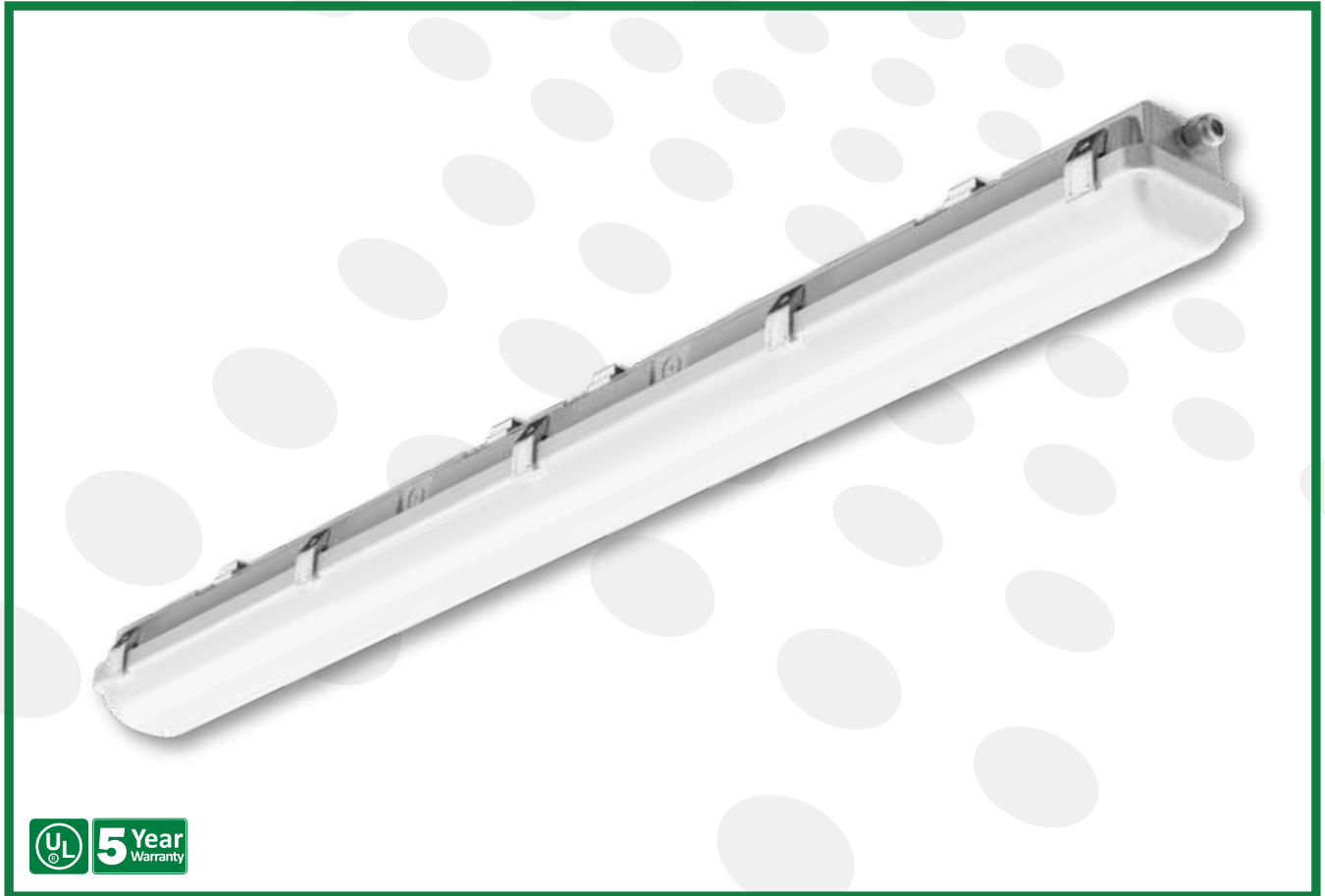# AquaBright™
LED Tri-Proof Light

The AquaBright LED Tri-proof Light from Beyond Led is the newest and most feature rich product of 2024. AquaBright has an adjustable wattage and CCT, allowing it to combine nine SKUs into one. AquaBright is resistant to water, dust, dampness and pressure. High-quality LED driver and thermal management with a 50,000-hour illuminating life. The housing is extruded aluminum with a corrosion-resistant glossy white polycarbonate cover with preinstalled sensor base . It is simple to install using Surface mount or suspension. An additional 12V Auxiliary output makes it compatible with any control system.

Product Features

- Up to 130 Lumens per watt
- Available in 4ft fixture
- Adjustable Wattage 20W/30W/40W/50W
- Adjustable CCT 3500K/4000K/5000K
- PC housing and white cover, stainless steel clip
- 0-10 Dimmable

- Dust-tight and waterproof fixture with IP65 & IK08
- Cover and LED board build-in-one design
- Auxiliary 12V output
- Input Voltage 120-277Vac
- UL & DLC Listed
- 5 Year warranty

AquaBright™
LED Tri-Proof Light

SKU #	Model #	Wattage Adjustable	Lumens	CCT Adjustable	Housing	Length	Input Voltage	Dimming	Certifications
156990		20W/30W/ 40W/50W	Up to 6500Lm	3500K/4000K/ 5000K	White	4ft	120V-277V	0-10V	UL & DLC

SKU: 156990 Specifications

Parameter	Description	Value
General Performance	Model	
	Wattage Adjustable	20W / 30W / 40W / 50W
	Color Temperature	3500K / 4000K / 5000K
	Lumens	Up to 6500LM
	Lumen Efficacy	Up to 130LM/W
	CRI (Ra)	>80
	Beam Angle	120° Degree
	Diffuser Type	PC Lens
Electrical	Input Voltage	120-277V
	Frequency	50/60Hz
	Dimming	0-10V Dimming
	PF	>0.9
	THD	<20
	Flicker Percent	Non-flicker
	Driver Brand	No
	Driver Model	SDC50CS120V42DL5A
Physical	Operating Temperature	-20°C to 40°C
	Storage Temperature	-25°C to 80°C
	Storage Humidity	5% RH Min; 95H Max
	LED Brand	LUMILEDSS
	LED Type	SMD2835
	LEDs QTY	416 Pcs
	Housing	Grey
Qualification	Housing Color	White
	IP Rating	IP65
	Warranty	5 Years

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LED TRI-PROOF LIGHT

Correlated Color Temperature (CCT)

COOL
WHITE

5000K ▶

4000K ▶

NATURAL
WHITE

3500K ▶

WARM
WHITE

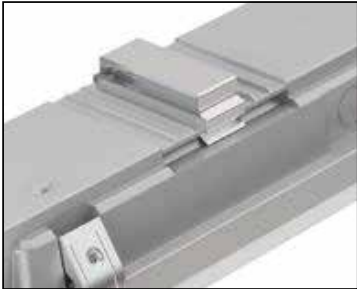## Dimensions

47.24″

4.33″

3.46″
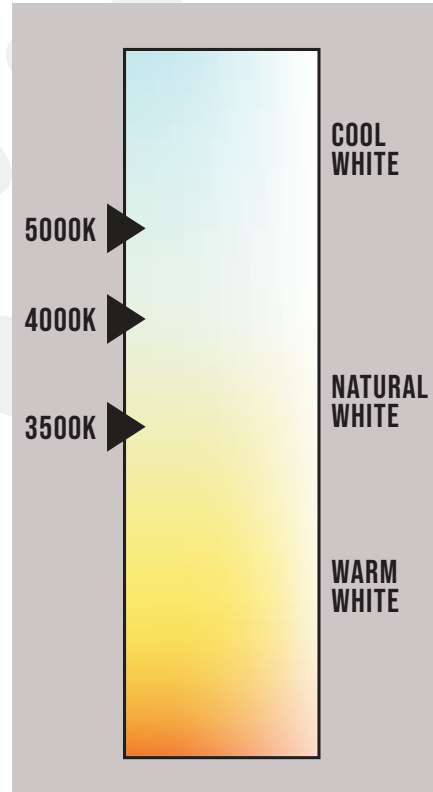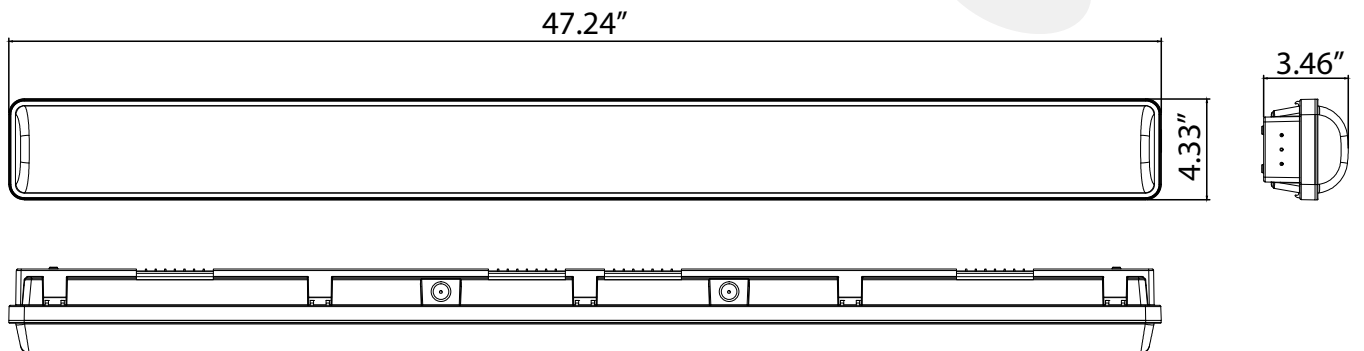
AquaBright™
LED Tri-Proof Light

Optional Accessories

Mounting Bracket (Included)

Emergency

Sensor

Photometric Data

CO PLANE ISOLUX DIAGRAM (UNIT:lx)

	5.20		0.8700
	4.30		0.6900
	3.50		0.4300
	2.60		0.3500
	1.70		0.2600

Due to continuous product improvement, information in this document is subject to change.

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LED TECHNOLOGY

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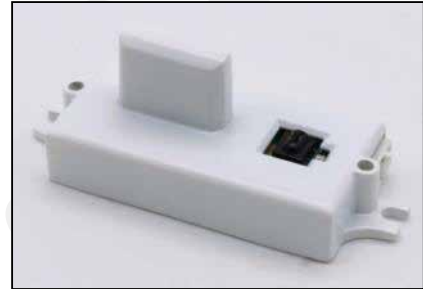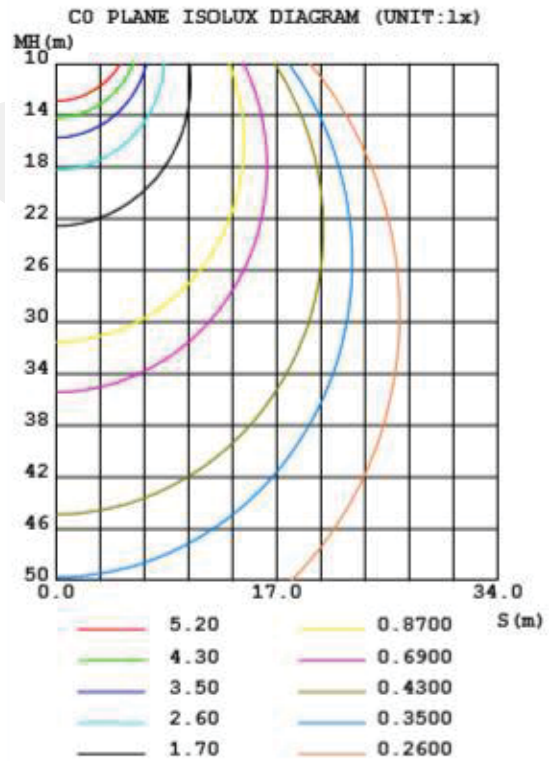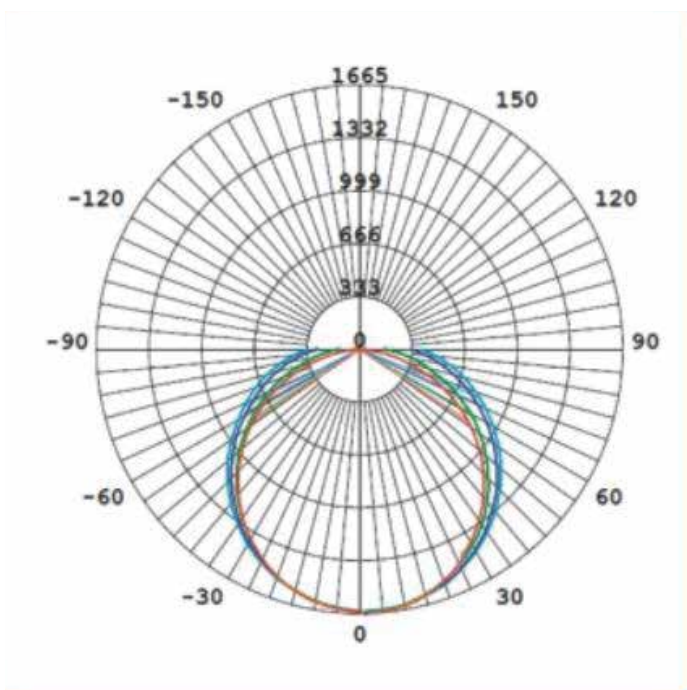
AquaBright™
LED Tri-Proof Light

Installation

⚠ WARNING

Please Read All Instructions Before Attempting Installation

- THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. THIS PRODUCT MUST BE WIRED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES.
- TO PREVENT PERSONAL INJURY OR PRODUCT DAMAGE ONLY LICENSED ELECTRICIANS SHOULD PROVIDE ALL INSTALLATION SERVICES.
- TO AVOID ELECTRIC SHOCK OR COMPONENT DAMAGE DISCONNECT ALL POWER BEFORE ATTEMPTING INSTALLATION OR SERVICING.
- USE CAUTION WHEN HANDLING THIS PRODUCT DURING OR AFTER OPERATION AS IT MAY BECOME HOT AND CAUSE BURNS. DISCONNECT PRODUCT AND ALLOW COOLING PRIOR TO SERVICING.
- ANY ALTERATION OR MODIFICATION OF THIS PRODUCT IS EXPRESSLY FORBIDDEN AS IT MAY CAUSE SERIOUS PERSONAL INJURY, DEATH, PROPERTY DAMAGE AND/OR PRODUCT MALFUNCTION.
- TO PREVENT PRODUCT MALFUNCTION AND / OR ELECTRICAL SHOCK THIS PRODUCT MUST BE PROPERLY GROUNDED.
- THIS LUMINAIRE IS DESIGNED TO OPERATE IN AMBIENT TEMPERATURES RANGING FROM -40°F TO +122°F (-40°C TO +50°C). EMERGENCY BACK UP TEMPERATURE RANGE IS +32°F TO +104°F (0°C TO +40°C).
- THIS LUMINAIRE IS DESIGNED TO OPERATE IN DRY, DAMP, OR WET LOCATIONS
- MIN 90°C SUPPLY CONDUCTORS
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP
- OBJECTS.
- NOTE!
- This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Installation

Safety Precautions

IMPORTANT:
READ CAREFULLY BEFORE INSTALLING THE FIXTURE. RETAIN FOR FUTURE REFERENCE.

GENERAL:
Upon receipt of the fixture, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier.

Wattage and CCT Selection Switch

The selection switches can be found next to the driver on the inside of the fixture. Adjust the switches to the desired wattage and color, then close fixture after proper wiring/installation. Fixture will ship at highest wattage and 4000K.

Trouble Shooting Checklist

• Check your power source.
• Check electrical connections

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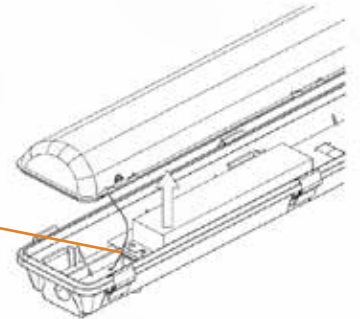LED TECHNOLOGY

Installation

Surface Mount
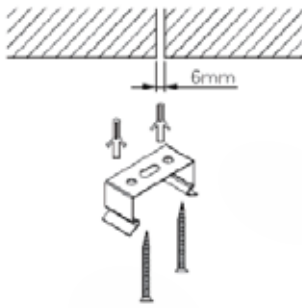
1. Install the mounting brackets to the desired ceiling or mounting surface using appropriate hardware. (Anchors/screws not included).
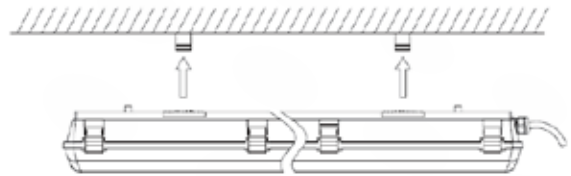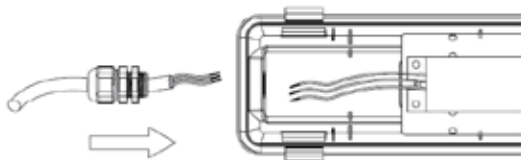

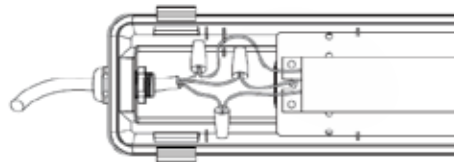2. Install the fixture to the previously mounted brackets on the ceiling or mounting surface.
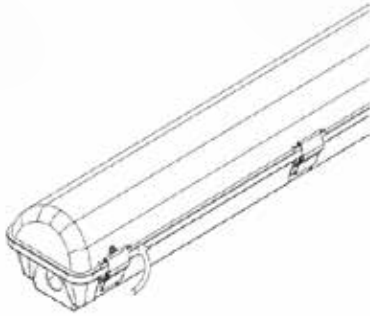
3. Open all the clips along the sides of the fixture to reveal the wiring components.

4. Open the lens revealing driver and wiring components; safety cable shown to hold lens up while wiring fixture.

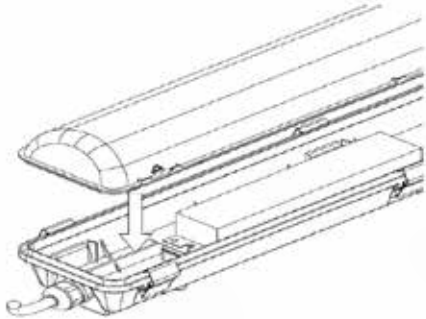5. Install the waterproof connector in the side of the fixture as shown above.

6. Complete the wiring connections. For further information see the below wiring diagram.
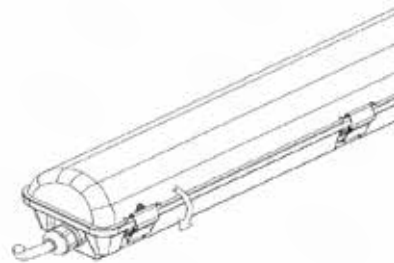
AquaBright™
LED Tri-Proof Light
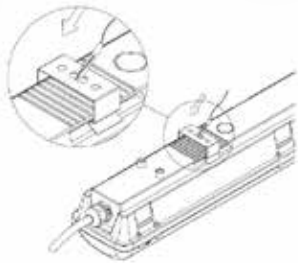
Installation

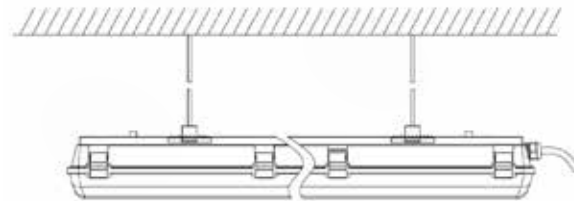7. Re-attach the lens to the body of the fixture once electrical connections are complete.

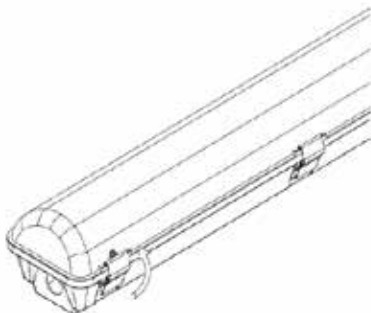8. Fasten all clips along of sides of the fixture to ensure fixture is sealed.

Suspended Mount

1. Install the mounting brackets to the fixture using appropriate hardware (v-hooks included for chain mount application; pendant mount by other)

2. Install the cable, chain, or pendant kit (by others) to the fixture bracket and then accordingly to the mounting surface/ceiling.

3. Open all the clips along the sides of the fixture to reveal the wiring components
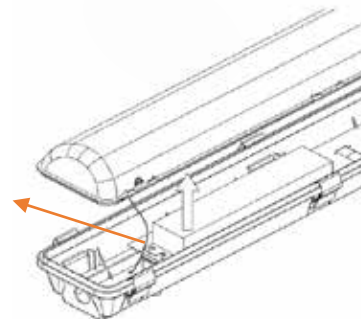
4. Open the lens revealing driver and wiring components; safety cable shown to hold lens up while wiring fixture.

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LED Tri-Proof Light

Installation

Wiring Diagram

0-10V Dimming: This fixture is compatible with 0-10V output dimming controls. To get to 0% light output (OFF) it is necessary to switch the input power to the fixture. For 0-10V dimming, connect 0-10V wall dimmer to dimming wires on driver. (See Wiring Diagram) The yellow wire provides 12Vdc power for optional accessories and is not used for basic wiring.
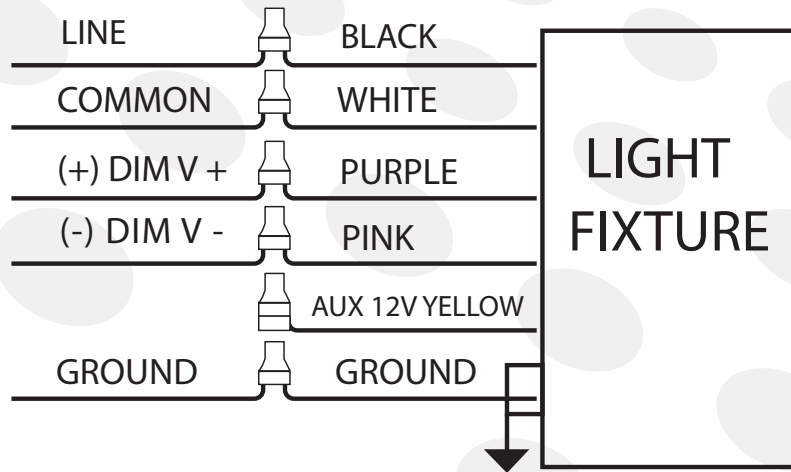
LED TRI-PROOF LIGHT

**Wiring with EMBB Driver

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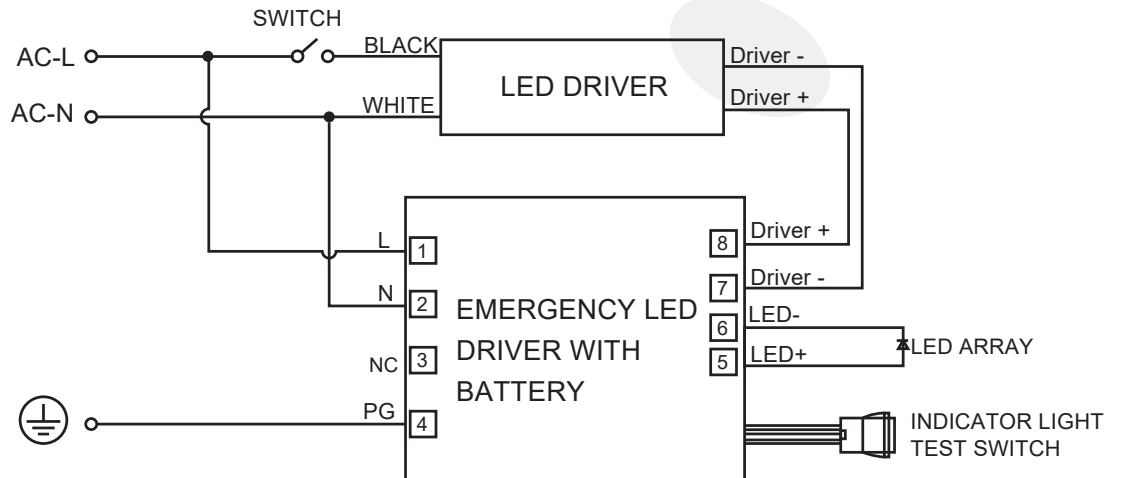
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LED Tri-Proof Light

Packaging

Box Type	Dimension	Qty	Net Weight	Gross Weight
Outer Box	47.52 x 9.76 x 3.74	1Pc		

Application Image

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Due to continuous product improvement, information in this document is subject to change.

AquaBright™
LED Tri-Proof Light

Application Image

Warranty

5 Year Warranty