



Special lighting fixtures for buildings, tunnels, bridges, gardens, squares, etc.

IP67

IP Rating

08
5 kg
10 cm
5 J

IK Rating

ABOVE WATER

Water Depth

SURFACE MOUNTED

Mounting Method

Class III

Safety Class

CE

Certification Mark

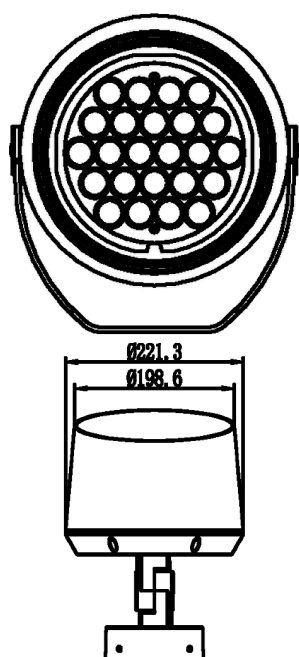
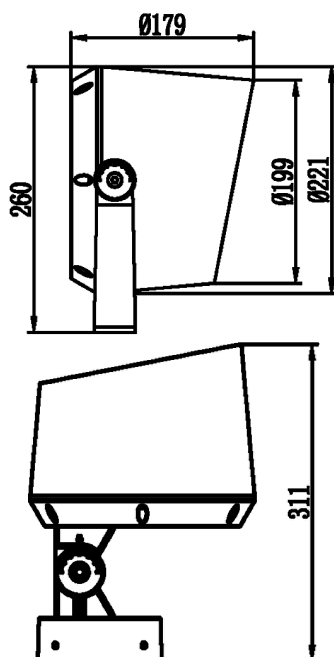
RoHS

Environmental Mark

RECYCLABLE

Recyclable Mark

DIMENSIONS



Unit:mm

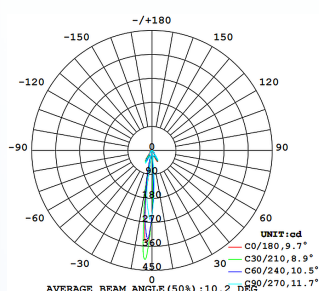
TECHNICAL DATA
TG006F

ELECTRICAL	ELECTRICAL PARAMETERS	
	Typical Power Power Consumption	60 W / 100 W @RGBW
	Input Current	AC90~265V
	Control Method Control	ON OFF/DMX512 / DALI / 0-10V
	Cable Order Wiring	1 in (one in)
	Security Level Class	Class III
LIGHT SOURCE	LED LIGHT SOURCE PARAMETERS	
	LED Chip Brand Brand	CREE/TX
	LED Chip Type Type	RJ5050 / TX3535/XPB3.5/XML-C
	LED Quantity Qty	12PCS /24 PCS
	Colour (CCT) Colour	2200K/2700K/3000K/4000K/6500K/RGBW
	CRI Rendering	Ra ≥ 70/Ra ≥ 80/Ra ≥ 90
	Typical Light Efficiency Efficacy	>80 lm/W (3000K) · >30 lm/W (RGBW)
	Lifetime Life	50,000 H
STRUCTURE	STRUCTURAL PARAMETERS	
	Material Housing	Aluminum
	Cover Glass	PMMA, T = 5 mm
	Beam Angle Angle	10°/20°/30°/60°
	Product Dimensions Size	See DIMENSIONS drawing
	Weight Mass	3.7 kg
ENVIRONMENT	ENVIRONMENTAL PARAMETERS	
	Working Temperature Temp	-25°C ~ +45°C
	Storage Humidity Humidity	0 ~ 90%
	IP Code IP	IP67
	IK Code IK	IK08

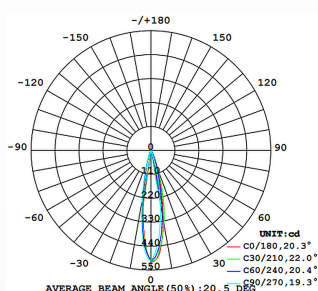
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Beam 10° / 20° / 30° / 60°

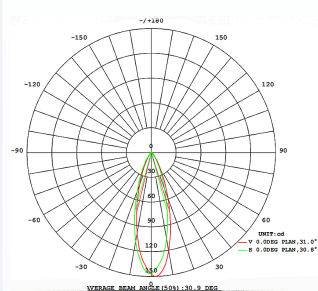
BEAM ANGLE 10°



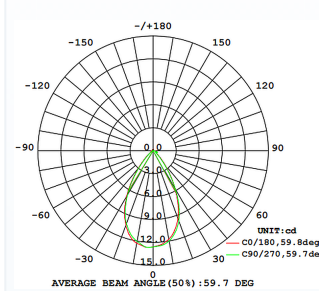
BEAM ANGLE 20°



BEAM ANGLE 30°



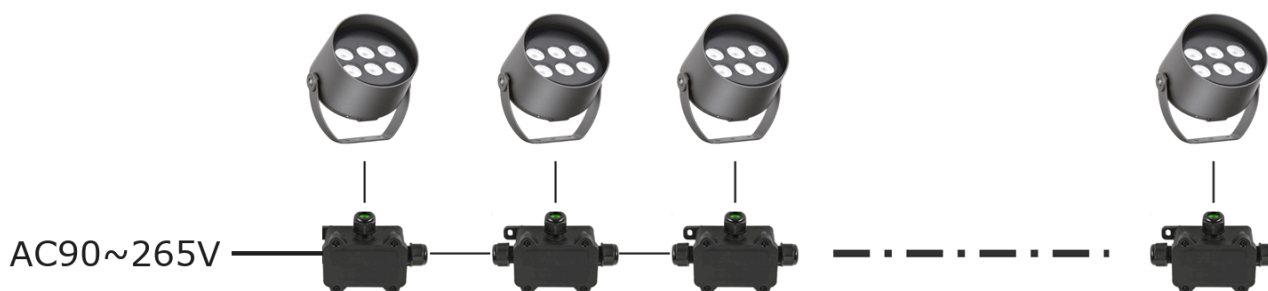
BEAM ANGLE 60°



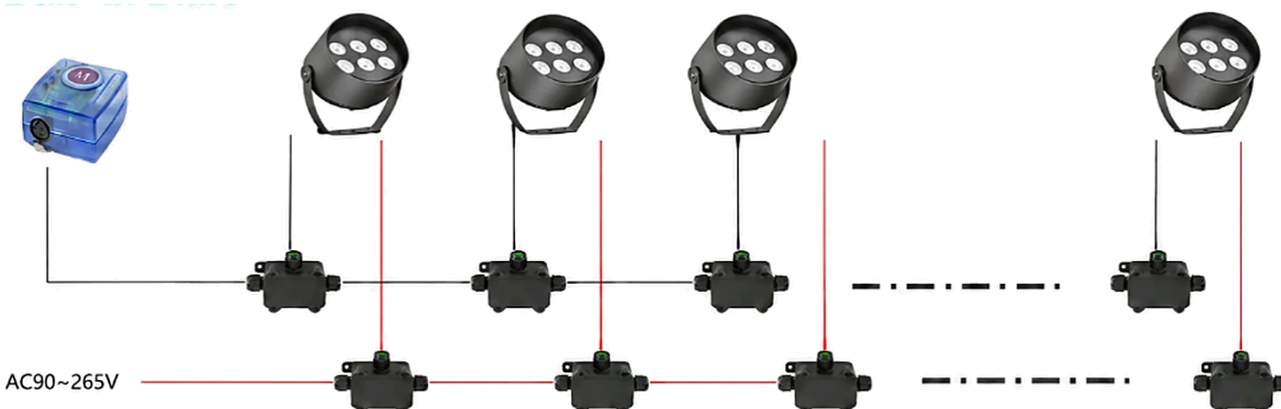
SYSTEM DIAGRAM

WIRING TOPOLOGY

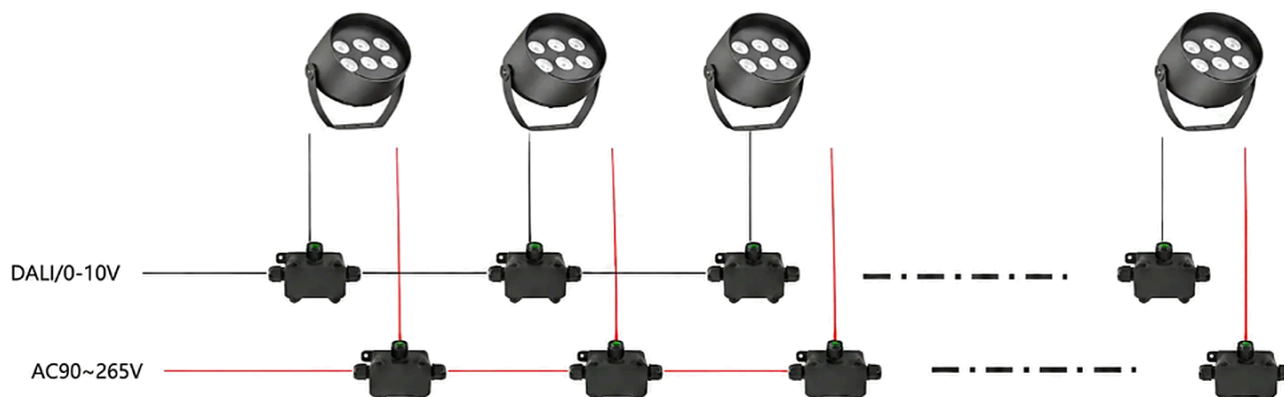
ON/OFF



Built-in DMX



DALI 0-10V



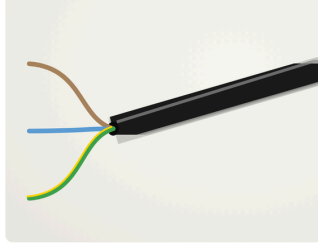
WIRE COLOUR DEFINITION

TG006F

WIRING COLOUR / DESIGNATION REFERENCE

Non-Dimmable Line Voltage 220 to 240 Vac - International

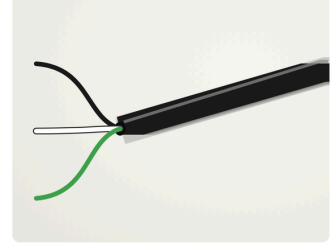
DESIGNATION	COLOR
Line	Brown
Neutral	Blue
Ground/Earth	Green/ Yellow



WIRING COLOUR / DESIGNATION REFERENCE

Non-Dimmable Line Voltage 120/277 Vac - North America

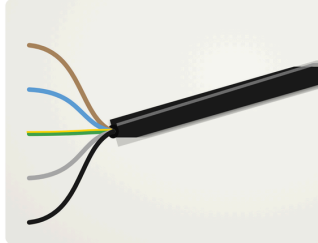
DESIGNATION	COLOR
Line	Black
Neutral	White
Ground/Earth	Green



WIRING COLOUR / DESIGNATION REFERENCE

DALI Line Voltage 220 to 240 Vac - International

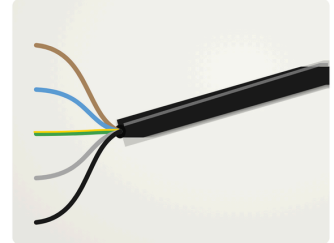
DESIGNATION	COLOR
Line	Brown
Neutral	Blue
Ground/Earth	Green/ Yellow
DALI+	Grey
DALI-	Black



WIRING COLOUR / DESIGNATION REFERENCE

0-10 V Line Voltage 220 to 240 Vac - International

DESIGNATION	COLOR
Line	Brown
Neutral	Blue
Ground/Earth	Green/ Yellow
0-10V+	Grey
0-10V-	Black



INSTALLATION & USAGE NOTES

PRECAUTIONS

OBSERVE THE FOLLOWING PRECAUTIONS WHEN INSTALLING AND OPERATING THE LUMINAIRE

- Installation and wiring must be carried out by a qualified electrician in accordance with local electrical codes and these instructions.
- Operate the luminaire only on the rated low-voltage DC supply (see Technical Parameters); never connect it directly to mains voltage.
- Do not energise the luminaire out of water for extended periods — dry operation may cause overheating and shorten LED life.
- Inspect cables, seals and glands periodically; damaged sheaths or ageing seals must be replaced immediately by qualified personnel.
- Always isolate the power supply before installation, maintenance or lamp replacement; verify the circuit is de-energised before touching any connector.
- All cable entries, glands and junction boxes must be properly sealed to keep the IP68 rating; use only the supplied or approved waterproof connectors.
- Maintain pool / water-feature water chemistry (pH and chlorine levels) within normal ranges to preserve the SUS316 stainless-steel housing and trims.
- Use only genuine LESAN replacement parts; any unauthorised modification voids the warranty.