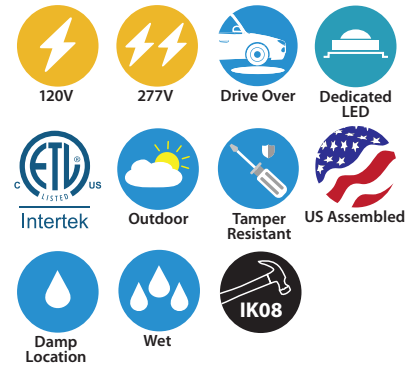
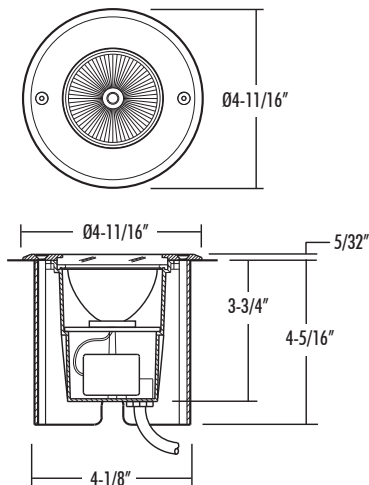


IG14 - 4" LED IN-GRADE 300LM (4W)



- IP67 for wet locations and poured concrete
- IK10 rated for drive over
- 120V-277V input option

ORDERING : IG14-B02-T30-FR

IG14

Fixture Optics Driver LED Options

Optics		Driver		Options	
30°	Blank	120V non-dimming	Blank	None	Blank
2° Pencil Beam	-B02	120V/277V	UE¹	Frosted Lens	-FR
45° Flood	-B45	LED		Slip Resistant	-SR
60° Wide Flood	-B60			Frosted Lens/Slip Resistant	-FR-SR
90° Very Wide Flood	-B90				
Wall Wash	-BWW				
		2700K	-T27		
		3000K	-T30		
		3500K	-T35		
		4000K	Blank		
		5000K	-T50		

¹ Special order.

SPECIFICATION

Application

Small 4" ingrade luminaire designed for lighting trees, landscaping, soft ground installation, building, and walkways. Easily installs in ground and concrete. Also used for drive over installation.

Outer Housing

Extruded Aluminum tube, with a black powder coat finish.

Housing

Constructed from a round one piece high grade die cast aluminum with a powder coat finish. Includes COB LED and reflector, LED driver, and a cable gland with cord. Housing secured to stainless steel trim (with glass and gasket) by three (3) flat head screws. Trim (with glass and gasket) is secured to outer housing by two (2) flat head stainless steel tamper resistant screws. A separate sleeve (by others/customer) may be needed when installing fixture. A junction box (by others/customer) is needed to connect cord from housing to power supply. Fixture is not rated for submersion. Proper drainage must be provided.

Trim

Machined and beveled round stainless steel trim/faceplate. Includes a separate 1/4" thick clear tempered glass lens and a silicone gasket. Secured to housing by three (3) flat head stainless steel tamper resistant screws. Trim (with glass and gasket) is secured to outer housing by two (2) flat head stainless steel tamper resistant screws. Optional Frosted Lens (-FR) and Slip Resistant (-SR) also available.

Electrical

Standard LED Driver (Blank) is 120VAC non-dimming, 50/60Hz, electronic Constant Current, Class 2, Power Factor >0.90 . Optional 120V/277V LED Driver (UE) also available.

Optics

Color Temperature:

Comes standard with 4000K (Blank). 2700K (-T27), 3000K (-T30), 3500K (-T35) and 5000K (-T50) also available.



Beam Spread:

Standard 30° (Blank). Optional 2° Pencil Beam (-B02), 45° Flood (-B45), 60° Wide Flood, 90° Very Wide Flood (-B90), and Wall Wash (-BWW) also available.

Lumen Maintenance:

Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

SPECIFICATION

Technical

IK10 rated. Static load (Walk over): 440 Lbs. Vehicle dynamic load (Drive over): 4400 Lbs maximum at less than 9 mph (pneumatic tires). Drive over installation requires proper support of outer housing underground. A separate sleeve (by others/customer) may be needed around trim when installing fixture.

Finish

Round beveled stainless steel trim.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for wet locations (IP67) and poured concrete. IK10 rated. Assembled in USA.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures during operation do not exceed 35°C/95°F. Installations exceeding this temperature will result in reduced LED lamp life.

IG14 (300lm, 30°, 4000K)

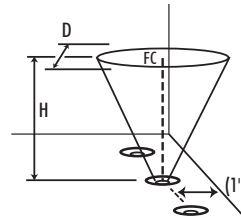
System Power:	4.2W
Test Date:	4/12/2018
Beam Angle 50%:	33.2°
Field Angle 0%:	70.1°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	309.6
CBCP:	686

MULTIPLIERS

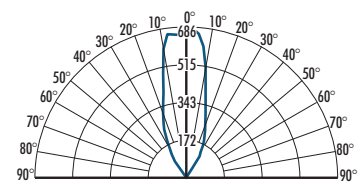
CCT	
5000K	1.00
4000K	1.00
3500K	0.93
3000K	0.93
2700K	0.86

FOOTCANDLE DISTRIBUTION

Height (H)	Beam Diameter (D)	Footcandle (FC)
16.0'	9.5'	2.7
14.0'	8.3'	3.5
10.0'	7.2'	4.8
12.0'	6.0'	6.9
8.0'	4.8'	10.7
6.0'	3.6'	19.1
4.0'	2.4'	42.9
2.0'	1.2'	171.5

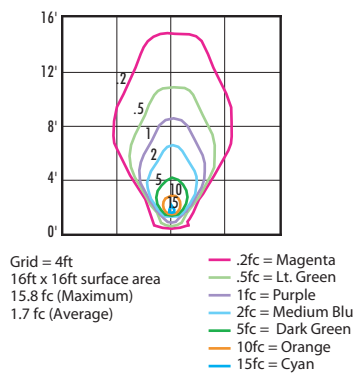


CANDELA TABULATION



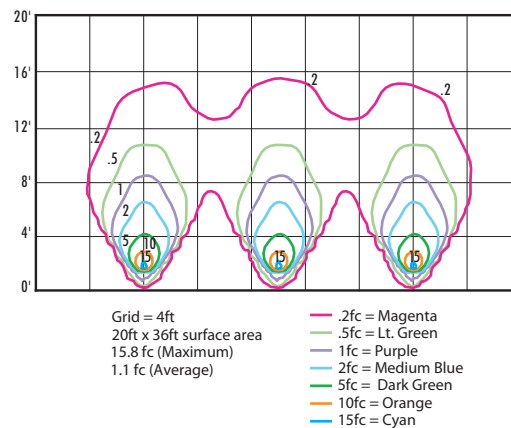
IG14 - ONE FIXTURE

Fixture 1' from wall



IG14 - THREE FIXTURES

Fixtures 1' from wall, (10' on center)



IG14-B02UE (300lm, Pencil Beam, 4000K)

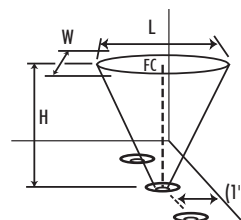
System Power:	4.3W
Test Date:	6/27/2019
Beam Angle (50%) W (Horiz'l. 90°-270°):	14.8°
Beam Angle (50%) L (Vert. 0°-180°):	65.9°
Field Angle (10%), Horiz'l: (29.6°)	
Color Temperature:	3977K
CRI:	87.2
R9 Value:	34.1
Lumens Delivered (lm):	70.4
CBCP:	191
PF:	0.68

MULTIPLIERS

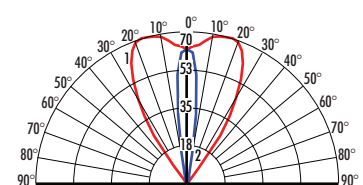
CCT	
5000K	1.00
4000K	1.00
3500K	0.93
3000K	0.93
2700K	0.86

FOOTCANDLE DISTRIBUTION

Height	Beam Diameter (D)	Footcandle (FC)
16.0'	9.5' / 9.5'	2.7
14.0'	8.3' / 8.3'	3.5
10.0'	7.2' / 7.2'	4.8
12.0'	6.0' / 6.0'	6.9
8.0'	4.8' / 4.8'	10.7
6.0'	3.6' / 3.6'	19.1
4.0'	2.4' / 2.4'	42.9
2.0'	1.2' / 1.2'	171.5



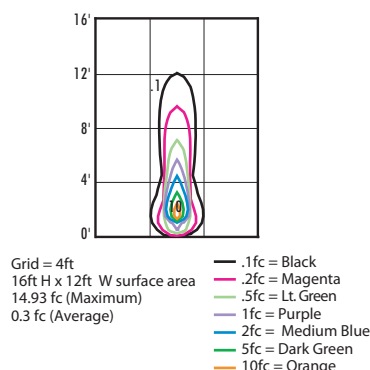
CANDELA TABULATION



Maximum Candela = 191.59 Located At Horizontal Angle = 0, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

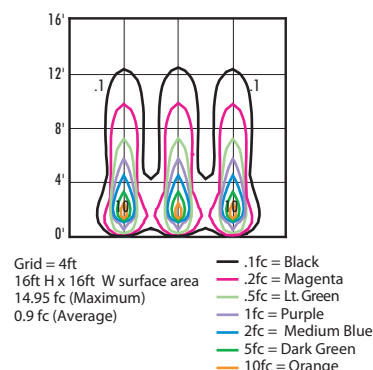
IG14 - ONE FIXTURE

Fixture 1' from wall



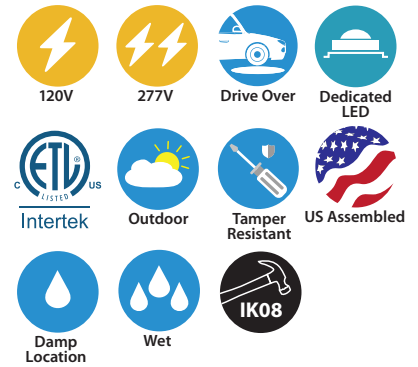
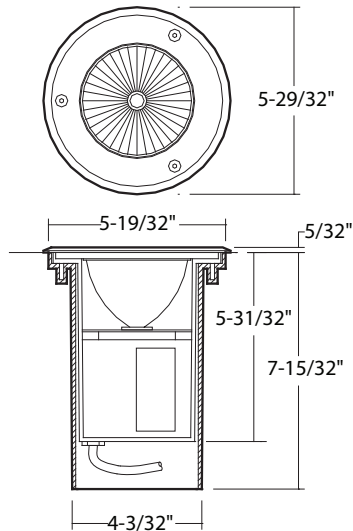
IG14 - THREE FIXTURES

Fixtures 1' from wall, (4' on center)



IG16 - 6" LED IN-GRADE

900LM/1200LM



- IP67 for wet locations and poured concrete
- IK10 rated for drive over
- 120V-277V input option

ORDERING : IG16-L12UE-DUN-T27-FR

IG16

Fixture

Lumens

Optics

Driver

LED

Options

Lumens

900lm (10W)	Blank
1200lm (12W)	-L12

Optics

40° Flood	Blank
2° Pencil Beam	-B02
25° Narrow Flood	-B25
60° Wide Flood	-B60
90° Very Wide Flood	-B90
Wall Wash	-BWW

Driver

120V non-dimming	Blank
120V/277V, 2-Wire ELV, 0-10V dimming	UE-DUN

LED

2700K	-T27
3000K	-T30
3500K	-T35
4000K	Blank
5000K	-T50

Options

None	Blank
Frosted Lens	-FR
Slip Resistant	-SR
Frosted Lens/Slip Resistant	-FR-SR

2023.09.19

SPECIFICATION

Application

Small 6" ingrade luminaire designed for lighting trees, landscaping, soft ground installation, building, and walkways. Easily installs in ground and concrete. Also used for drive over installation.

Outer Housing

Nylon, color: black.

Housing

Constructed from a round one piece high grade die cast aluminum with a powder coat finish. Includes COB LED and reflector, LED driver, and a cable gland with cord. Housing secured to outer housing by two (2) screws. A separate sleeve (by others/customer) may be needed when installing fixture. A junction box (by others/customer) is needed to connect cord to power supply. Fixture is not rated for submersion. Proper drainage must be provided.

Trim

Machined and beveled round stainless steel faceplate. Includes a separate 1/4" thick clear tempered glass lens and a silicone gasket. Secured to housing by four (4) flat head stainless steel tamper resistant screws. Optional Frosted Lens (-FR) and Slip Resistant (-SR) also available.

Electrical

Standard LED Driver (Blank) is 120VAC non-dimming, 50/60Hz, electronic Constant Current, Class 2, Power Factor >0.90. Optional 120V/277V, 2-Wire, ELV, 0-10V dimming LED Driver (UE-DUN) is also available.

Optics

Color Temperature:

Comes standard with 4000K (Blank). 2700K (-T27), 3000K (-T30), 3500K (-T35) and 5000K (-T50) also available.



Beam Spread:

Standard 40° Flood (Blank). Optional 2° Pencil Beam (-B02), 25° Narrow Flood (-B25), 90° Very Wide Flood (-B90), and Wall Wash (-BWW) also available.

Lumen Maintenance:

Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

SPECIFICATION (Continued)

Technical

IK10 rated. Static load (Walk over): 440 Lbs. Vehicle dynamic load (Drive over): 4400 Lbs maximum at less than 9 mph (pneumatic tires). Drive over installation requires proper support of outer housing underground. A separate sleeve (by others/customer) may be needed around trim when installing fixture.

Finish

Round beveled stainless steel trim.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for wet locations (IP67) and poured concrete. IK10 rated. Assembled in USA.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures during operation do not exceed 35°C/95°F. Installations exceeding this temperature will result in reduced LED lamp life.