

INSTRUCTION MANUAL

KROMASTAR SPOT

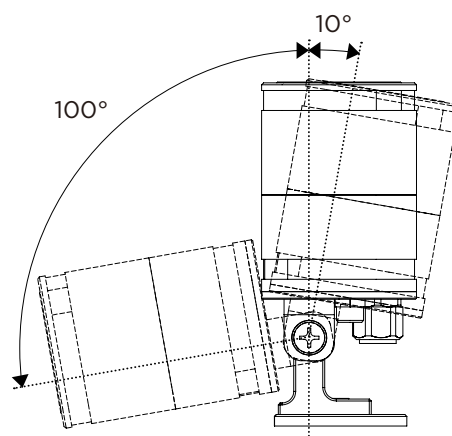
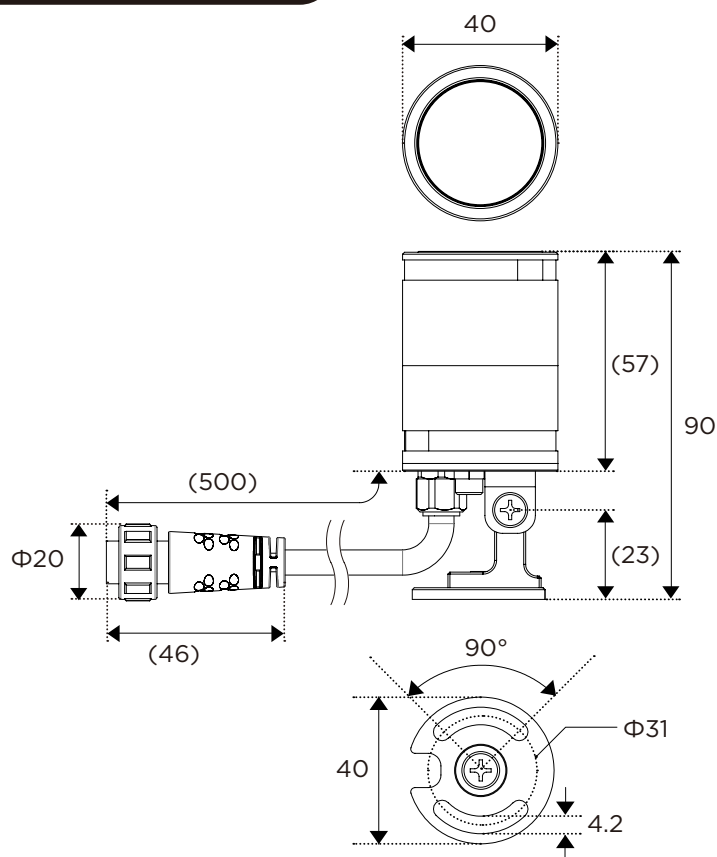
Product code :

KSP01-RGBW-30D-B

Beam Angle

Module Color

SPECIFICATIONS (mm)



Voltage	24VDC
Wattage	4W
Main Materials	Aluminum(Main body), PC(LED Cover)
Weight	200g
Beam Angle	30D : 30°
Lead Cable	0.5m
IP	IP66
Connector Diameter	Φ20mm

Please read before use

- Thank you very much for your purchase of TOKISTAR products. To ensure safe use of this product, be sure to read this Instruction Manual before use. Be sure to keep this manual.
- Please make sure that the type and quantity of the product matches the information in the shipping instructions.
- The product is carefully packed at the time of shipment, but please inform us immediately if the product is damaged when you open the package.



PRECAUTIONS

1. Read all instructions completely before beginning installation.
2. Turn off electricity before beginning installation. Otherwise, LEDs may be damaged.
3. All wiring is to be performed by a qualified electrician.
4. Installation must comply with the safety standards of each country and all applicable codes.
5. Turn main supply to LED Driver ON only after all connections have been made and tested.

01 For Your Safety



This fixture is designed for 24VDC only. Applying voltage beyond the rated level may damage internal components and cause failure, shorten the product lifetime, or change the color output. Please take extra care during wiring.

Do not use this fixture in the following conditions:

- ⊗ Ambient temperature outside 0–40°C
- ⊗ Locations with heavy dust or strong vibration
- ⊗ Locations with flammable or corrosive gases
- ⊗ Environments where the fixture may be submerged in water

If you are unsure whether your installation environment is suitable, please contact us.

02 Installation

Before installation, please check the following points to ensure both safety and proper lighting performance:

1. Adjustable Holder Orientation

When unpacked, the adjustable holder is positioned toward the side of the fixture.

Install it in this state as shown in **Figure 1** then adjust to the desired angle afterwards.

2. Wiring Space

Confirm the wiring layout in advance.

The fixture lead connector is approx. $\Phi 20 \times L100$ mm.

Ensure sufficient space for this connector as well as other components.

3. Mounting Surface Strength

Install only on a surface that can be securely screwed into and has sufficient strength to support the fixture's weight.

Before installation, confirm the surface size, strength, and available space for wiring.

4. Minimum Space Requirements

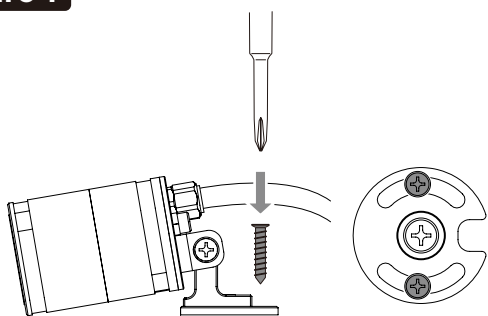
For recessed installations, ensure at least the space shown in **Figure 2**.

These dimensions are based on the fixture's adjustable angle and heat dissipation requirements, and do not account for optical effects such as cutoff or glare.

5. Illumination Distance

If the light source is installed too close to the illuminated surface, unexpected effects such as harsh light streaks may occur. It is recommended to test the lighting effect in advance.

Figure 1



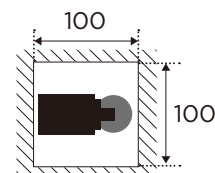
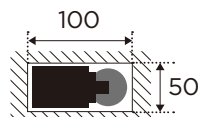
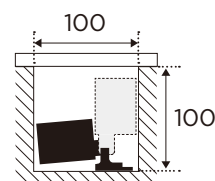
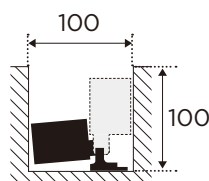
Secure the Adjustable Holder to the mounting surface with two screws.

Prepare 4 mm diameter screws suitable for the mounting surface.

Figure 2 Minimum Space Requirements (mm)

Open environment

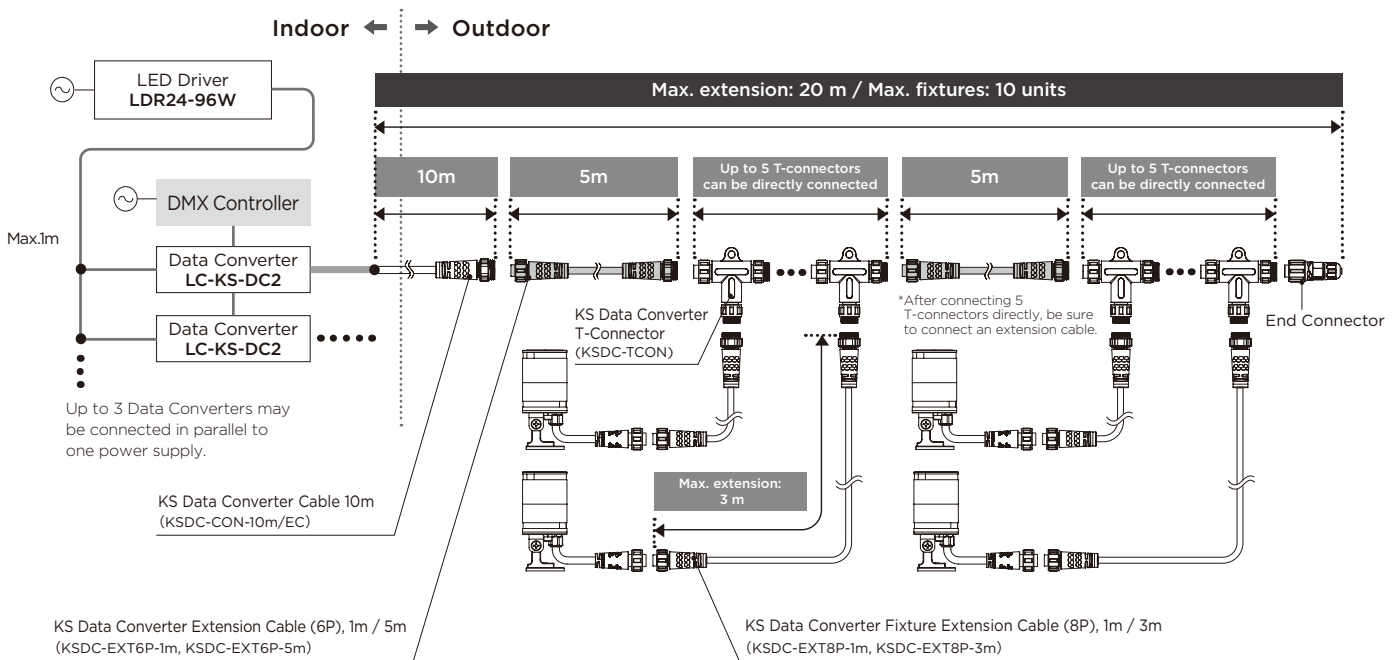
Closed environment



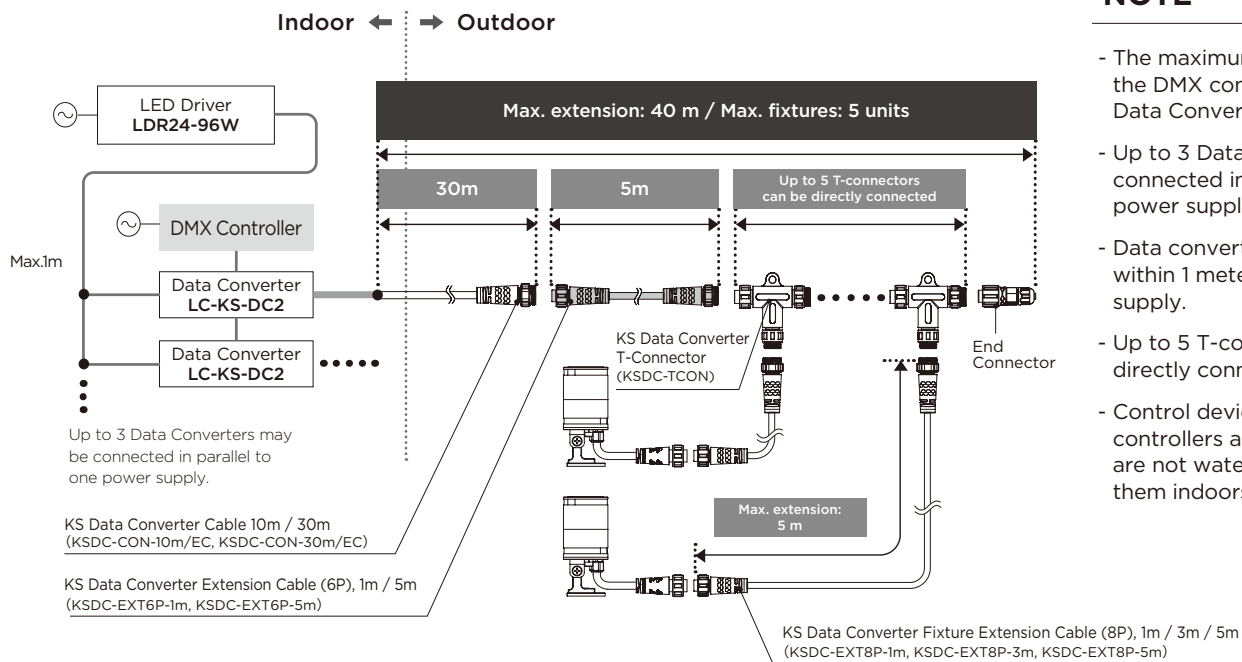
03 Power Supply & Wiring Diagram

The wiring diagram is provided as a reference example only. Wiring may vary depending on electrical specifications, lighting effects, and site conditions.

When connecting 6 to 10 fixtures



When connecting 5 or fewer fixtures

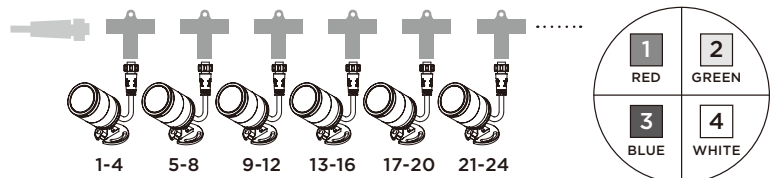


NOTE

- The maximum cable length from the DMX controller to the last Data Converter is 200 meters.
- Up to 3 Data Converters can be connected in parallel to one power supply.
- Data converters must be wired within 1 meter from the power supply.
- Up to 5 T-connectors can be directly connected in series.
- Control devices such as controllers and Data Converters are not waterproof. Please install them indoors.

Assigning Addresses

Each LED module contains Red, Green, Blue, and White LED dies. These are given unique DMX addresses at the factory and cannot be changed on site. Unless otherwise specified, we will assign the first module next to the lead wire to DMX addresses 1-4. Each succeeding module will be assigned the next 4 addresses as shown in the example the right with 6 modules.

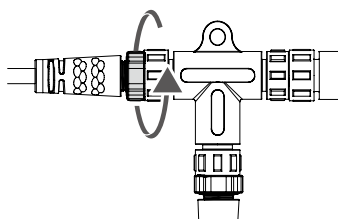


This fixture requires dedicated installation parts, such as cables with connectors, to make connector-type connections. Power supplies and Data Converters are connected with commercially available cables.

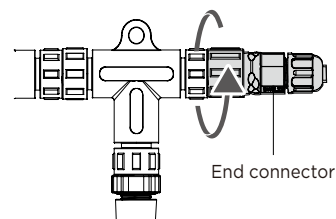
Before mating the connectors, inspect them for foreign objects or contamination. Ensure proper alignment and insert the connector straight. Then, rotate the locking ring and tighten it securely to prevent loosening.

Avoid applying external force to the connectors. If the cable sags, secure it to prevent strain.

Rotate the locking ring at connector tip to secure it tightly.



Install an End Connector to the last fixture's output in each circuit.



End connector :
Included with KS Data Converter Cable.



CAUTION

- Fixtures have polarity. Be sure to check before connecting. Perform wiring with the power off
- Maximum cable length from the DMX controller to the last Data Converter is 200 m.
- Up to 3 Data Converters may be connected in parallel to one power supply.

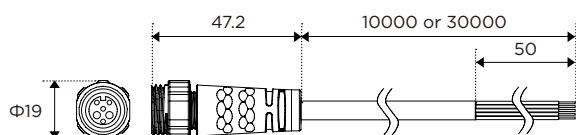
- Wire Data Converters within 1 m of the power supply.
- Up to 5 T-connectors can be directly connected. Avoid placing loads on connectors, or secure them to prevent stress.
- Control devices such as controllers and data converters are not waterproof. Install indoors.

04 Installation Parts

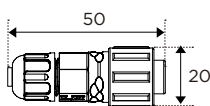
SPECIFICATIONS (mm)

KS Data Converter Cable 10m / 30m (with End Connector)

Product code : KSDC-CON-10m/EC
KSDC-CON-30m/EC

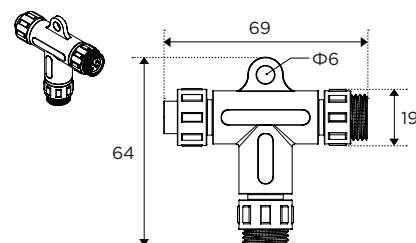


End Connector



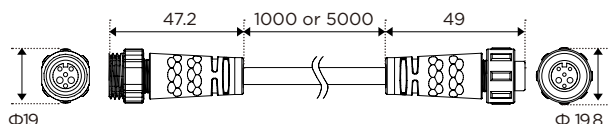
KS Data Converter T-connector

Product code : KSDC-TCON



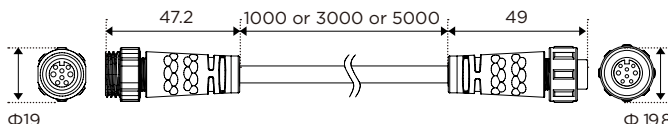
KS Data Converter Extension Cable (6P), 1m / 5m

Product code : KSDC-EXT6P-1m
KSDC-EXT6P-5m



KS Data Converter Fixture Extension Cable (8P), 1m / 3m / 5m

Product code : KSDC-EXT8P-1m
KSDC-EXT8P-3m
KSDC-EXT8P-5m



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