

**PHILIPS**  
**HABCO**



Landscape

FlexScape

Low-voltage

# Breaking new ground with optimal versatility

Imagine the convenience and cost savings of having different light levels and a variety of beam patterns, all within a single LED luminaire.



## The all-in-one solution for landscape lighting

Imagine the convenience and cost savings of having different light levels and a variety of beam patterns, all within a single LED luminaire. Philips Hadco FlexScape LED low-voltage inground and accent landscape luminaires provide countless lighting outcomes to choose from for residential and light commercial applications.

### One fixture. Multiple light levels and beam patterns.

Every FlexScape luminaire provides countless lighting outcomes to choose from. As a result, you'll also enjoy better flexibility in the field, meaning easy adjustments during installation or down the road, should the landscape or lighting needs change. In addition, its LUXEON LED technology ensures outstanding energy savings and service life.

### Exclusive customizing capabilities.

Both FlexScape inground and accent luminaires have built-in flexibility. Choose from four light outputs between 111 and 710 lumens, as well as beam patterns ranging from narrow (15°) to wide flood (60°). With different lighting outcomes, FlexScape lets you custom-design the most suitable landscape luminaire for the job, while saving time and money.

Features	Benefits
Choice of LED Products	<ul style="list-style-type: none"> <li>- Accent for highlighting vertical surfaces, trees, objects of interest, etc.</li> <li>- Inground for lighting walls, signs or pillars.</li> </ul>
Innovative Zoomable LED Optics	<ul style="list-style-type: none"> <li>- Easy change from narrow (15°) to medium (35°) through zoom action.</li> <li>- Interchangeable optics for wide flood (60°).</li> </ul>
Switchable Light Outputs	<ul style="list-style-type: none"> <li>- Flexibility to change light intensity in the field.</li> <li>- Choice of four preset light outputs from 111 to 710 lumens (lm) available on driver.</li> </ul>
Sleek Design	<ul style="list-style-type: none"> <li>- Clean lines for a timeless, modern look.</li> <li>- Miniature, discreet components shift focus on lighting effects.</li> </ul>
Ease of installation	<ul style="list-style-type: none"> <li>- Many lighting outcomes in a single luminaire.</li> <li>- Save time and money.</li> <li>- Easy-access components.</li> </ul>
Quality Finish	<ul style="list-style-type: none"> <li>- Accent: Choice of black or bronze finish with durable thermoset powdercoat.</li> <li>- Inground: Matte black finish using textured pressure formed molded-in-color composite.</li> </ul>
Rugged Construction	<ul style="list-style-type: none"> <li>- Die-cast aluminum ensuring outstanding durability.</li> <li>- Electrical chamber wet location listed.</li> <li>- Eco-designed – RoHS compliant.</li> <li>- 5-year limited warranty.</li> </ul>
High-Performance White LEDs	<ul style="list-style-type: none"> <li>- Use of the most advanced LED technology means highest output and improved efficacy compared to standard high powered LEDs.</li> <li>- Extra-long life: 50,000 hours while maintaining 70% of the lumen output (L<sub>70</sub>).</li> <li>- Reduced maintenance costs, lower electrical bills.</li> <li>- Warm white (3000K) or cool white (4000K).</li> </ul>
Effective Thermal Management	<ul style="list-style-type: none"> <li>- Suitable for ambient temperatures ranging from -40°C to +35°C (-40°F to +95°F).</li> <li>- Runs cool in many climates.</li> </ul>
Energy-Efficient Luminaire	<ul style="list-style-type: none"> <li>- High lumen per watt (lm/W) ratio.</li> <li>- Considerable energy savings.</li> </ul>
Dimmable Driver	<ul style="list-style-type: none"> <li>- Enables striking lighting effects through multiple light levels.</li> <li>- There are 4 distinct settings for dimmability.</li> </ul>
Affordable, Available Luminaires	<ul style="list-style-type: none"> <li>- Practical, competitively priced lighting solution.</li> <li>- Ready-to-ship, in-stock products.</li> <li>- Short lead time (48 hours to ship).</li> </ul>

## Philips Hadco, a leader in landscape lighting

Since 1953, Philips Hadco has manufactured luminaires to a superior standard of craftsmanship using only the finest materials available. We've built our business on reliable, innovative products, including LED solutions for landscape lighting. We listen to our customers to ensure that lighting products we develop meet or exceed project requirements. We inspect everything we manufacture multiple times, for fit and finish. Each of our designs is precision engineered and backed by ISO 9001 certification. Our comprehensive warranty goes beyond industry standards. This alone hardly explains what makes us an industry leader. We also excel in prompt and proactive service. Find out just how well we deliver next time you place an order.

# FlexScape

## Accent

BL9 low-voltage

The LED Accent version brings landscape lighting to the next level. Designed for optimal LED performance, it provides the lighting professional with countless low-voltage options.

The luminaire's rugged die-cast aluminum housing features low-energy outdoor lighting. Convenient beam adjustability makes for easy on-site lighting effect changes. The lockable aiming is well-suited for accenting objects, textures, walls, trees, etc. This all-weather luminaire comes with 100% molded silicone gaskets.



Actual Size



## Specifications

### Beam Adjustability

Lens zooms from narrow (15°) to medium (30°) beam, accessible after easy removal of twist-off shroud. Interchangeable flood (60°) lens included.

### Switchable Light Levels

Easy-access integral switch for 4 preset light outputs: based on 3K, MED beam, 130, 280, 500, 670 lumens. Simply adjust using side knob and Phillips-head screwdriver.

### Precise Aiming

Adjustable knuckle arm enables range of 150°. Vibration locking teeth secured by black SS screw.

### Driver

12V Class 2 driver housed in injection-molded case with encapsulated electronics.

### IP66 Rating

Dust tight and sealed against direct jets of water.

### Wiring

Pre-wired with 3-ft. pigtail for easy hookup to low-voltage supply cable.

### Installation Convenience

Ships with S7 mounting stake.

# Features

- Efficacy<sup>1</sup>: 56 lm/w to 78 lm/w
- CCT: 3000K and 4000K
- CRI: 70 min.
- Lumens<sup>1</sup>: 112lm to 710lm
- Wattage: 12W (max)
- Voltage: 12V typical (10.5V-15V)
- 50,000 hour rated life (L<sub>70</sub>)
- 5-year limited warranty<sup>2</sup>



## Components

- |   |   |   |
|---|---|---|
| <ol style="list-style-type: none"> <li><b>1. Shroud</b><br/>Tool-less, twist-off/on attachment to housing.</li> <li><b>2. Exterior Lens</b><br/>Environmental barrier (sealing).</li> <li><b>3. Lens Gasket</b><br/>Molded gasket slips onto lens without tools or RTV.</li> <li><b>4. Zoom Path</b><br/>Tool-lessly adjustable/removable path for Zoom Lens and Flood Lens, high brightness white for maximum light output.</li> <li><b>5. Flood Lens<sup>3</sup></b><br/>Interchangeable lens provides 60° flood output.</li> <li><b>6. Zoom Lens<sup>3</sup></b><br/>Interchangeable lens provides 15° to 35° beam depending on position.</li> <li><b>7. TIR</b><br/>Snap-in optic shapes beam for zoom and flood lenses.</li> </ol> | <ol style="list-style-type: none"> <li><b>8. Zoom Support</b><br/>Support for TIR and Zoom Path, locates optics precisely relative to LED, high brightness white for maximum light output.</li> <li><b>9. LED Board</b><br/>Custom PCB with Philips Lumileds Luxeon M, 3000K/4000K.</li> <li><b>10. Fixture Housing</b><br/>Tool-less attachment to shroud, teeth to lock aiming angle</li> <li><b>11. Driver Housing</b><br/>Separate housing for driver helps with thermal management and creates continuity with housing by repeating similar shape.</li> <li><b>12. Aiming Screw</b><br/>Phillips-head screw, loosen slightly to adjust aiming.</li> <li><b>13. Knuckle Grommet</b><br/>Molded gasket presses into knuckle and provides environmental barrier and sealing between optical and driver compartments.</li> </ol> | <ol style="list-style-type: none"> <li><b>14. Switch Grommet</b><br/>Molded gasket provides seal around dimming switch.</li> <li><b>15. Switch Knob</b><br/>Switch knob provides simple customer access to dimming switch for easy adjustment between 4 preset light levels.</li> <li><b>16. Driver</b><br/>12VAC Class 2 driver with integral switch for multiple light levels.</li> <li><b>17. Driver Housing Gasket</b><br/>Molded gasket provides seal for driver housing. (also acts as strain-relief)</li> <li><b>18. Driver Base</b><br/>Positions driver inside driver housing and provides durable mounting for luminaire.</li> <li><b>19. Locking Nut</b><br/>Metal nut allows orientation of Accent to be locked.</li> </ol> |
|---|---|---|

1. Values depend on luminaire options.  
 2. Based on standard 5-year limited warranty. See <http://www.lightingproducts.philips.com/Documents/webdb2/Hadco/pdf/Hadco-FlexScape-LED-Warranty.pdf> for complete warranty information.  
 3. Select from either a Zoom or Flood lens optics for customized lighting effects.

# FlexScape

## Inground IL9 low-voltage

The LED Inground model opens new horizons for low-voltage landscape lighting. It is designed for optimal LED performance and superior flexibility.

The luminaire creates visual interest for, pathways, walls, columns and foliage. Its rugged housing installs directly into the soil. In addition to low-energy outdoor lighting, it features convenient on site beam adjustability. This all-weather luminaire comes with 100% molded silicone gaskets.



## Specifications

### Beam Adjustability

Lens zooms from narrow (15°) to medium (30°) beam, accessible after easy removal of three screws on lens ring. Interchangeable flood (60°) lens included.

### Switchable Light Levels

Integral switch for 4 preset light outputs: 130, 270, 480, 640 lumens based on 3K, MED lens. Adjust using Phillips-head screwdriver after removal of lens ring, optical assembly and heatsink.

### Limited Aiming

Heatsink doubles as an aiming apparatus, providing a range of 30° (15° from center both ways). Aiming can be adjusted after easy removal of three screws on lens ring.

### Driver

12V Class 2 driver housed in injection-molded case with encapsulated electronics.

### IP68 Rating

Dust-tight and sealed against direct jets of water and against continuous immersion up to a depth of 1 meter (3.28 feet).

### Wiring

Pre-wired with 3-ft. pigtail and quick connector for easy hookup to low-voltage supply cable.

# Features

- Efficacy<sup>1</sup>: 56 lm/w to 69 lm/w
- CCT: 3000K and 4000K
- CRI: 70 min.
- Lumens<sup>1</sup>: 111lm to 689lm
- Wattage: 12W (max)
- Voltage: 12V typical (10.5V-15V)
- 50,000 hour rated life (L<sub>70</sub>)
- 5-year limited warranty<sup>2</sup>



# Components

- 1. Lens Ring**  
 Lens ring secures with three (3) Phillips-head screws. Clamps lens and gasket into place, flush for ADA compliance.
- 2. Molded Lens**  
 Environmental barrier, sealing, flush for ADA compliance, slight curvature to shed water and debris.
- 3. Lens Gasket**  
 Molded gasket slips onto lens without tools or RTV.
- 4. Zoom Path**  
 Tool-less adjustable/removable path for Zoom Lens and Flood Lens, high brightness white for maximum light output.
- 5. Flood Lens<sup>3</sup>**  
 Interchangeable lens provides 60° flood output.
- 6. Zoom Lens<sup>3</sup>**  
 Interchangeable lens provides 15° to 35° beam depending on position.
- 7. TIR**  
 Snap-in optic shapes beam for zoom and flood lenses.
- 8. Zoom Support**  
 Support for TIR and Zoom Path, locates optics precisely relative to LED, high brightness white for maximum light output.
- 9. LED Board**  
 Custom PCB with Philips Lumileds Luxeon M, 3000K/4000K.
- 10. Heatsink**  
 Spherical shape enables aiming while transferring heat to exterior housing for better thermal performance.
- 11. Fixture Housing**  
 Housing includes molded-in metal fins for thermal performance, molded-in brass inserts for repeatable opening/closing. External fins aid thermal management and discourage "heaving" and twisting after installation. Incoming wires factory sealed including anti-wicking feature.

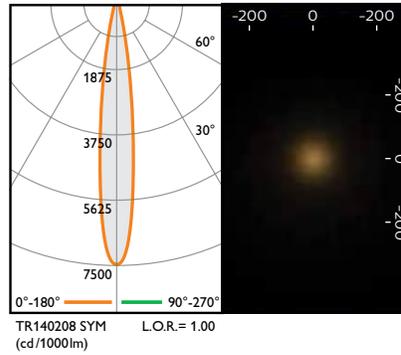
1. Values depend on luminaire options.  
 2. Based on standard 5-year limited warranty. See <http://www.lightingproducts.philips.com/Documents/webdb2/Hadco/pdf/Hadco-FlexScape-LED-Warranty.pdf> for complete warranty information.  
 3. Select from either a Zoom or Flood lens optics for customized lighting effects.

# FlexScape

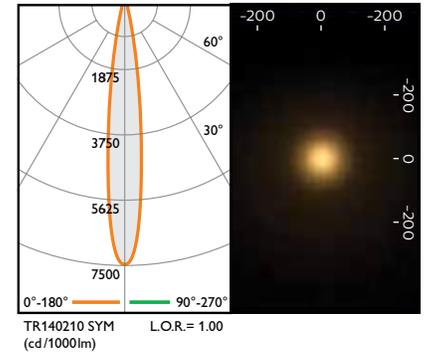


## BL9 Warm 3,000 K

**Spot**  
minimum output



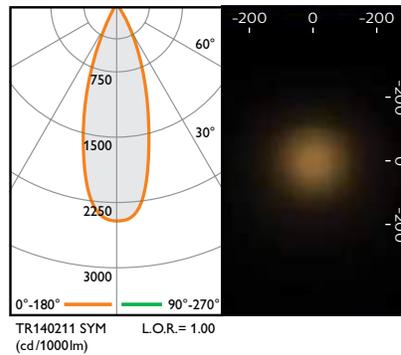
**Spot**  
maximum output



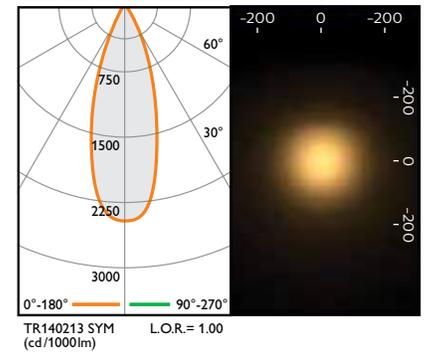
### Watts Consumed / Needed to Drive

	2.0W	4.5W	8.6W	10.7W
Milliamps (mA)	230 mA	600 mA	1100 mA	1500 mA
15° 3000K (warm)	113 lm	241 lm	429 lm	567 lm
35° 3000K (warm)	132 lm	284 lm	505 lm	669 lm
60° 3000K (warm)	111 lm	241 lm	428 lm	561 lm
15° 4000K (cool)	131 lm	269 lm	477 lm	602 lm
35° 4000K (cool)	155 lm	316 lm	562 lm	710 lm
60° 4000K (cool)	131 lm	268 lm	477 lm	598 lm

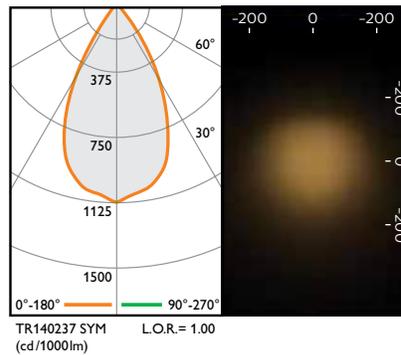
**Narrow Flood**  
minimum output



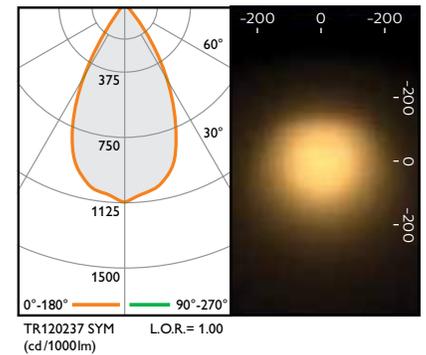
**Narrow Flood**  
maximum output



**Flood**  
minimum output

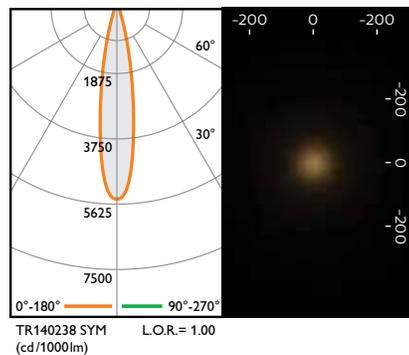


**Flood**  
maximum output

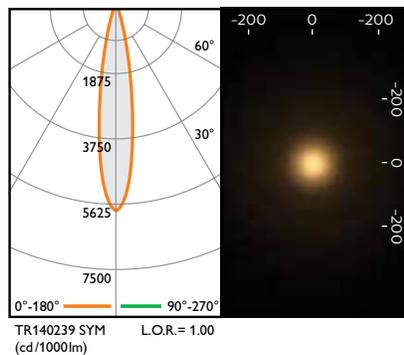


## IL9 Warm 3,000K

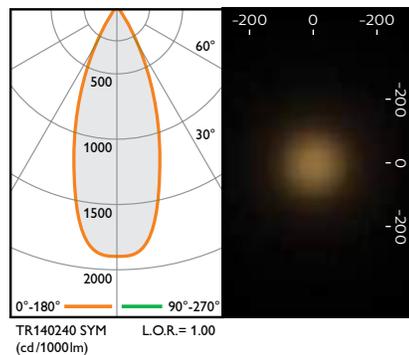
**Spot**  
 minimum output



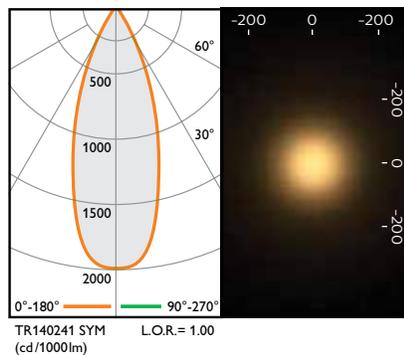
**Spot**  
 maximum output



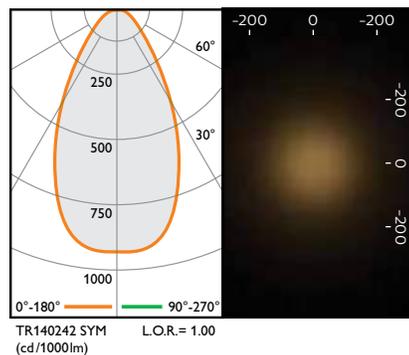
**Narrow Flood**  
 minimum output



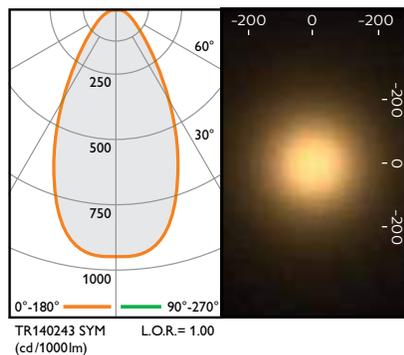
**Narrow Flood**  
 maximum output



**Flood**  
 minimum output



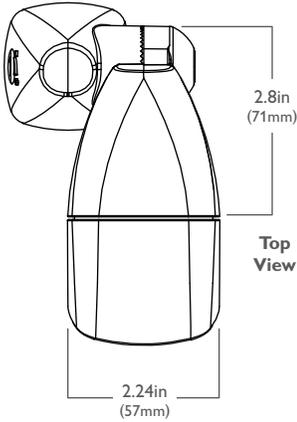
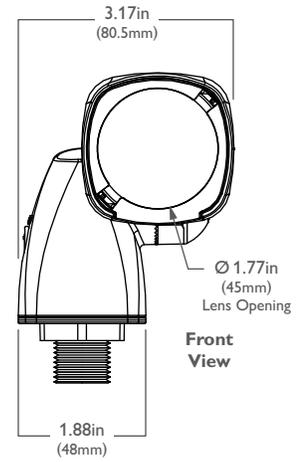
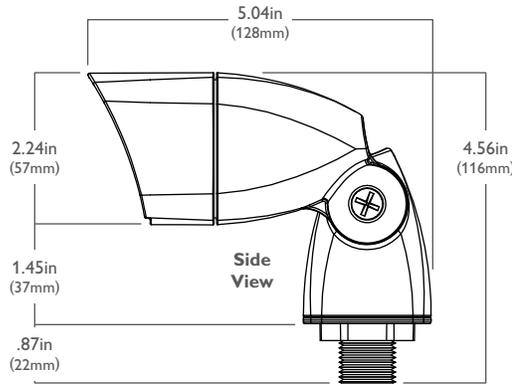
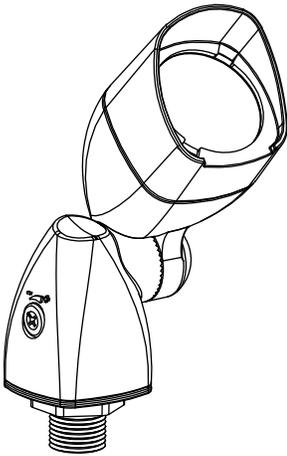
**Flood**  
 maximum output



### Watts Consumed / Needed to Drive

	2.0W	4.5W	8.6W	10.7W
Milliamps (mA)	230 mA	600 mA	1100 mA	1500 mA
15° 3000K (warm)	111lm	235 lm	419 lm	554lm
35° 3000K (warm)	129lm	273 lm	485 lm	642lm
60° 3000K (warm)	115lm	245 lm	436 lm	571lm
15° 4000K (cool)	118lm	262lm	465 lm	587lm
35° 4000K (cool)	137lm	303 lm	539 lm	<b>681lm</b>
60° 4000K (cool)	122lm	272 lm	484 lm	606lm

# FlexScape



## Ordering guide

example: BL9DW-AS7

Series	Lamping	CCT	Finish	Mount
<input type="text" value="BL9"/>	<input type="text" value="D"/>	<input type="text" value="-"/>	<input type="text" value=""/>	<input type="text" value="S7"/>
<b>BL9</b> Low-Voltage Accent luminaire	<b>D</b> LED	<b>W</b> Warm (3,000K) <b>C</b> Cool (4,000K)	<b>A</b> Black <b>H</b> Bronze	<b>S7</b> Stake

## Lighting applications



**Spot lighting** Focuses an intense beam of light on a particular subject. Showcases focal points.



**Shadowing** Creates a shadow on a vertical surface by placing the fixture in front of the subject.



**Moon lighting large trees** Simulates the light of the full moon filtering through the foliage of a tree. Projects shadows on the ground and lights what is under the tree (paths, sidewalks, flowers, etc.).



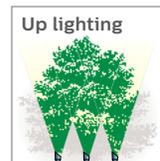
**Grazing** Enhances texture of a surface by positioning a fixture close to the surface and aiming the beam upward or downward.



**Tree lighting up and down** Combines simulated full moon light filtering through the tree and uplighting from within to illuminate the canopy. Creates a softer light on the trunk and keeps all fixtures off the ground.



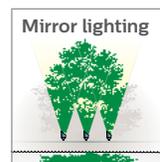
**Fountain lighting** Creates dramatic effects of water movement in fountains and water features while enhancing the structure of the fountain.



**Up lighting** An unnatural, therefore dramatic way of lighting trees and architectural structures. Highlights details on structures and can be used to repeat patterns to create interest.



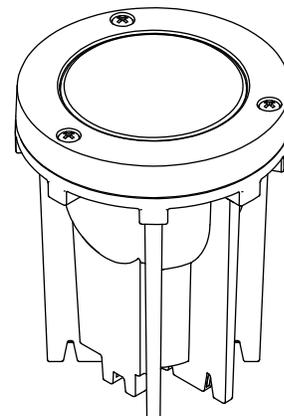
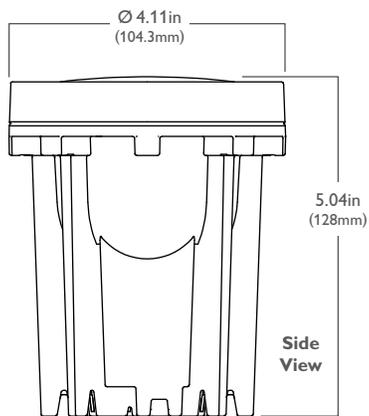
**Silhouetting** Displays a dark image of the subject by lighting a vertical surface behind the subject. Effective technique to show shape, but does not show color or texture of the subject. Achieves wall washing at the same time.



**Mirror lighting** Lights a background scene to reflect it into a nearby body of water.



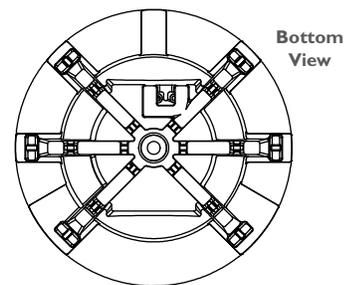
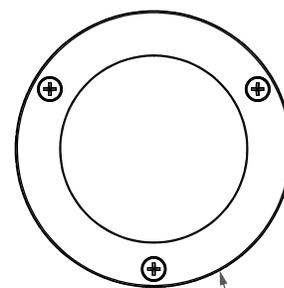
**Sign lighting** Identifies signage after dark: entrances to sub-divisions, country clubs, office complexes, and small shopping centers.



## Ordering guide

example: IL9DC-A

Series	Lamping	CCT	Finish
IL9	D	—	A
IL9 Low Voltage Inground luminaire	D LED	W Warm (3,000K) C Cool (4,000K)	A Black



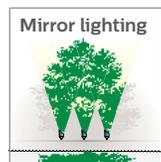
## Lighting applications



**Spot lighting**  
 Focuses an intense beam of light on a particular subject. Showcases focal points.



**Grazing**  
 Enhances texture of a surface by positioning a fixture close to the surface and aiming the beam upward or downward.



**Mirror lighting**  
 Lights a background scene to reflect it into a nearby body of water.



**Up lighting**  
 An unnatural, therefore dramatic way of lighting trees and architectural structures. Highlights details on structures and can be used to repeat patterns to create interest.



**Sign lighting**  
 Identifies signage after dark: entrances to subdivisions, country clubs, office complexes, and small shopping centers.



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