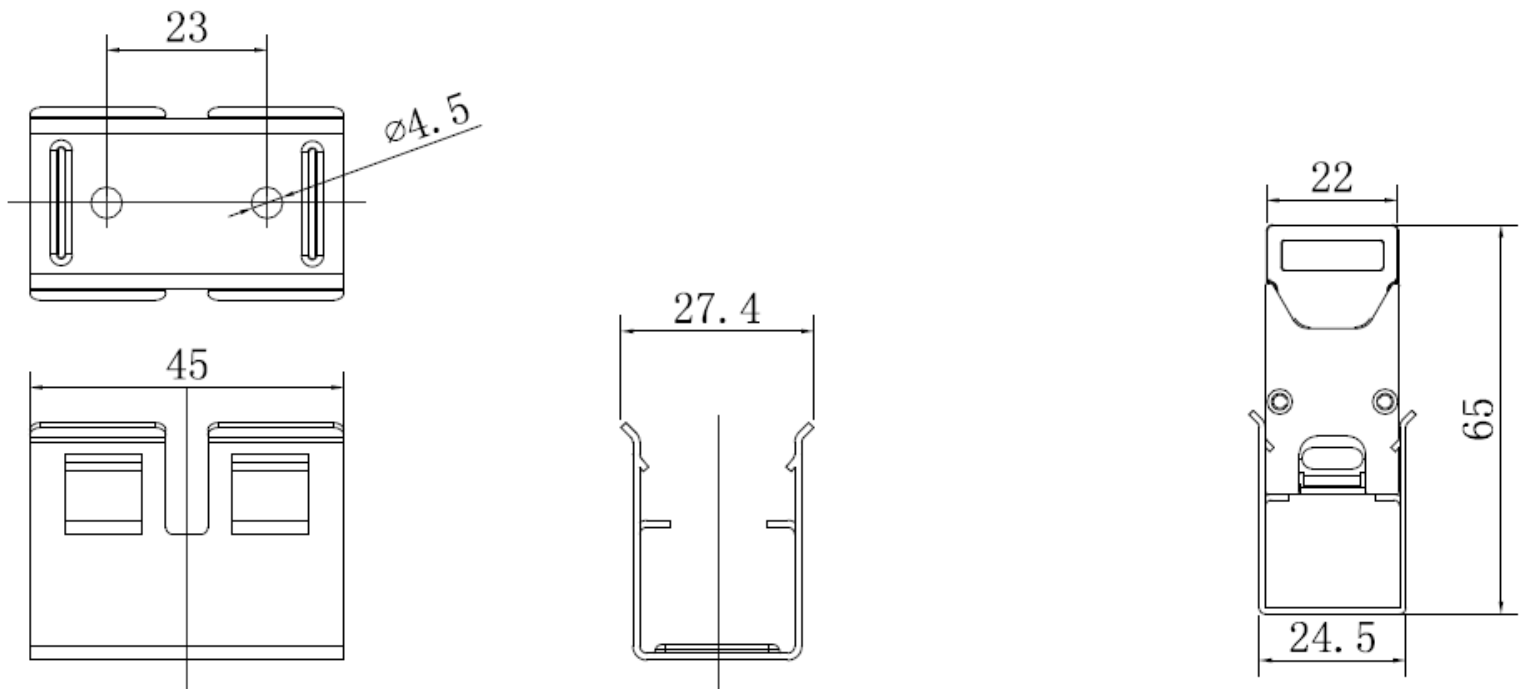
**Slide-in Mounting Brackets (Supplied Upon Request)**
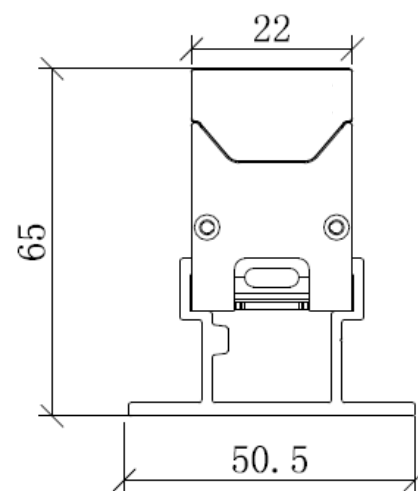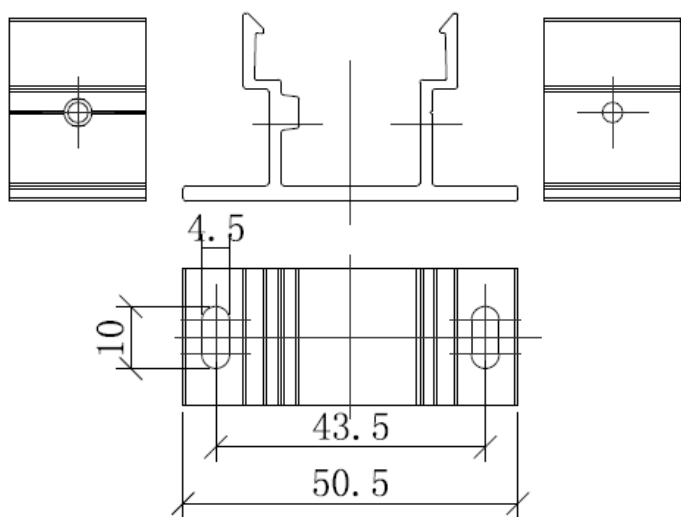
**Order Information:**

| Description | Power (W) |
|---|---|
| BCS349 S 48LED 27K 24V OC L100 8PX | 12W |
| BCS349 S 48LED 27K 24V OC L100 | 12W |
| BCS349 S 48LED 30K 24V OC L100 8PX | 12W |
| BCS349 S 48LED 30K 24V OC L100 | 12W |
| BCS349 S 48LED 40K 24V OC L100 8PX | 12W |
| BCS349 S 48LED 40K 24V OC L100 | 12W |
| BCS349 S 48LED RGB 24V OC L100 8PX | 12W |
| BCS349 S 96LED RGBWW 24V OC L100 8PX | 12W |
| BCS349 S 96LED RGBNW 24V OC L100 8PX | 12W |
| BCS349 S 24LED 27K 24V OC L50 4PX | 6W |
| BCS349 S 24LED 27K 24V OC L50 | 6W |
| BCS349 S 24LED 30K 24V OC L50 4PX | 6W |
| BCS349 S 24LED 30K 24V OC L50 | 6W |
| BCS349 S 24LED 40K 24V OC L50 4PX | 6W |
| BCS349 S 24LED 40K 24V OC L50 | 6W |
| BCS349 S 24LED RGB 24V OC L50 4PX | 6W |
| BCS349 S 48LED RGBWW 24V OC L50 4PX | 6W |
| BCS349 S 48LED RGBNW 24V OC L50 4PX | 6W |
| BCS349 S 12LED 27K 24V OC L30 2PX | 3W |
| BCS349 S 12LED 27K 24V OC L30 | 3W |
| BCS349 S 12LED 30K 24V OC L30 2PX | 3W |
| BCS349 S 12LED 30K 24V OC L30 | 3W |
| BCS349 S 12LED 40K 24V OC L30 2PX | 3W |
| BCS349 S 12LED 40K 24V OC L30 | 3W |
| BCS349 S 12LED RGB 24V OC L30 2PX | 3W |
| BCS349 S 24LED RGBWW 24V OC L30 2PX | 3W |
| BCS349 S 24LED RGBNW 24V OC L30 2PX | 3W |

[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 (±10%):

| CCT/Color DMX (All channels On) | L30 | | | L50 | | | L100 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Lumen | Max Cd | Nit | Lumen | Max Cd | Nit | Lumen | Max Cd | Nit |
| 2700K | 145 | 32 | 4,790 | 290 | 64 | 5,750 | 565 | 124 | 5,600 |
| 3000K | 145 | 32 | 4,790 | 290 | 64 | 5,750 | 565 | 124 | 5,600 |
| 4000K | 155 | 34 | 5,120 | 305 | 67 | 6,040 | 600 | 132 | 5,940 |
| RGB | 35 | 8 | 1,300 | 75 | 16 | 1,660 | 155 | 34 | 1,710 |
| RGBWW | 70 | 15 | 2,630 | 145 | 32 | 3,160 | 290 | 64 | 3,160 |
| RGBNW | 75 | 16 | 2,800 | 150 | 33 | 3,360 | 300 | 66 | 3,360 |
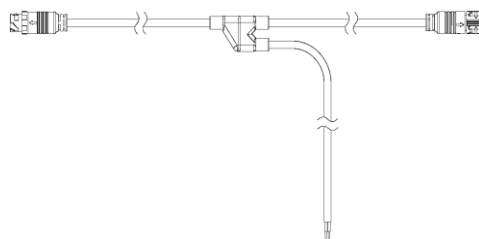
Y-connector kit 5P DC/DMX
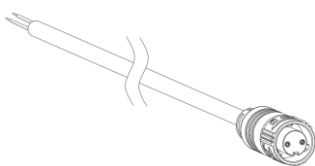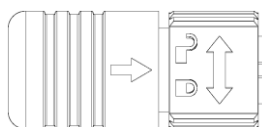
Leader cable 2P DC 2m
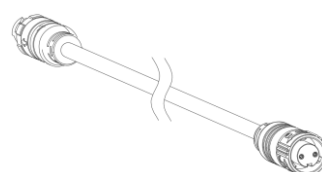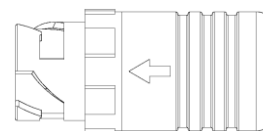
Jumper cable 2P DC 2m
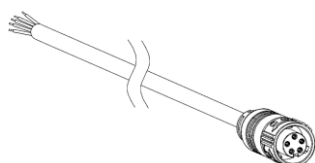
Leader cable 5P DC/DMX 2m
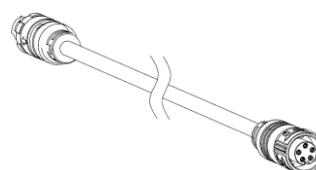
Jumper cable 5P DC/DMX 2m

End cap for male connectors

End cap for female connectors

# signify

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