

## DESCRIPTION

Monaco 3000 series is a small scale, versatile, LED, HID or incandescent inground illuminator for use with T4.5, T6, T3.5; PAR20 and PAR30 metal halide lamps or LED. The adjustable versions, 3000A, 3001A and 3002A provide up to 25° tilt and 360° rotation of the lamp beam allowing for precision aiming. The non-adjustable versions, 3000N, 3001N and 3002N provide a fixed upright. The Monaco 3000 is ideal for uplighting building facades, trees, columns, and other interesting site features.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Material

Recessed housing is constructed from corrosion-proof, injection molded polyphenylene sulfide (PPS). Trim ring is constructed from corrosion-resistant brass or stainless steel.

### Finish

Painted trim rings are constructed from solid brass with a polyester powdercoat paint finish. A variety of standard colors is available. Machined natural brass or stainless steel trim rings are unpainted and available in either round or square forms. Brass will patina naturally over time.

### Lens

Domed 1/2" thick tempered glass lens, factory sealed with high temperature gasket to prevent water intrusion. Suitable for drive-over applications to 5000 lbs.

### Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance. Outer trim ring includes captive fasteners.

### Electrical

LED fixtures include an integral, universal input driver (120V - 277V).

### LED Light Engine

LED light engine is included and comes equipped with (7) 3-watt white LEDs. Factory configurable optics allow for four optical distributions. High CRI of 85 with excellent color consistency of +/-50K color temperature.

### Dimming

The LED light engine is dimmable to 15% with electronic low voltage equipment (ELV dimmers need a neutral connection in the wall box).

### Warranty

Lumière warrants it's fixtures against defects in materials & workmanship for three (3) years. Driver carries the original manufacturer's warranty.

### Recessed Housing

Recessed housing is provided with two 3/4 inch NPS threaded conduit entries. The recessed housing is available to ship in advance of complete fixture for rough-in purposes. Specify option -LBB and order recessed housing and accompanying components from below:

Recessed housing:  
3000-BBR  
3000-BBS

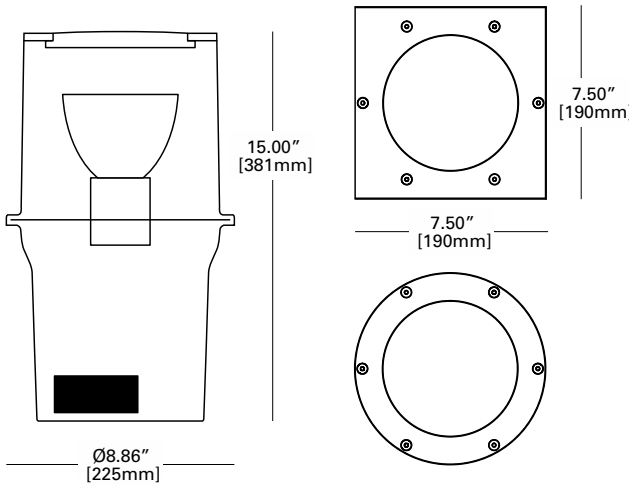
Recessed housing with fusing:  
3000-BBR-FUS  
3000-BBS-FUS



## MONACO

3002N  
LED

APPLICATIONS:  
NON-ADJUSTABLE INGROUND



### CERTIFICATION DATA

UL and cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
IP67 Ingress Protection Rated

### TECHNICAL DATA

18 Watt Max. LED  
40°C Maximum Temperature Rating

## ORDERING INFORMATION

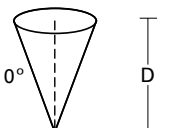
Sample Number: 3002N-RD-18LED3000-MFL-CLR-UNV-BZ

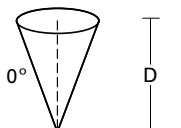
Series	Trim	Source	Distribution	Top Glass	Voltage	Finish <sup>1</sup>	Other
3002N=Monaco 3002 LED Non-Adjustable Aiming	RD=Round SQ=Square	18LED3000=18W LED, 3000K, 85 CRI 18LED4000=18W LED, 4000K, 85 CRI	SP=9° Spot NFL=15° Narrow Flood MFL=25° Medium Flood WFL=40° Wide Flood	CLR=Clear Top Glass DIF=Diffuse Top Glass NSL=Non-Slip Lens	UNV=120-277V 50/60Hz, electronic driver	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White <b>Premium Material</b> NSS=Natural Stainless Steel NBR=Natural Brass	LBB=Less Back Box FUS=Fusing

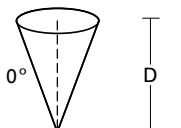
## ACCESSORIES

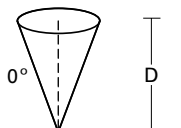
Filters (4.95" Diameter)	Optical Lenses (4.95" Diameter)	Optical Louvers (4.95" Diameter)	Light Control	Electrical
<b>F71-38</b> = Peach Dichroic <b>F72-38</b> = Amber Dichroic <b>F73-38</b> = Green Dichroic <b>F74-38</b> = Medium Blue <b>F75-38</b> = Yellow Dichroic <b>F76-38</b> = Red Dichroic <b>F77-38</b> = Dark Blue Dichroic <b>F78-38</b> = Light Blue Dichroic <b>F79-38</b> = Neutral Density Dichroic <b>F80-38</b> = Magenta Dichroic <b>F22-38</b> = Red Color <b>F33-38</b> = Blue Color <b>F44-38</b> = Green Color <b>F55-38</b> = Yellow Color <b>F66-38</b> = Mercury Vapor	<b>LSL-38</b> =Linear Spread Lens (elongates standard beam spread) <b>DIF-38</b> =Diffused Lens (provides even illumination) <b>OSL-38</b> =Overall Spread Lens (increases standard beam spread)	<b>LVR-38</b> =45° Hex Cell Louver (reduces glare)	<b>3000-RG</b> =Rock Guard <b>3000-SG</b> =Straight Glare Shield	<b>3000-FUS</b> =Fusing Package

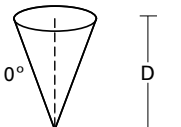
## PHOTOMETRY

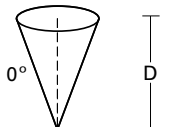
3002A-18LED3000-SP			
Test No.	P166840		
CCT	3000K		
Lumens	967 Lm		
Watts	16.6W		
LPW	58.3 Lm/W		
Beam Angle	8.9°		
Field Angle	17.2°		
CBCP	30118 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	301.2	1.4	1.4
20'	75.3	3	3
30'	33.5	4.6	4.6
40'	18.8	6.2	6.2

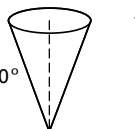
3002A-18LED3000-NFL			
Test No.	P166839		
CCT	3000K		
Lumens	971 Lm		
Watts	16.6W		
LPW	58.5 Lm/W		
Beam Angle	13.9°		
Field Angle	24°		
CBCP	14995 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	149.9	2.4	2.4
20'	37.5	4.8	4.8
30'	16.7	7.2	7.2
40'	9.4	9.6	9.6

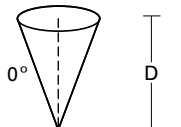
3002A-18LED3000-MFL			
Test No.	P166838		
CCT	3000K		
Lumens	912 Lm		
Watts	16.6 W		
LPW	55.5 Lm/W		
Beam Angle	22.8°		
Field Angle	48.7°		
CBCP	4010 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	40.1	3.8	3.8
20'	10	7.6	7.6
30'	4.5	11.4	11.4
40'	2.5	15.2	15.2

3002A-18LED3000-WFL			
Test No.	P166841		
CCT	3000K		
Lumens	947 Lm		
Watts	16.6 W		
LPW	57.0 Lm/W		
Beam Angle	36.2°		
Field Angle	53.2°		
CBCP	2674 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	26.7	6	6
20'	6.7	12	12
30'	3	18	18
40'	1.7	23.4	23.4

3002A-18LED4000-SP			
Test No.	P166844		
CCT	4000K		
Lumens	1113 Lm		
Watts	16.7 W		
LPW	66.6 Lm/W		
Beam Angle	8.9°		
Field Angle	17.4°		
CBCP	34797 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	348	1.4	1.4
20'	87	3	3
30'	38.7	4.6	4.6
40'	21.7	6	6

3002A-18LED4000-NFL				
Test No.		P166843		
CCT		4000K		
Lumens		1130 Lm		
Watts		16.6 W		
LPW		68.1 Lm/W		
Beam Angle		14.1°		
Field Angle		24.2°		
CBCP		17220 cd		
CONE OF LIGHT				
				
D	FC	L	W	
10'	172.2	2.4	2.4	
20'	43.1	4.8	4.8	
30'	19.1	7.2	7.2	
40'	10.8	9	9	

3002A-18LED4000-MFL			
Test No.	P166842		
CCT	4000K		
Lumens	964 Lm		
Watts	16.6 W		
LPW	58.1 Lm/W		
Beam Angle	21.3°		
Field Angle	46.2°		
CBCP	4753 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	47.5	3.4	3.4
20'	11.9	7	7
30'	5.3	10.6	10.6
40'	3	14.2	14.2

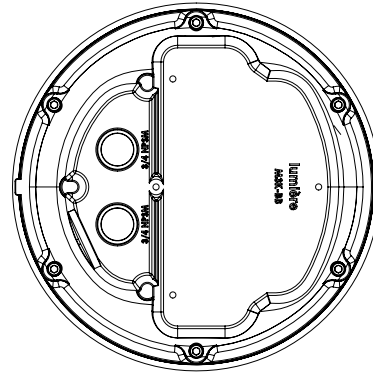
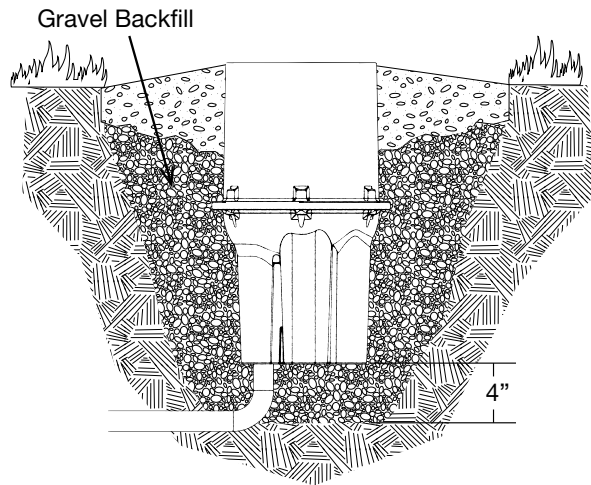
3002A-18LED4000-WFL			
Test No.	P166845		
CCT	4000K		
Lumens	1070 Lm		
Watts	16.7 W		
LPW	64.0 Lm/W		
Beam Angle	36°		
Field Angle	53.8°		
CBCP	2880 cd		
CONE OF LIGHT			
			
D	FC	L	W
10'	28.8	5.8	5.8
20'	7.2	11.8	11.8
30'	3.2	17.8	17.8
40'	1.8	23.4	23.4

## TECHNICAL NOTES

### INSTALLATION NOTES

Caution: To prevent water, dirt and debris from collecting, install fixture to allow runoff. Do not install fixture in areas where water can collect for long periods of time. Appropriate drainage must be provided.

Excavated hole must be approximately 15" in diameter by 20" in depth. Fixture must be installed with a minimum 4" depth of pea gravel or equivalent drainage base. Backfill an additional 8" depth of pea gravel on lower portion of fixture for soil stability. For more detailed installation instructions and warnings consult factory.



Bottom view of recessed housing showing two 3/4 inch NPS conduit entries.