

Groundhog Series

Adjustable Inground

Project:	Type:	Qty:
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FEATURES

Available in 3.7", 5.1", 6.3", 7.1", 8.3", 9.8"	Various power options available: the lower range from 2 watts to 36 watts.
Offered in both DC24V and 120V Line Voltage	Marine Grade 316L Stainless Steel with Chrome Plating
Housing: Forged Molding Powder Coated Aluminum.	Thickness of 60µm-80µm adhering to ISO Class 1/ASTM class4B
Cable Gland: Molded Shaped Silicone Seal, IP68 Copper and Nickel Coated	IP67
IK9-10	Available Optics: 12°, 15°, 25°, 30°, 45°, 60°, Asymmetrical
Dimming: Triac, 0-10V, Dali	Available in Multiple CCTs and RGB

OPTICAL ACCESSORIES



Honeycomb Stretch Film(10*60°) Mounting Sleeve

DIMENSION

Model	Top Diameter (Φ)	Bottom Diameter (Φ)	Height
GH95R	Φ3.74"	Φ3.35"	4.57"
GH130R	Φ5.12"	Φ4.69"	5.35"
GH160R	Φ6.3"	Φ5.79"	6.02"
GH180R	Φ7.09"	Φ6.5"	6.38"
GH210R	Φ8.27"	Φ7.6"	7.13"
GH250R	Φ9.84"	Φ8.78"	7.48"

Order Code

ORDER CODE EXAMPLE: GROUNDHOG-ADJ-GH210R-35K-25D-24V-ELV-WH

SERIES	ADJ	SIZE / WATTAGE	CCT	BEAM ANGLE	OPTICAL ACCESSORIES
Groundhog	ADJ	Adjustable	27K 2700K	5D 5 degree	CG Clear Glass
	ASY	Asymmetric	30K 3000K	8D 8 degree	
	DFX	Deep Fixed	35K 3500K	12D 12 degree	
	CRF	COB Reflector Fixed	40K 4000K	25D 25 degree	
			TW Tunable White 2700K-6500K	40D 40 degree	
			WD Warm Dim 3000K-1800K	60D 60 degree	
			RGB N/A for 32R	10X45D 45 degree	
			RGBW ___specify W N/A for 32R	20X65D 65 degree	

INPUT VOLTAGE	DIMMING	FINISH
12V 12V DC	NON Non Dim	DG Dark Gray
24V 24V DC	ELV Triac/ELV	WH White
	D10 0-10V	CSF Custom
	DALI DALI	
	DMX DMX512	

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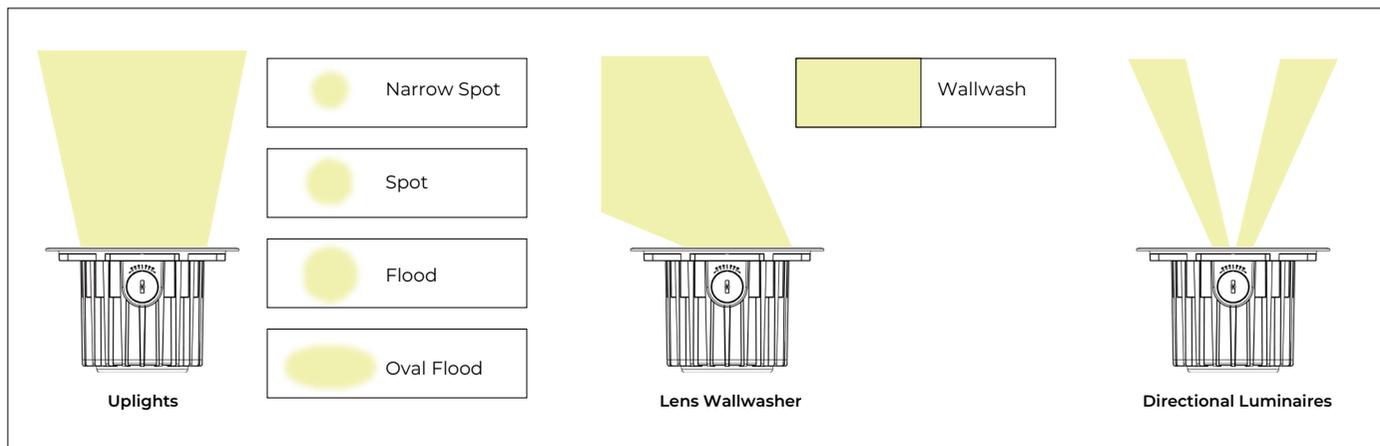
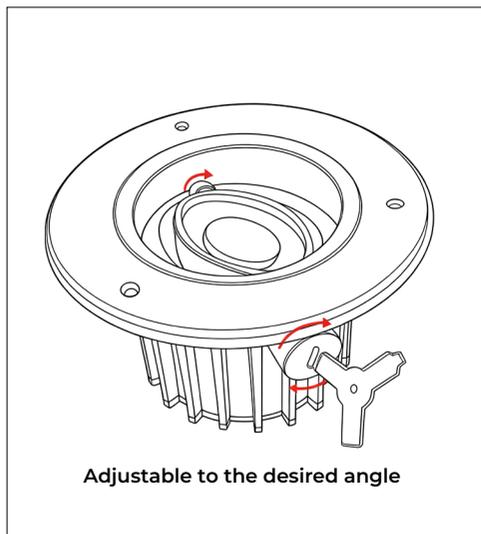
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MULTIPLE BEAM ANGLES/EFFECTS AVAILABLE



ADDITIONAL INFORMATION

1. This product can be installed directly onto a deck.
2. When installing into a concrete slab, a clean recess is required.
3. The top surface of the luminaire must be flush with the mounting surface.
4. Installation on uneven surfaces is not recommended.
5. Ensure the size and length of all prepared cables are correct.
6. Verify that drivers and cables are properly connected and meet the required IP rating.
7. Adequate drainage must be provided beneath the fixture/housing.
8. For cleaning and maintenance, please follow the instructions below:
 - 1): Switch off the power supply and allow the luminaire to cool.
 - 2): Clean with a soft microfiber cloth lightly moistened with a mildly diluted, pH-neutral, alcohol-free, non-abrasive cleaner.
 - 3): Do not use harsh chemicals, solvents, or high-pressure cleaners.
9. Handle with care during installation and maintenance to avoid accidental damage to the luminaire surface. Such damage may result in corrosion.

DISCLAIMER

- Please read Bina Gopher Series instruction manual carefully before installation.
- If installation guidelines are not followed, the product is modified, or damage occurs due to misuse or improper installation, the warranty will be void.
- Images, drawings, and diagrams are provided for illustrative purposes only.
- All products are manufactured and certified in compliance with mandatory international standards.
- Technical data and specifications are subject to change without prior notice. For the most up-to-date version, please visit our website or contact Bina team.



This product must be installed by a licensed electrician in accordance with the National Electrical Code (NEC) and all applicable local codes and regulations.

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INSTALLATION INSTRUCTIONS

STEP 1 ▶

Place the embedded bucket into the hole, ensuring it is level with the ground. The power cord should pass through the embedded bucket.

Note: The gravel thickness must be greater than 0.98" inches.

STEP 2 ▶

Thread one end of the power cord and the lamp power cord into the waterproof connector (IP68). Connect the power cords, then securely fasten the waterproof connector, ensuring sufficient length for easy maintenance.

STEP 3 ▶

By turning the angle knob left or right, different angles can be achieved (0° to 30°).

STEP 4 ▶

Place the long power cord in the pre-embedded bucket, then place the light fixture into the pre-embedded bucket and tighten the screw.

CONNECTION DIAGRAM

24VDC

24VAC Input (L, N, GND) → LED DRIVER → 24VDC Output (Red DC+, Black DC-) → 2 core power: Red (DC+), Black (DC-) → CONNECTOR: IP68 → Light Fixture

24VDC DMX512

24VAC Input (L, N, GND) → LED DRIVER → 24VDC Output (Red DC+, Black DC-) → 5 core power: Red (DC+), Black (DC-), Blue (DMX512+), Yellow (DMX512-), Green (P) → CONNECTOR: IP68 → Light Fixture

DMX 512 Signal → DMX 512 Master Control (512IC Chip: TM512AC) → DMX 512 Signal → Light Fixture

24VAC Input (L, N, GND) → DMX 512 Master Control

Maximum 10PCS-12PCS lamps Distance 30-50m

24VDC RGB

24VAC Input (L, N, GND) → LED DRIVER → 24VDC Output (Black DC+, Red R-, Green rolling yellow G-, Blue B-) → 4 core power: Black (DC+), Red (R-), Green rolling yellow (G-), Blue (B-) → CONNECTOR: IP68 → Light Fixture

DMX512 with Signal Amplifier

24VAC Input (L, N, GND) → LED DRIVER → 24VDC Output (Red DC+, Black DC-) → 5 core power: Red (DC+), Black (DC-), Blue (DMX512+), Yellow (DMX512-), Green (P) → CONNECTOR: IP68 → Light Fixture

DMX 512 Signal → Signal Amplifier → DMX 512 Signal → Light Fixture

24VAC Input (L, N, GND) → Signal Amplifier

Maximum 10PCS-12PCS lamps Distance 30-50m

SAFETY INSTRUCTIONS BEFORE INSTALLATION

- * Installation must be carried out by a qualified technician or authorized professional.
- * Always disconnect power before installation to prevent the risk of electric shock.
- * Ensure adequate ventilation space around the LED heat sink to allow proper cooling.
- * Only connect LED luminaires using the recommended drivers.
- * The actual product may vary slightly from the illustrations shown.
- * Do not attempt to disassemble the product.
- * Any damage caused by modifications or improper installation will void the warranty.

