



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

IP67

IP Rating



IK Rating



Water Depth



Mounting Method



Class III
Safety Class



Certification Mark

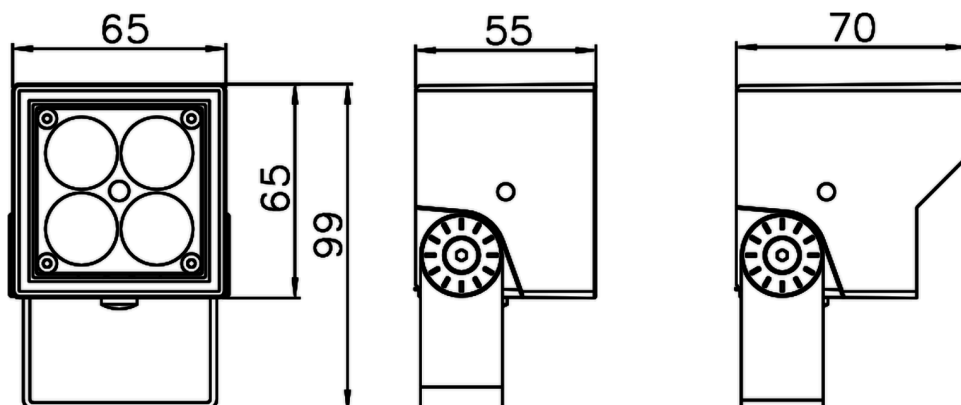


RoHS
Environmental Mark



RECYCLABLE
Recyclable Mark

DIMENSIONS



unit: mm

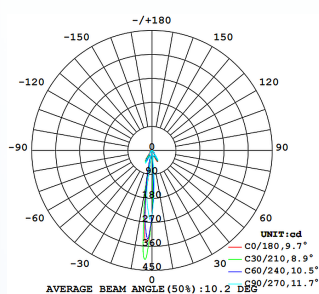
TECHNICAL DATA
TG003B

ELECTRICAL	ELECTRICAL PARAMETERS	
	Typical Power Power Consumption	9W / 12 W @RGBW
	Input Current	DC24V
	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
	LED Quantity Qty	4 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	0.5 kg
ENVIRONMENT	ENVIRONMENTAL PARAMETERS	
	Working Temperature Temp	-25°C ~ +45°C
	Storage Humidity Humidity	0 ~ 90%
	IP Code IP	IP67
	IK Code IK	IK08

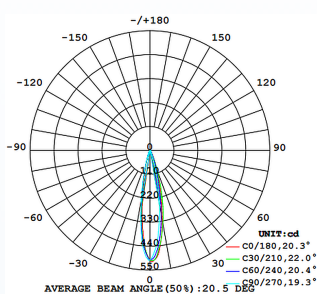
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Beam 10° / 20° / 30° / 60°

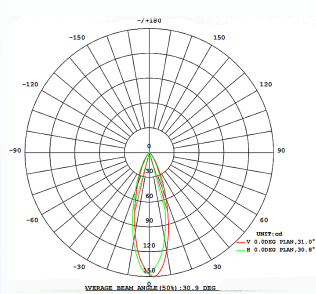
BEAM ANGLE 10°



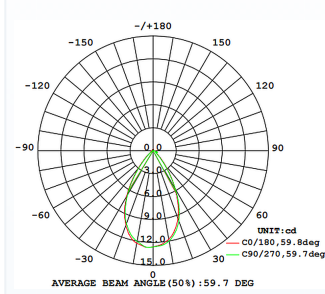
BEAM ANGLE 20°



BEAM ANGLE 30°



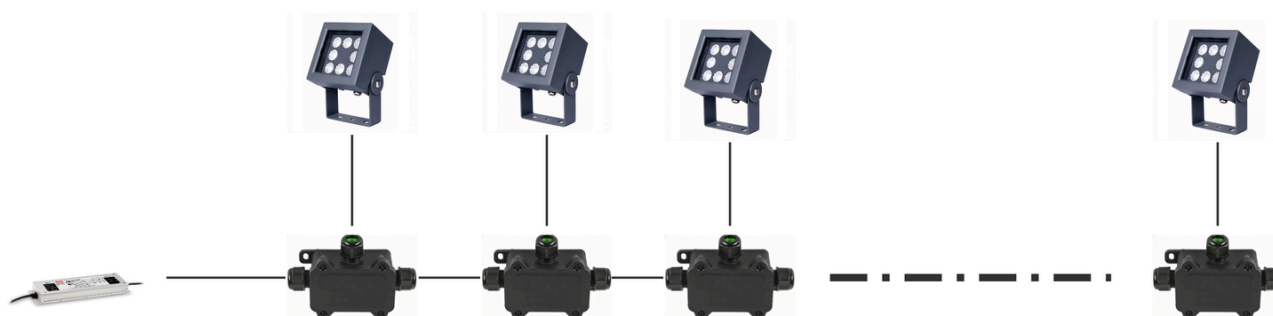
BEAM ANGLE 60°



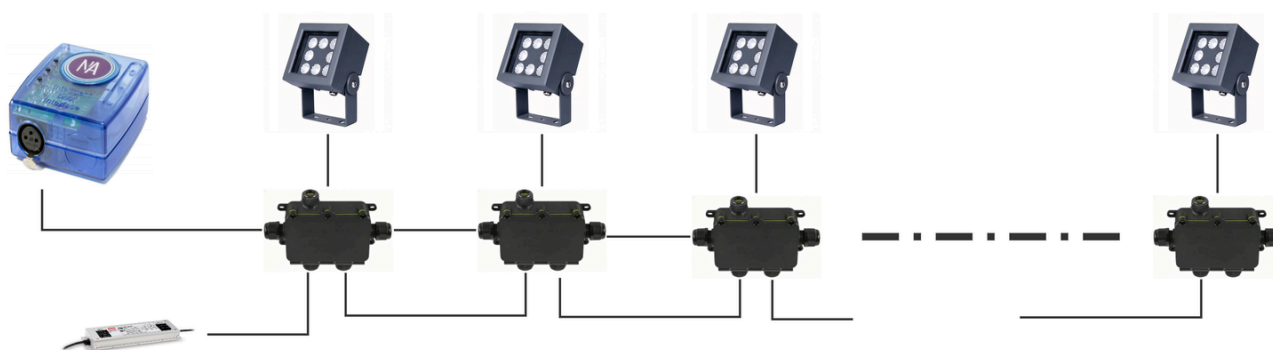
SYSTEM DIAGRAM

WIRING TOPOLOGY

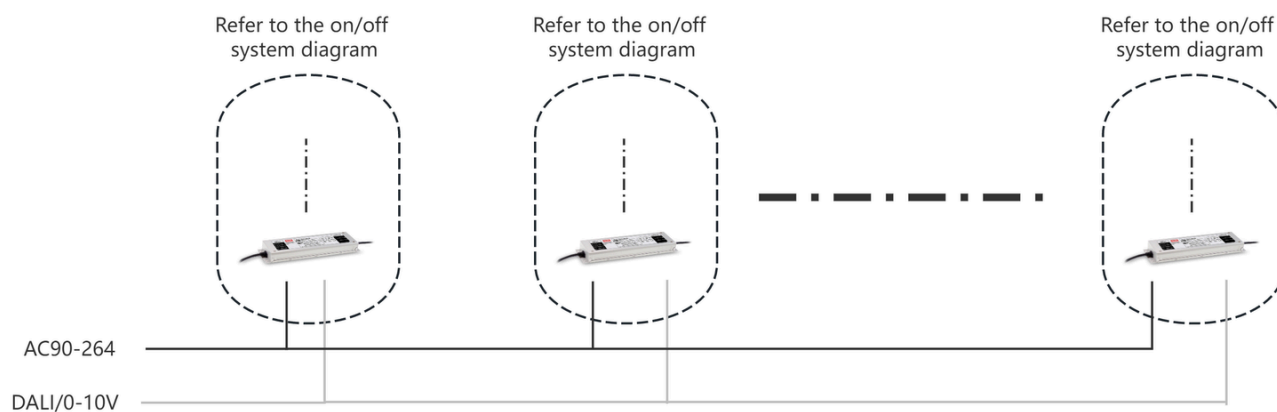
ON/OFF



Built-in DMX



DALI 0-10V

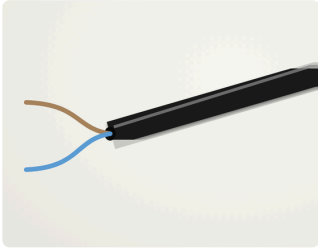


WIRE COLOUR DEFINITION

TG003B

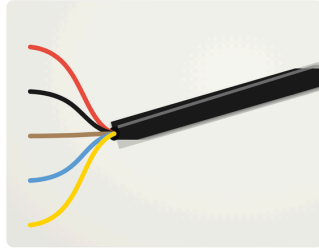
WIRING COLOUR / DESIGNATION REFERENCE
Non-Dimmable Line Voltage 12 to 48 Vdc

DESIGNATION	COLOR
V+	Brown
V-	Blue



WIRING COLOUR / DESIGNATION REFERENCE
DMX512 Line Voltage 12 to 48 Vdc

DESIGNATION	COLOR
V+	Red
V-	Black
DMX+	Brown
DMX-	Blue
PA	Yellow



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.