

Astra D65 RGBW Combined Astra D88 RGBW Combined



INSTALLATION GUIDE

Important Note:

This installation guide is intended for reference purposes only. All installations should comply with local laws, regulations, and site-specific conditions. The recommendations provided are general guidelines and may require adjustments based on the actual site situation. Always consult a qualified professional for final installation decisions.

INSTALLATION INSTRUCTIONS

Astra RGBW Combined Source

LUMINOSCAPE®

Architectural Lighting Solutions



WARNING:

- This product must be installed according to national and local electrical codes by a qualified individual familiar with the construction, operation, and associated risks.
- Failure to follow the installation instructions may result in serious injury or death.
- Disconnect power before installation or maintenance to avoid electrical shock.
- Do not exceed the rated voltage of the fixture.
- Do not install if the fixture, parts, or connectors are damaged.
- The fixture is rated IP67 and is suitable for outdoor inground applications, but **must not** be submerged in standing water beyond its ingress protection rating.
- Ensure proper drainage around the installation site to avoid water pooling or flooding that may compromise performance.

CAUTION: Unauthorized modifications or repairs will void the warranty.

ELECTRICAL SPECIFICATIONS FOR ASTRA STATIC WHITE				
Series	Astra D-65 Static White		Astra D-88 Static White	
Input Voltage Range	24-48VDC Wide Voltage			
Max Power	8W		18W	
Max. Power Linking	24V	48V	24V	48V
	13 nos.	27 nos.	6 nos.	12 nos.
Max run length is for interlink and leading cables (Fixtures not included)	25 meters		25 meters	

Remark:

- Please be aware that mounting screws and hex-head bolts are not included with your purchase. Installers will need to supply these items for installation. We recommend using stainless steel screws to prevent corrosion.
- The actual maximum daisy chain limit may vary based on the gauge of the leading cable and the specific installation conditions. The values provided are recommended guidelines and should be considered as such. Please ensure that all installations comply with local electrical codes and safety standards.

info@luminoscape.com

INSTALLATION INSTRUCTIONS

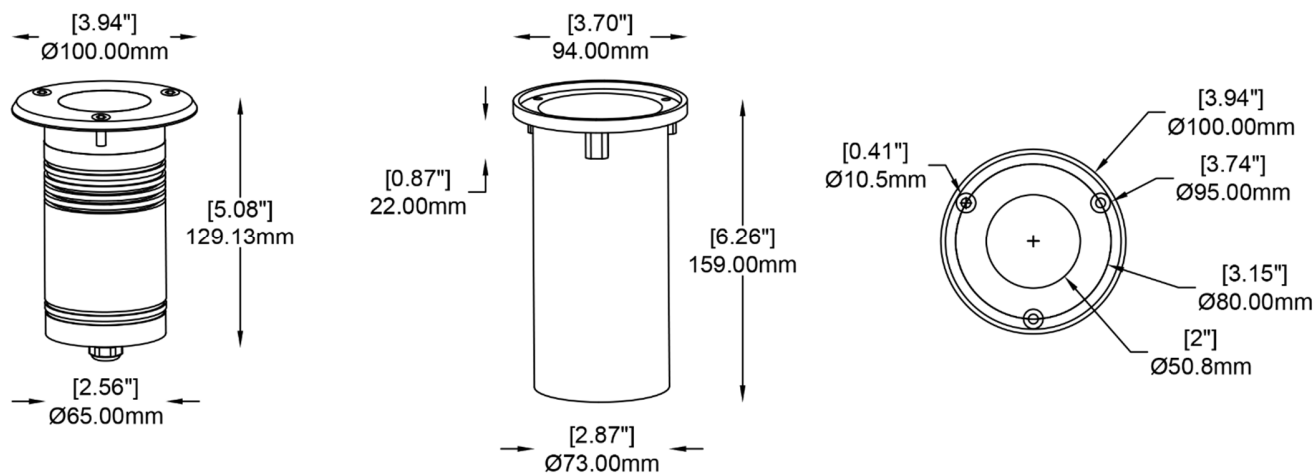
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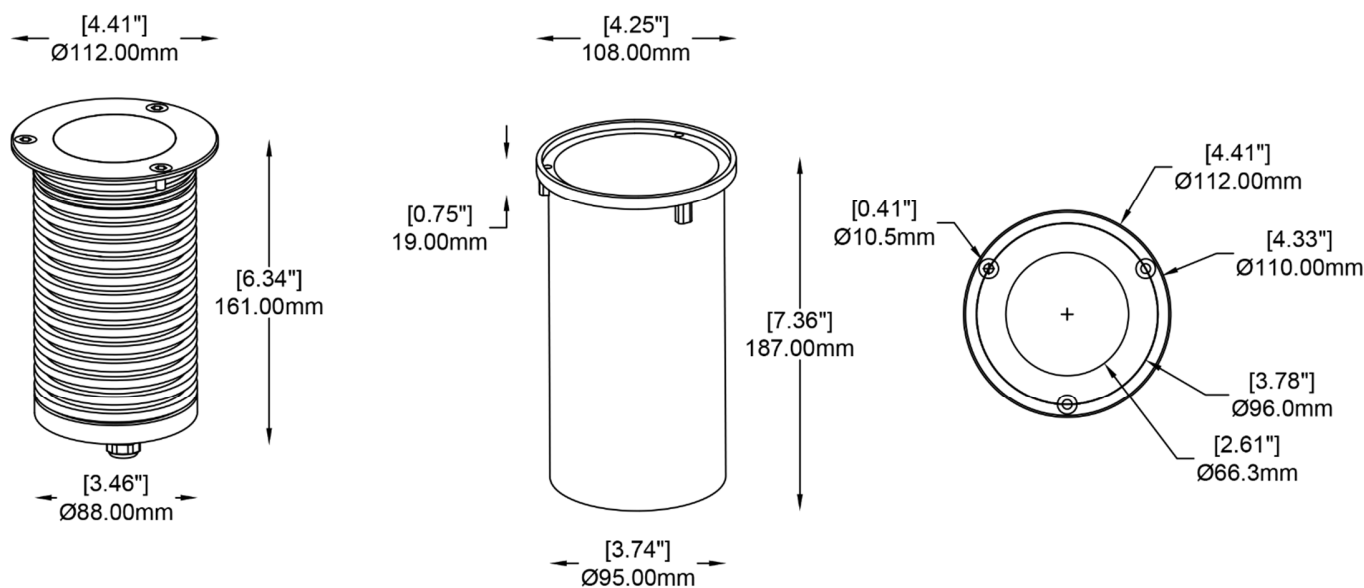
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DIMENSIONS

Astra-D65:



Astra-D88:



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IMPORTANT:

1. **Pre-installation:** This phase includes excavation, conduit installation, and groundwork preparation, which can be handled by construction workers.
2. **Installation:** This phase involves cable pulling, connections, and fixture setup, which should only be performed by qualified electrical personnel.

PRE-INSTALLATION

STEP 1) Prepare ground:

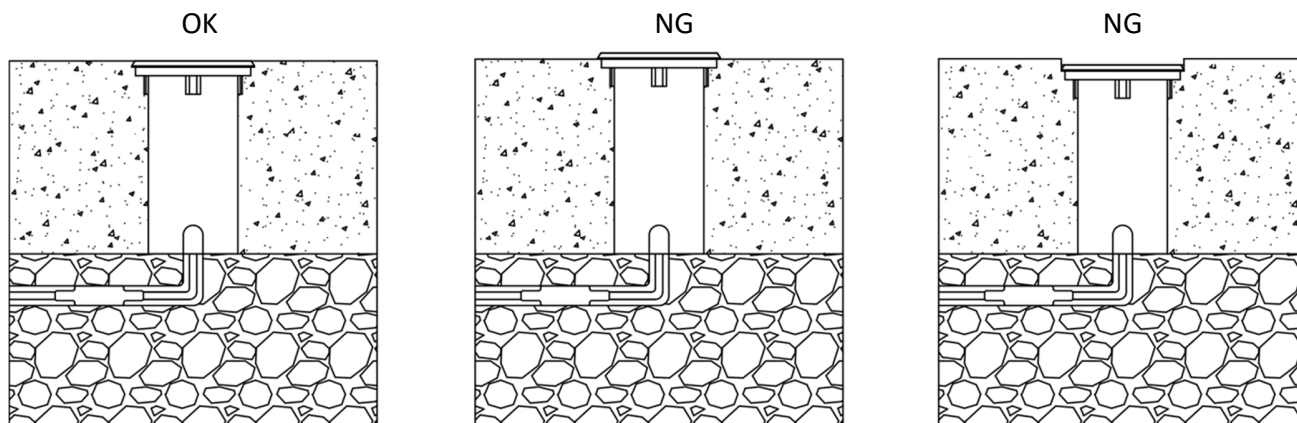
- Prepare ground hole for the recessed mounting sleeve according to the dimension of each module.
- Proper drainage piping should be prepared for hard ground.

STEP 2) Test the drainage

Make sure it perform well before installation. To verify the effectiveness of the drainage piping, it is necessary for the water volume equivalent to the mounting box's capacity to fully drain within a 30-minute timeframe.

STEP 3) Level the mounting sleeve

Recessing mounting sleeve must be installed on a level surface to prevent water collecting or creating a hazard.



STEP 4) Pour the Material (Concrete):

Before pouring the filling material, conduct a thorough final inspection. Verify that the mounting sleeve is level and stationary. Neglecting to ensure the box is securely fixed may lead to a failed installation and will void the warranty.

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WARNING:

- Ensure the **Astra RGBW Combined** is connected to a properly regulated DC power source with suitable overcurrent protection, such as a fuse or circuit breaker, to prevent electrical hazards.
- Disconnect all cables and the fixture from the DC power source completely before performing any maintenance or repair work.
- Take precautions to prevent accidental reconnection of the power supply during maintenance.
- Verify that the voltage and polarity specified on the product label match the output of the DC power supply before powering on the fixture.

IMPORTANT:

- All **Astra RGBW Combined** models include a pre-installed power and data cable combined tail, suitable for direct connection to power supply and DMX signal source.
- Fixtures must be connected in a "daisy-chain" configuration, with the DMX signal routed through a single chain supporting up to a maximum of **32** fixtures.
- External connections must be enclosed in waterproof junction boxes or as required by local regulations, laws, or codes.
- Cable ends on **Astra** fixtures should be kept free from water or moisture, as the cooling process can create a vacuum that may draw moisture along the cable into the fixture.
- Ensure there is sufficient slack in the cable during installation to allow the fixture to be easily lifted for servicing without disconnecting the cables.

POWER DATA CABLES AND CONNECTIONS

Wire Identification Schemes Table:

CABLE	DIMMING	FUNCTION	CORE	WIRE SIZE
Power and Data lead in	DMX / RDM	DC+	Red	1.0mm ²
		DC-	Black	1.0mm ²
		DMX+	Yellow	0.3mm ²
		DMX -	Blue	0.3mm ²
		DMX GND	Green	0.3mm ²

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The outdoor connection point must be connected using IP67 or IP68 connectors (supplied by other vendors) only. Cable protection tape or any other method that may compromise the IP rating is not acceptable.

Recommended IP68 Jelly Connector (Prepare by others)

Item: Paguro 5760/13

Brand: STEAB

Description: 2-Way Gel-Filled IP68 Waterproof 6-Pin Connector

Product Link: <https://www.steab.it/catalogo/quick-paguro-5760-13-3/?lang=en>



Finalizing the Installation

Secure the fixture by tightening the screws through the holes on the mounting plate. Ensure that stainless steel screws are used to prevent corrosion.

