



Professional lighting fixtures for water features, gardens, architecture, and bridges.

IP68

IP Rating

10
5 kg
20 J
40 cm

IK Rating

max 5m
UNDER WATER

Water Depth

RECESSED MOUNTED

Mounting Method

Class III

Safety Class

CE

Certification Mark

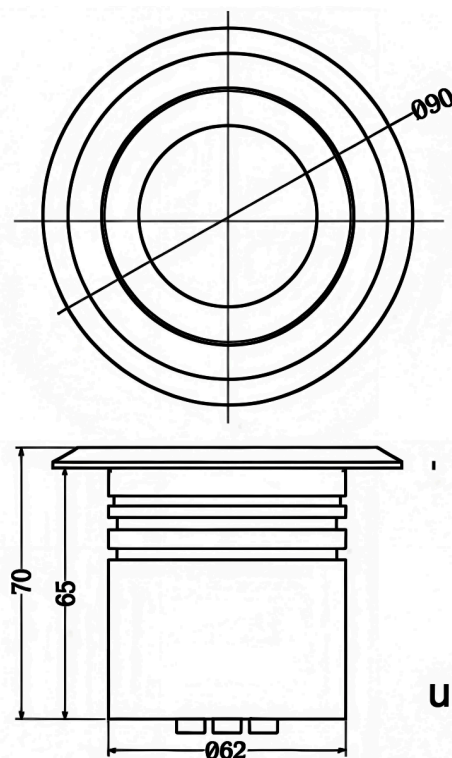
RoHS

Environmental Mark

RECYCLABLE

Recyclable Mark

DIMENSIONS



unit: mm

TECHNICAL DATA

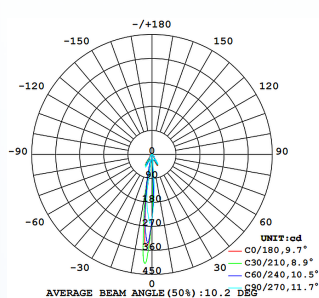
LX-UD001DU

ELECTRICAL	ELECTRICAL PARAMETERS	
	Typical Power Power Consumption	8W / 9 W / 10 W
	Input Current	24V
	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	CAX1512/TX-1515
	LED Quantity Qty	1 PCS
	Colour (CCT) Colour	2200K/2700K/3000K/4000K/6500K/RGBW
	CRI Rendering	Ra ≥ 70/Ra ≥ 80/Ra ≥ 90
	Typical Light Efficiency Efficacy	>55 lm/W (3000K) · >65 lm/W (4000K) · >90 lm/W (6500K) · >45 lm/W (RGBW)
	Lifetime Life	50,000 H
STRUCTURE	STRUCTURAL PARAMETERS	
	Material Housing	SUS#316/SUS#316+Aluminum/Brass/Brass+Aluminum
	Cover Glass	Super-transparency tempered glass, T = 10 mm
	Beam Angle Angle	10° / 25° / 36° / 60°
	Product Dimensions Size	See DIMENSIONS drawing
	Weight Mass	1.2 kg
ENVIRONMENT	ENVIRONMENTAL PARAMETERS	
	Working Temperature Temp	-25°C ~ +45°C
	Storage Humidity Humidity	0 ~ 90%
	IP Code IP	IP68
	IK Code IK	IK10

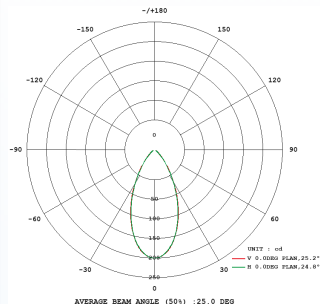
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Beam 10° / 25° / 36° / 60°

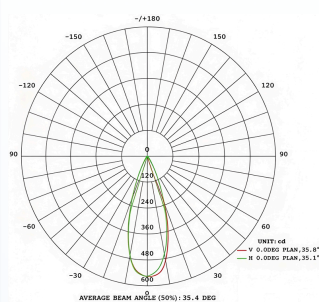
BEAM ANGLE 10°



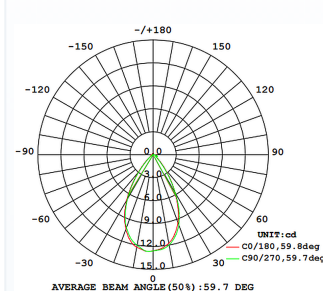
BEAM ANGLE 25°



BEAM ANGLE 36°



BEAM ANGLE 60°



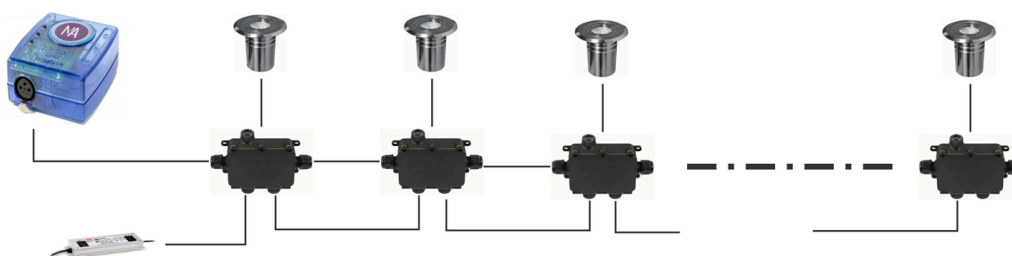
SYSTEM DIAGRAM

WIRING TOPOLOGY

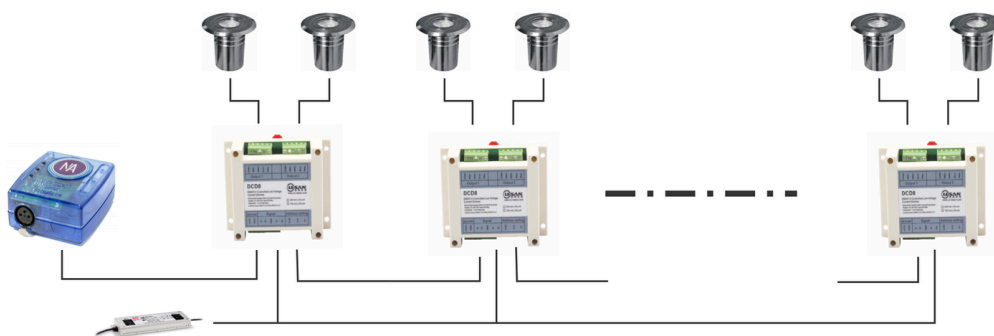
ON / OFF



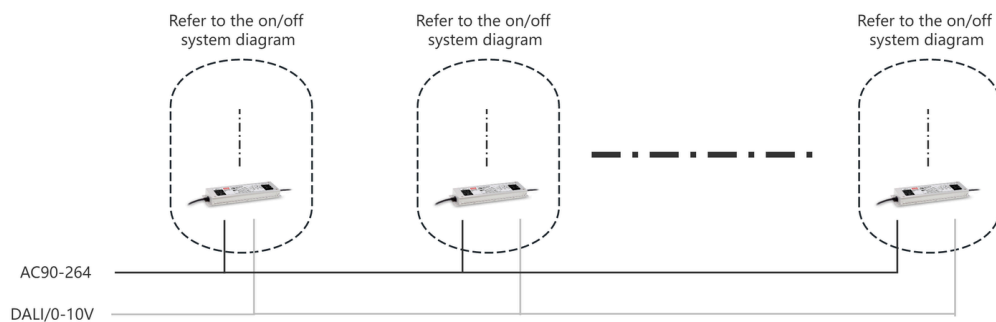
BUILT-IN DMX



EXTERNAL DMX



DALI 0-10V

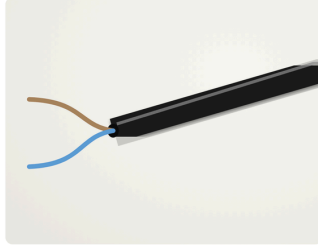


WIRE COLOUR DEFINITION

LX-UD001DU

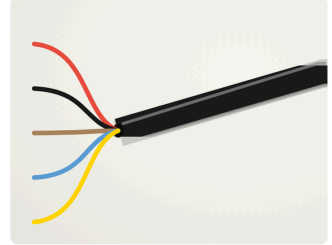
WIRING COLOUR / DESIGNATION REFERENCE Non-Dimmable Line Voltage 12 to 48 Vdc

DESIGNATION	COLOR
V+	Brown
V-	Blue



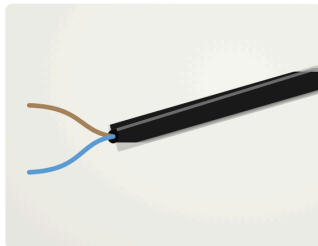
WIRING COLOUR / DESIGNATION REFERENCE DMX512 Line Voltage 12 to 48 Vdc

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



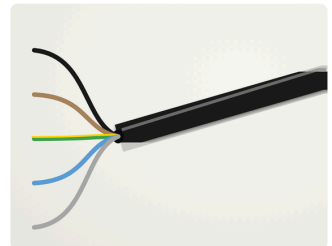
WIRING COLOUR / DESIGNATION REFERENCE monochromatic constant current input line

DESIGNATION	COLOR
Led+	Brown
Led-	Blue



WIRING COLOUR / DESIGNATION REFERENCE RGBW constant current input line

DESIGNATION	COLOR
Led+	Black
R-	Brown
G-	Green/ Yellow
B-	Blue
W-	Grey



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.