

lumière



## **MONACO 3000 SERIES**

Adjustable Ingrade Luminaire

Innovation you can rely on™

 **COOPER** Lighting





## MONACO 3000

**Best-In-Class performance in an in-grade fixture.**

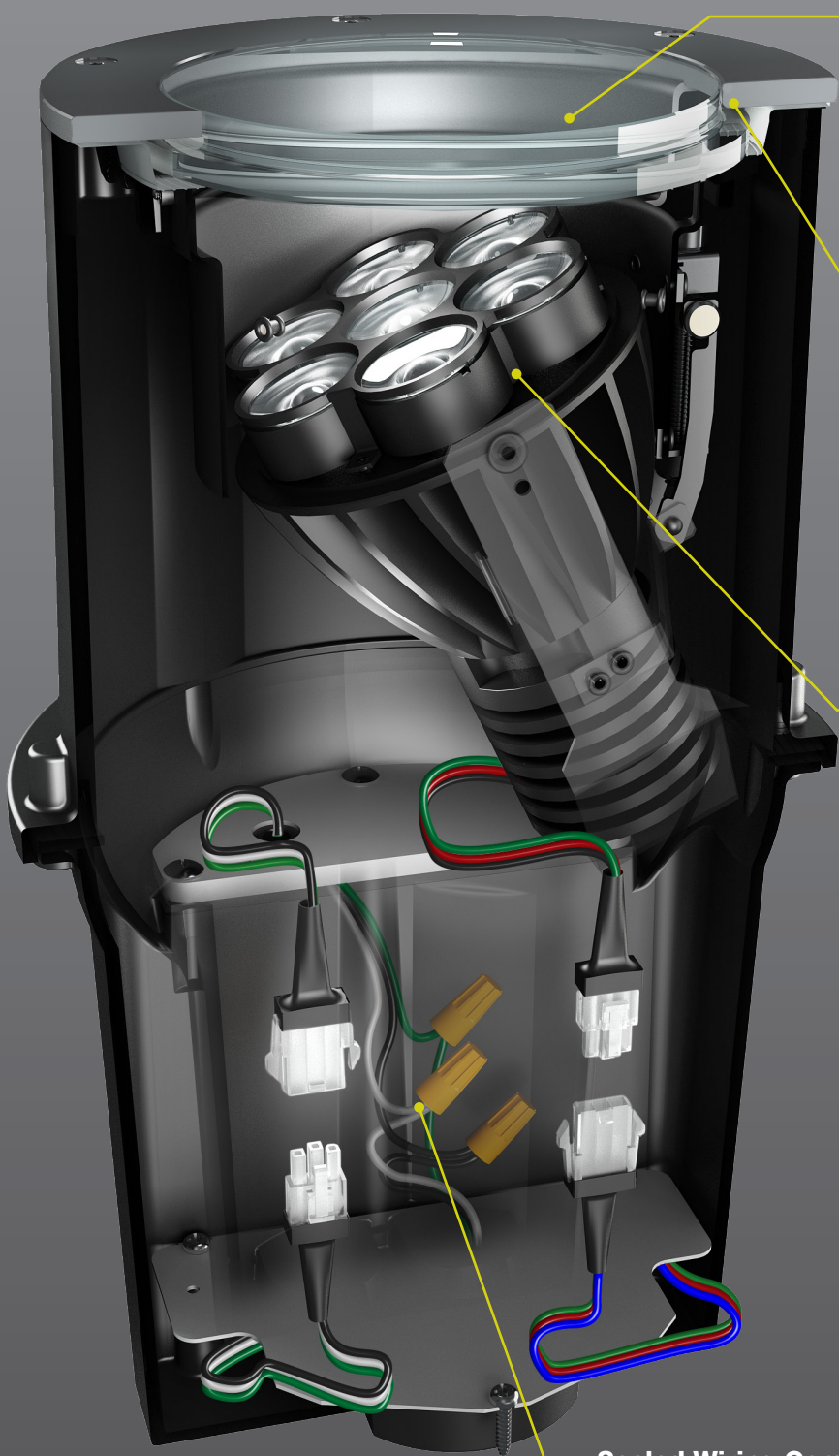
Lumière leads the way in designing innovative architectural and landscape lighting solutions for the most complex outdoor environments. The Monaco 3000 is a powerful lighting tool for uplighting building façades, trees, columns, and other interesting site features. This compact, direct burial fixture offers brilliant lighting effects, while being able to withstand the harshest and most abusive outdoor environments. For ultimate flexibility, the Monaco 3000 presents a variety of beam spreads combined with 25° field-adjustable tilt and 360° rotation to allow precise lockable aiming; giving the ability to highlight building and site features perfectly. Cooper Lighting's ground-breaking LED technology offers extremely long life and low-wattage performance to meet the most stringent energy requirements. Engineered with easy installation and worry-free maintenance in mind, the Monaco 3000 is a great choice for reliable in-grade performance.





# MONACO 3000 SERIES

# FEATURES & BENEFITS

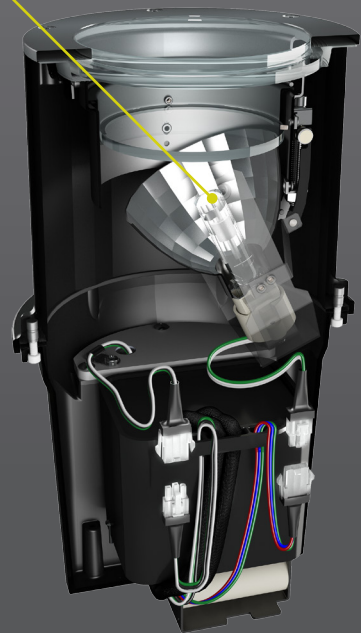


**Durable Borosilicate Glass**  
Molded 1/2" thick borosilicate glass provides unparalleled strength for drive-over applications up to 5000 pounds. The glass is stepped to allow room for factory-installed gasketing that maintains the IP68 seal, and domed to allow water to run off, rather than interfering with your beam.

**Premium Material Trim Ring**  
Trim rings for the Monaco 3000 are made from brass or stainless steel to offer the highest weatherability and corrosion resistance. Lumière also offers an optional square trim ring to compliment additional architectural

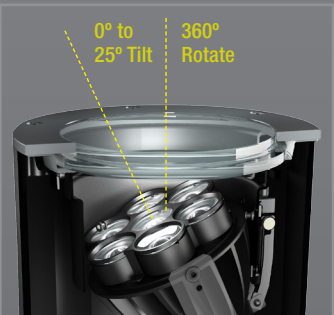
**Light Source Flexibility**  
Light sources to fit your every application and budget. Use LED when you need extreme energy efficiency to meet stringent energy code requirements, use HID for long life on a modest budget, or go with a PAR halogen if up-front economy is your primary concern.

**Sealed Wiring Compartment**  
The wire box is completely sealed, so in the unlikely event that water comes up through the conduits, your electrical components remain safe and dry. Housings are fitted with two 3/4 NPSM knockouts on the bottom with an optional side entry to accommodate challenging wiring issues. (Consult factory for side conduit entry)

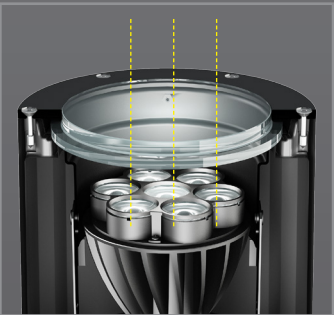


Distance	fc	Beam Diameter
15'	189	2.3'
10'	425	1.6'
8'	664	1.2'
6'	1181	0.9'
4'	2656	0.6'
2'	10625	0.3'

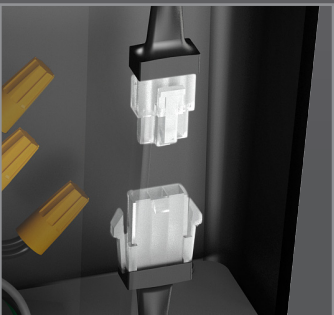
**9° Beam Spread**  
The LED version of the Monaco 3000 offers super tight 9° spot optics for tall palm trees or skinny flagpoles. With 34000cd, you'll get a lot of punch from a narrow beam of light.



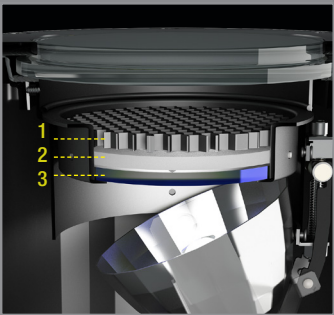
**Adjustable Optics**  
Unlike most other direct burial products, the Monaco 3000 can be fully adjustable in the field, which is a huge benefit for trees that will continue to grow and change. The lamp assembly tilts from 0- to 25°, so owners can re-aim fixtures as needed throughout the life of the landscape.



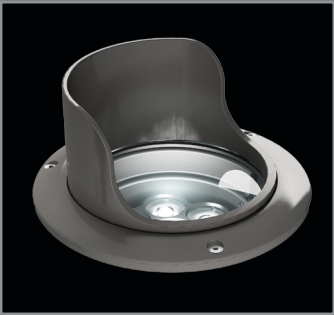
**Fixed Beam**  
Don't need adjustability on your project? No problem. The Monaco 3000 can be ordered in a tilt-free version as well, as a more cost-effective solution. Non-adjustability is a good choice for simple uplighting of building features that remain static.



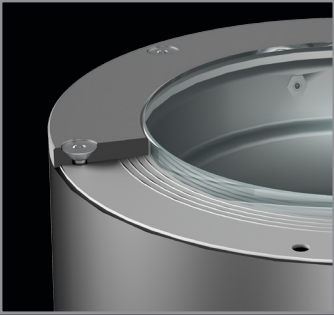
**Quick Disconnects**  
The Monaco 3000 is easy to install and assemble, featuring secure quick disconnects rather than less reliable wirenuts. This reduces installation time for the contractor on site.



**Internal Accessories**  
Whatever your design needs, the Monaco 3000 can accommodate. This fixture can fit up to three accessories, including hex cell louvers, colored dichroic glass, or spread lenses, giving you ultimate design flexibility.



**External Accessories**  
Glare shields, rock guards, or diffusion lenses can be added to the outside of the fixture to give better performance for specific installation needs. See page 10 for accessory details.



**Sealed Against the Elements**  
The Monaco 3000 is IP68 rated for exterior wet applications that may be susceptible to flooding. A limited number of seal locations presents fewer entry points for moisture. Add that to our unique highly-engineered gasket ring, and even the smallest drop of water has no chance of entering the fixture!

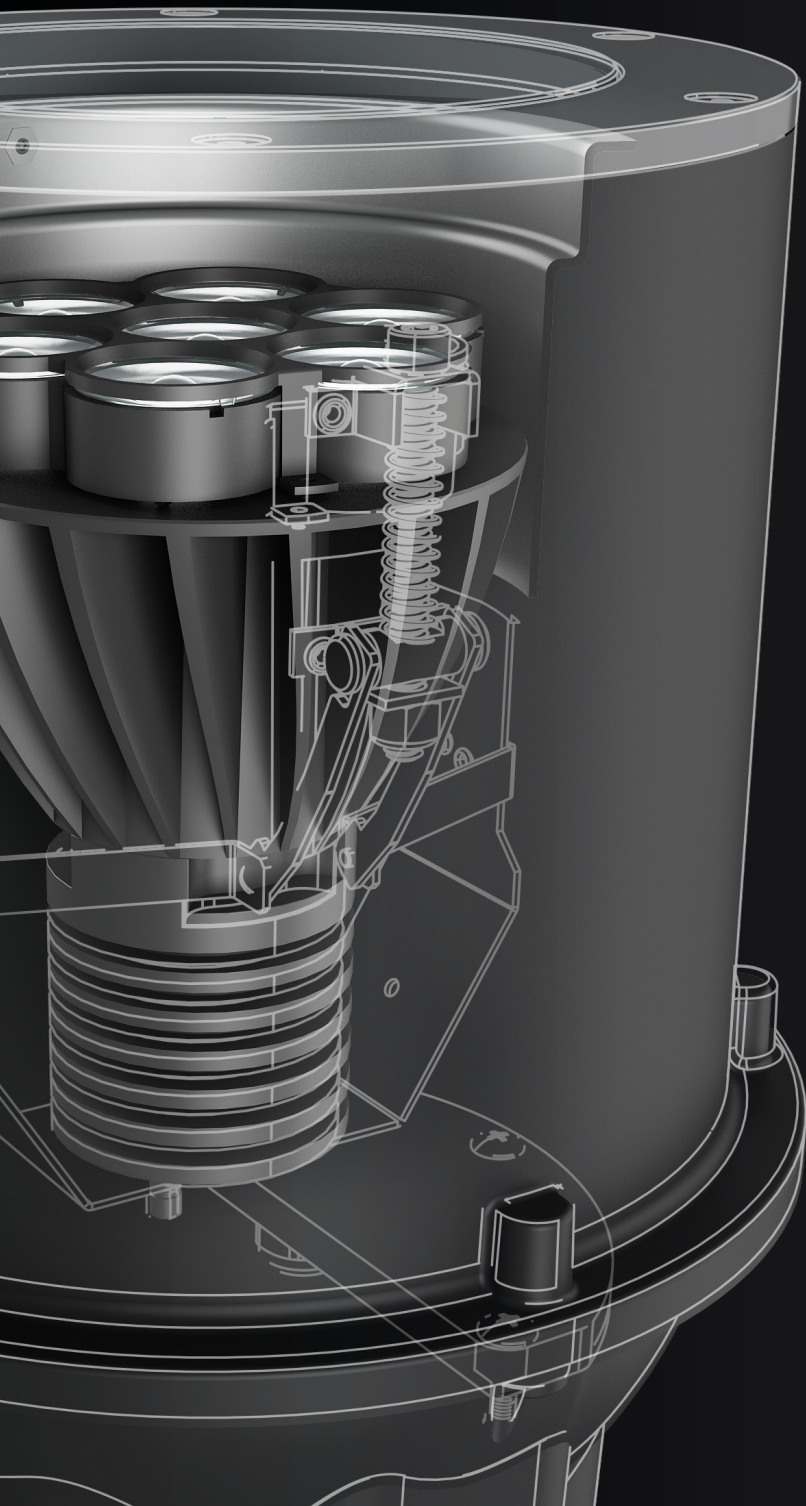


**Housing Materials**  
The housing for the Monaco 3000 is made with injection-molded polyphenylene sulfide (PPS), a strong material, highly resistant to chemicals, heat, and environmental degradation.



# Innovation you can rely on™

lumière



Cooper Lighting is at the forefront in transforming the lighting industry and setting an unmatched standard for **innovation** and **reliability**. No one will do more to empower you with the innovations, technology and resources you need to meet the challenges of the future.

### EFFICIENCY

Cutting edge LED sources provide about 60 lumens per watt for an efficient alternative to HID.

### RELIABILITY

LED systems are rigorously tested to using the most stringent standards, including LM79 and LM80. Every LED fixture is burned for one hour before it leaves the factory, as most failures will occur within that time period. You can rest assured that the fixture that arrives on the job site is one you can depend on.

### CONTROL

LED products come with electronic low voltage dimming for maximum flexibility in a variety of applications.

### PHOTOMETRICS

Photometry is carefully measured at our Innovation Center using a goniophotometer. Results are accurate and reliable, conforming to LM79 standards.

### LIFE

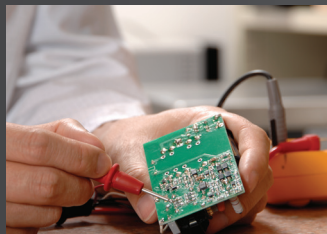
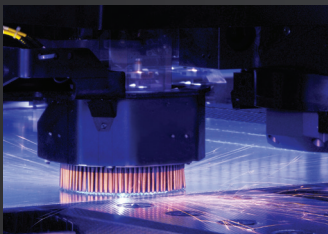
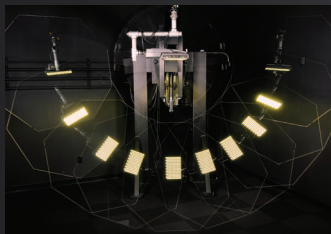
Using TM-21-11 mathematics, our LEDs and drivers are predicted to last at least 50,000 hours. That is more than 11 years running at 12 hours per day. Maintenance costs will be a thing of the past.

### SERIALIZATION

We track each and every LED module that goes into our products with a unique serial number to maintain an unprecedented level of quality control.

### QUALITY

All LED products exceed the industry binning standard to provide excellent color consistency and come with 85 Color Rendering Index (CRI).

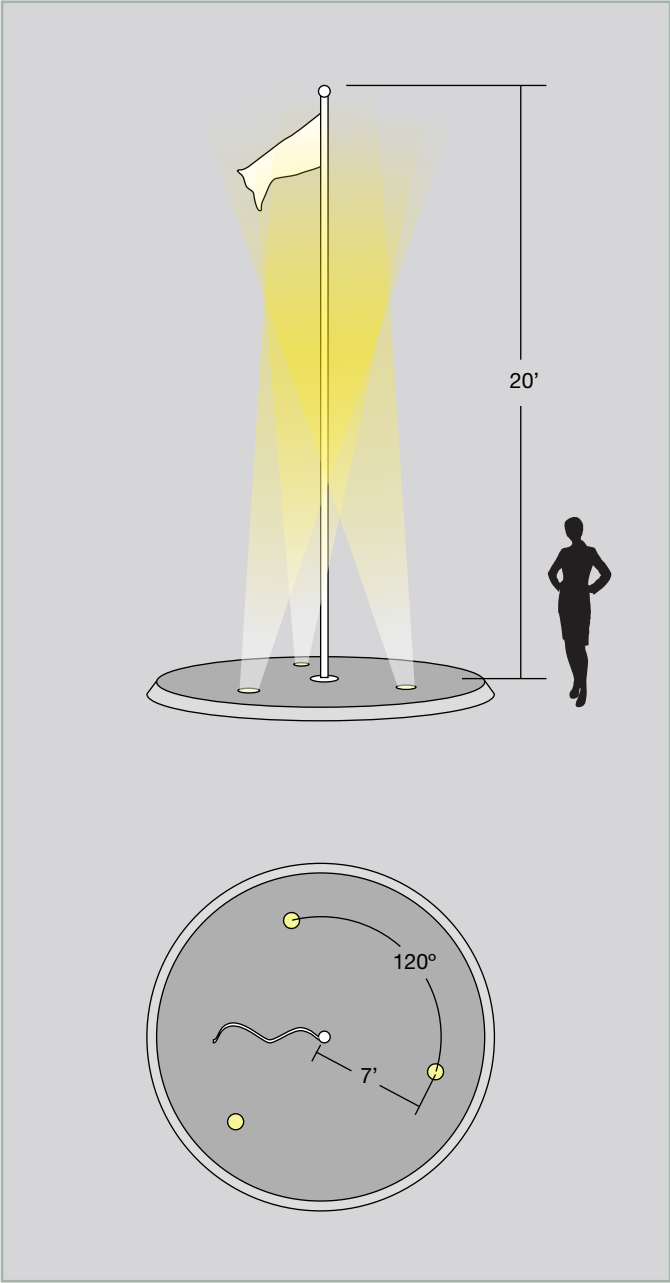




# TYPICAL APPLICATIONS

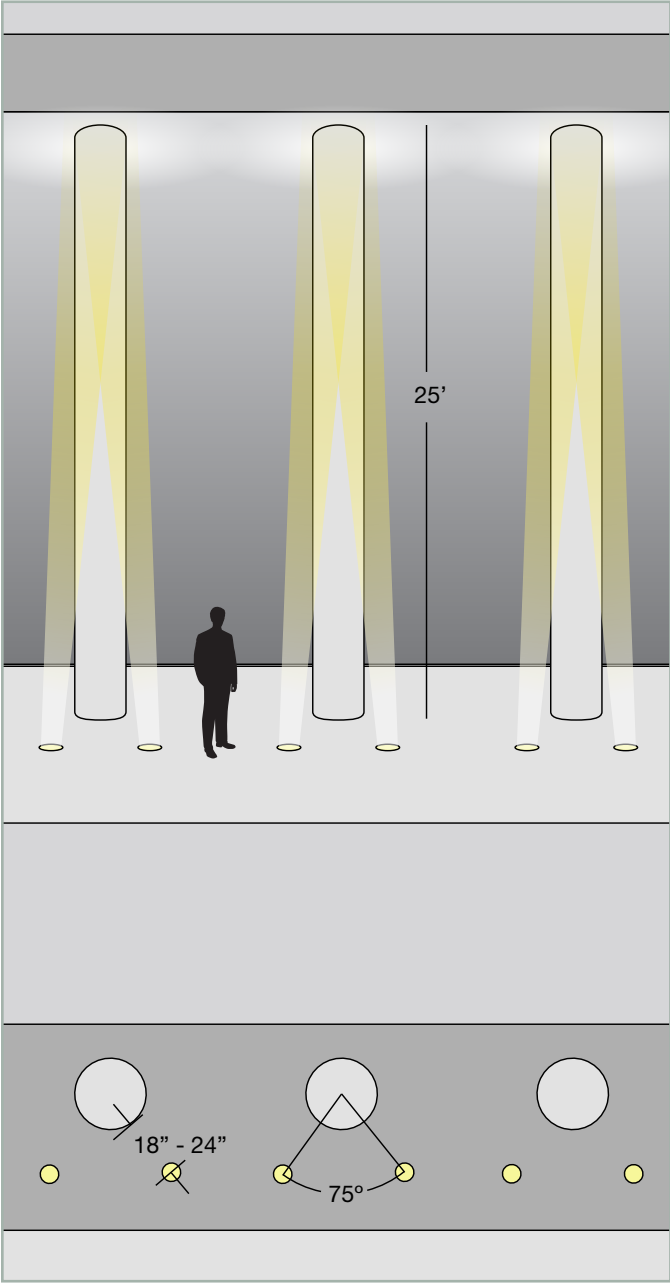
Narrow spot (9°) optics offer a great solution for wall grazing along textured surfaces, shooting up vertical columns, or for highlighting a small building detail from afar. Narrow (20°), medium (30°) and wide (60°) floods can assist with a variety of applications for signage, building façades, or large trees. With so many optics to choose from, you can make your site a destination for pedestrians and tourists!

## Flag Pole



Install at least two, preferably three fixtures at 120° spacing around a circle. Install fixtures away from the pole about 1/3 to 1/2 the height of the pole. Choose a beam spread that is appropriate for the height and size of the flag.

## Colonnade



Install two fixtures per column along the front side at about 75° to each other. Space fixtures approximately 18" - 24" from column and use a spot distribution for maximum effect.

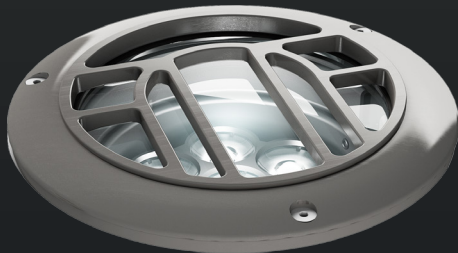


## Wall Graze

Install fixtures as close to textured wall as possible, approximately 6" to 12" from surface. Space fixtures approximately 18" - 24" and use a spot distribution for maximum effect.

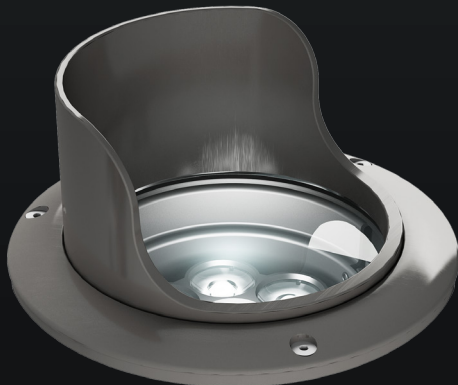


ACCESSORIES



Rock Guard

The Monaco 3000 offers a rock guard to keep sharp objects from breaking the glass. Designed with performance in mind, this accessory features slots to allow fixture aiming and can be rotated in the field and locked in place.



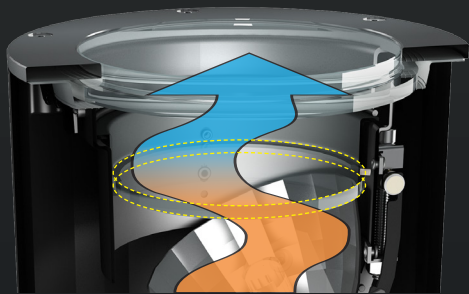
Straight Glare Shield

Like the rock guard, the glare shield can be field rotated up to 360° to just the right angle and locked in place to prevent misalignment.



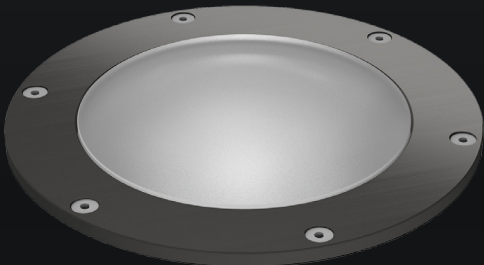
Round or Square Trims

Trim rings for the Monaco 3000 Series are made from brass or stainless steel to offer the highest weather ability and corrosion resistance. Lumière also offers a round or square trim ring to compliment any architectural style.



TRL - Temperature Reduction Lens

This HID accessory reduces outer lens temperatures up to 20° Celsius. The outer borosilicate glass lens remains intact and a second lens is installed inside the fixture. This infrared dichroic glass allows the light to pass through while directing some of the heat away from the top glass.



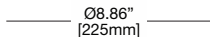
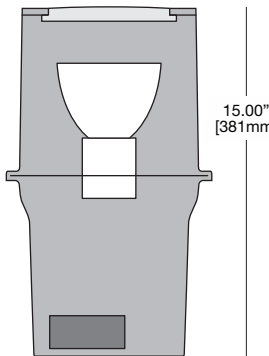
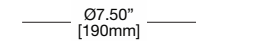
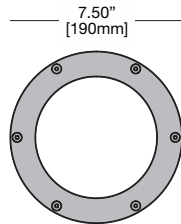
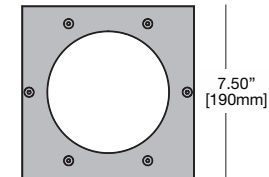
Diffused Lens

Need more subtle light without any harsh shadows for a specific application? Then specify the Monaco 3000 diffusion lens. The frosted glass scatters light in all directions to smooth and soften the beam.



**THE MONACO 3000** family consists of HID, halogen/incandescent and LED lamping. The Monaco 3000 utilizes HID sources including T4.5, T6, BT5, PAR20 and PAR30; the Monaco 3001 is the lowest cost model and utilizes halogen and incandescent PAR20 and PAR30 lamps and the Monaco 3002 has LED as its source. The Monaco 3000 family are all small scale, versatile, ingrade luminaires. The adjustable versions, 3000A/3001A/3002A, provides up to 25° tilt and 360° rotation of the lamp beam allowing for precision, lockable aiming. The non-adjustable versions, 3000N/3001N/3002N, provide a fixed uplight with slightly reduced cost. The optional cool lens – dual lens allows the HID, halogen and incandescent sources to be used in pedestrian areas and helps to reduce the temperature of the lens, making it more walk-over friendly. The best option for pedestrian areas is our LED offerings.

- +/-25° x 360° lockable aiming
- Up to three optical accessories (lenses, louvers, filters)
- Drive over rated to 5000 lbs
- Stainless steel, captive hardware
- CA Title 24 Compliant (\*when ordered w/ 20W max source or LED)
- IP68
- 3 year warranty



FIXTURE	
3000	HID Ingrade Luminaire, 7.5"
3001	Halogen or Incandescent Ingrade Luminaire, 7.5"
3002	LED Ingrade Luminaire, 7.5"

TYPE	
A	Adjustable 0° -25° Tilt / 360° Rotate
N	Non-Adjustable / 360° Rotate

TRIM	
RD	Round Trim, 7.5" Diameter
SQ	Square Trim, 7.5" Square

SOURCE - HID (3000)	
Lamp not included	
MH20T3	T3.5 Metal Halide 20W PGJ5 (120V only, electronic ballast)
MH39T3	T3.5 Metal Halide 39W PGJ5
MH20T4	T4.5 Metal Halide 20W G12 (UNV only)
MH39T4	T4.5 Metal Halide 39W G12
MH20PAR20	PAR20 Metal Halide 20W Medium Base (UNV only)
MH39PAR20	PAR20 Metal Halide 39W Medium Base
MH39PAR30	PAR30 Metal Halide 39W Medium Base
MH70PAR30	PAR30 Metal Halide 70W Medium Base
MH39T6	T6 Metal Halide 39W G12
MH70T6	T6 Metal Halide 70W G12

HID DISTRIBUTION - HID T4.5, T6, & BT5	
SP	Spot - (T4.5=11°, T6=13°, BT5 (T3.5) =9°)
MFL	Medium Flood - (T4.5=47°, T6=45°, BT5 (T3.5) =34°)
WFL	Wide Flood - (T4.5=57°, T6=64°, BT5 (T3.5) =51°)

SOURCE - 120V HALOGEN/INCANDESCENT (3001)	
Lamp not included	
PAR20	PAR20 Up To 50W Medium Base, 120V Only
PAR30	PAR30 Up to 75W Medium Base, 120V Only

SOURCE - LED (3002)	
18LED3000	18W LED, 3000K, 85 CRI
18LED4000	18W LED, 4000K, 85 CRI
DISTRIBUTION - LED	
SP	9° Spot
NFL	15° Narrow Flood
MFL	25° Medium Flood
WFL	40° Wide Flood

TOP GLASS	
CLR	Clear top glass
DIF	Diffused top glass
NSL	Non-slip lens

VOLTAGE	
120	120V (HID or Incandescent only)
208	208V (HID only)
240	240V (HID only)
277	277V (HID only)
UNV	120-277V 50/60Hz, electronic ballast/driver (HID/LED only. Not available for 70W sources)

FINISH	
BK	Black Powdercoat over brass substrate
BZ	Bronze Powdercoat over brass substrate
CS	City Silver Powdercoat over brass substrate
VE	Verde Powdercoat over brass substrate
WT	White Powdercoat over brass substrate
NBR	Natural Brass
NSS	Natural Stainless Steel

OPTIONS	
LBB	Less Back Box (Advance Ship Back Box Select LBB and order Back Box Separately per Below)

ORDERING EXAMPLE	
3002N-RD-18LED3000-SP-CLR-UNV-NSS	



\*TITLE 24 UL cUL US IP68

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Mississauga, Ontario L5R 1B8

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F: 905-568-7049

**The Cooper Lighting Family**

Halo  
Metalux  
Lumark  
Sure-Lites  
Neo-Ray  
Corelite  
Portfolio  
Iris  
Shaper  
io  
Lumière  
Invue  
McGraw-Edison  
Streetworks  
Fail-Safe  
MWS  
DLS  
RSA  
Ametrix

**Domestic Facilities**

Cranbury, New Jersey  
Elk Grove Village, Illinois  
Irving, Texas  
Ontario, California  
Peachtree City, Georgia

**Canadian Facilities**

Calgary, Alberta T2E 7V9

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