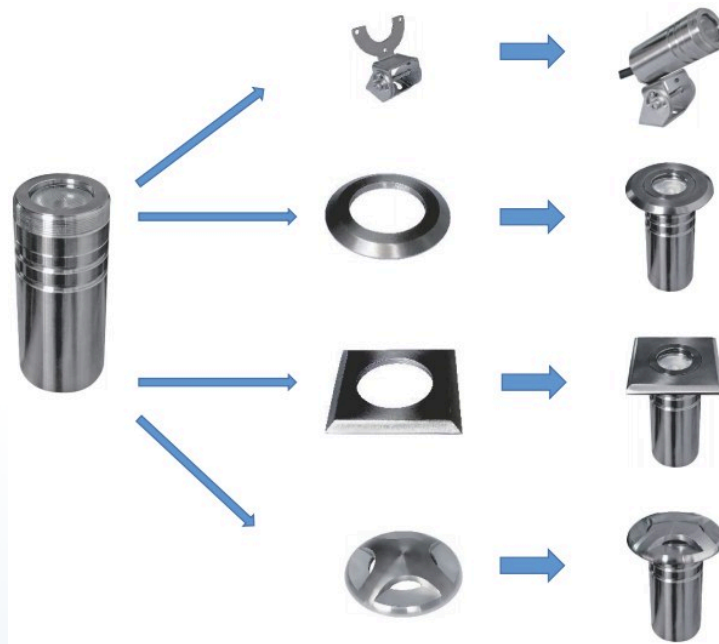




IP68 protected stainless steel luminaire with CREE LED mixed-colour output, engineered for fountains, pools and water features.



SUS316
Stainless Steel
Housing Material



IP68
IP Rating



IK10
IK Rating



DMX512/DALI/0-10V
Control Method



RGBW
LED Colour



2200-6500K
White CCT Range



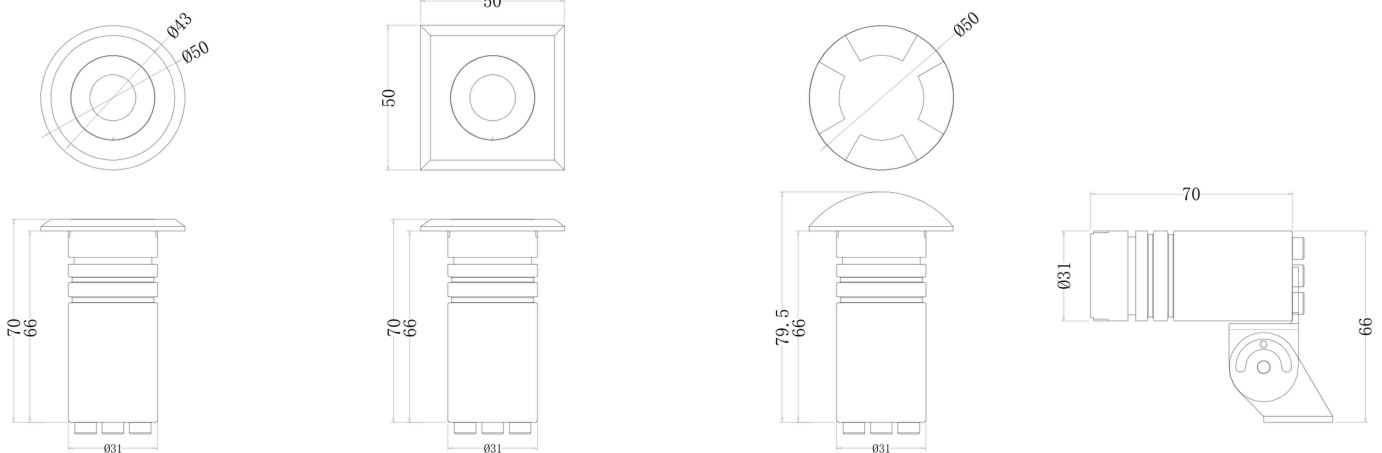
Class III
Safety Class



Max.3W
Max Power

DIMENSIONS

UNIT : MM



TECHNICAL DATA

LX-UD-001A

LX-UD-001A | Underwater Light

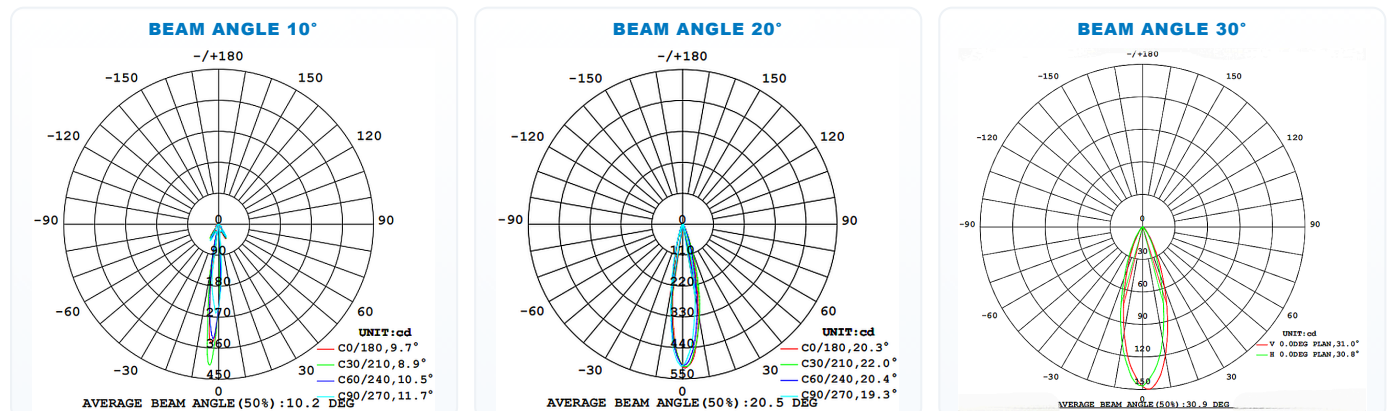
Technical specification for illuminating small or medium fountains, pools and water features.

IP68
PROTECTION

ELECTRICAL	ELECTRICAL PARAMETERS	
	Typical Power Power Consumption	Max.3W
	Input Current	24V/350mA/500mA/700mA
	Control Method Control	DMX512/DALI/0-10V
	Cable Order Wiring	1 IN
	Security Level Class	Class III
LIGHT SOURCE	LED LIGHT SOURCE PARAMETERS	
	LED Chip Brand Brand	CREE
	LED Chip Type Type	XP-G / RJ5050
	LED Quantity Qty	1 PCS
	Colour (CCT) Colour	2200K-6500K / RGBW
	CRI Rendering	Ra ≥ 80
	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/Brass/Aluminum
	Cover Glass	Super-transparency tempered glass, T = 10 mm
	Beam Angle Angle	10° / 20° / 30°
	Product Dimensions Size	Refer to the dimension
	Weight Mass	0.38Kg@TYPE:R material:S
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

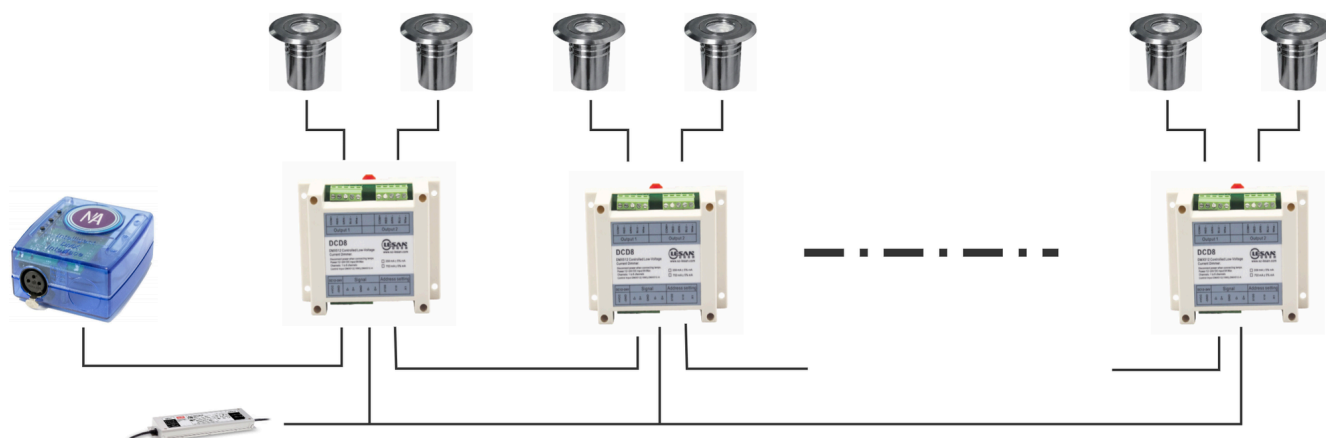
Beam 10° / 20° / 30°



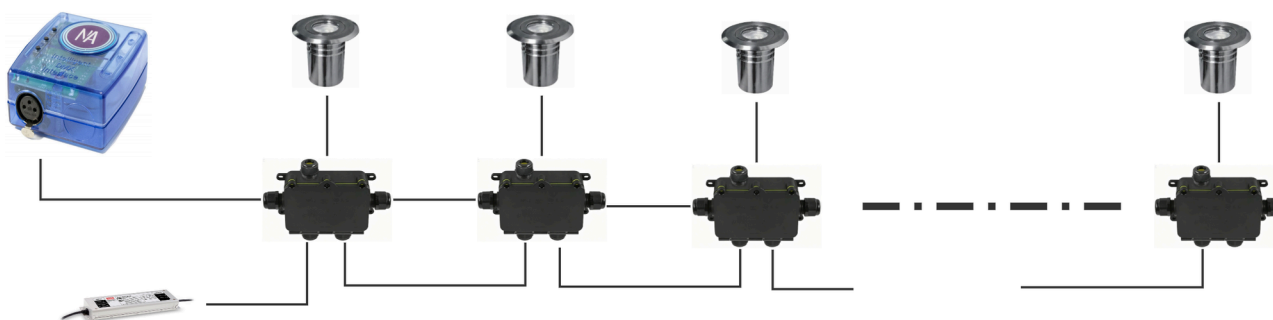
SYSTEM DIAGRAM

WIRING TOPOLOGY

EXTERNAL DMX



BUILT-IN DMX



ON / OFF

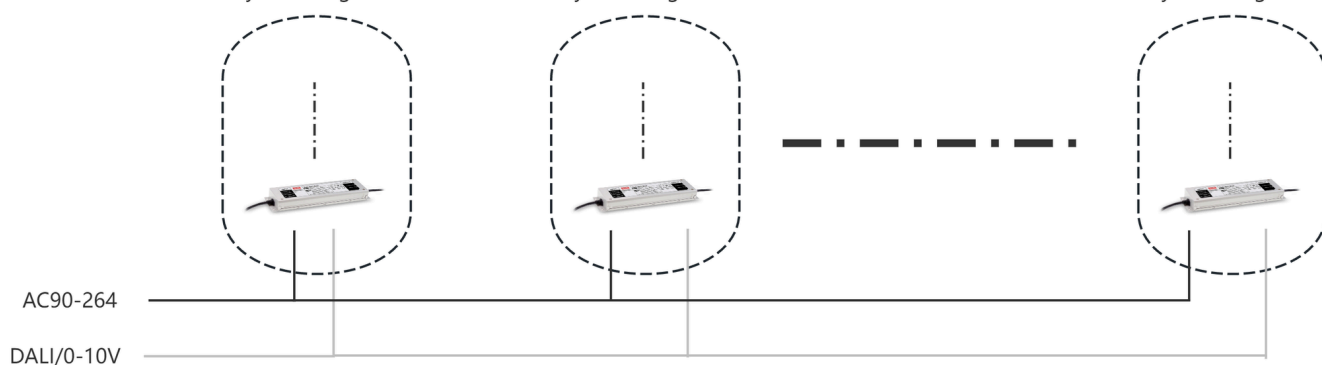


DALI 0-10V

Refer to the on/off
system diagram

Refer to the on/off
system diagram

Refer to the on/off
system diagram

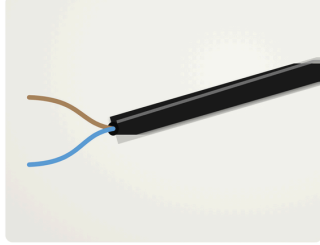


WIRE COLOUR DEFINITION

LX-UD-001A

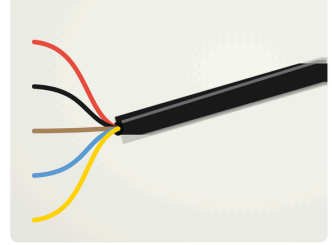
WIRING COLOUR / DESIGNATION REFERENCE Non-Dimmable Line Voltage 12 to 48 Vdc

DESIGNATION	COLOR
V+	Brown
V-	Blue



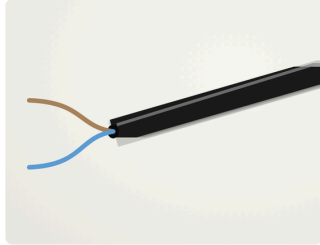
WIRING COLOUR / DESIGNATION REFERENCE DMX512 Line Voltage 12 to 48 Vdc

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



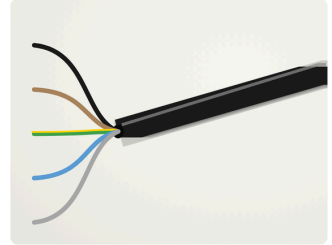
WIRING COLOUR / DESIGNATION REFERENCE monochromatic constant current input line

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



CABLE ORDER

1 IN (one in) — power and control in a single cable entry.

Colour code follows the factory wiring; control polarity (DMX / DALI / 0-10V pairs) must stay matched across the whole run.

WIRING NOTES

INSTALLATION

OBSERVE THE FOLLOWING CONDITIONS WHEN INSTALLING THE LUMINAIRE

- Determine the number of luminaires per circuit according to the calculated circuit load and the maximum allowable voltage drop.
- Signal circuit sizing is governed by the signal type (e.g. DMX512 / 0-10 V / DALI).
- For outdoor water features and swimming pools, the installation must be watertight to at least IP68.
- Power circuit sizing is governed by the total load and voltage drop.
- DMX512 supports a maximum of 512 addresses per bus.