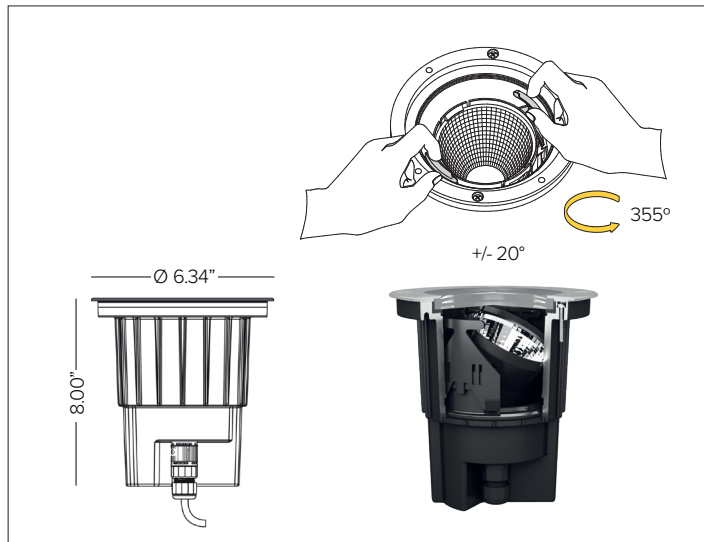


KEPLERO MINI HIGH EFFICACY

Professional Inground LED Fixture



KEPLERO® Mini HE with brushed natural trim and clear lens



CONCEPT

Compact high performance inground for even illumination with maximum efficiency.

MECHANICAL CHARACTERISTICS

Housing	8"H x 6.34"Dia. Housing.
Materials	Anodized marine grade cataphoresis ^A die-cast aluminum heat sink body with PVC installation sleeve. AISI316L stainless steel trim ring with beveled edge with extra clear glass lens.
Finish	● Brushed Natural ● Bronze PVD* ● Black PVD*
	*Physical Vapor Deposition.
Power Connection	Provided with 4ft SJ00W 16-6 cable and DSMT anti-wicking quick disconnect to direct burial brass ingrade j-box (required, sold separately).
Functionality	Adjustable +/-20° on the vertical axis and rotated 355° on the horizontal axis with friction locking mechanism.
Mounting	Flush, semi-flush or raised tube mountings. Installation sleeve for flush or semi-flush mountings includes optional stainless steel 'L' brackets for additional mounting support. Fixture equipped with fastening holes and stainless steel screws for attachment into installation sleeve assembly.
Weight	2.43lbs
Protection	IP68 ^B / IP69K
Impact	IK10
Load	Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.

CERTIFICATIONS

cULus Wet Location Listed.
Tested in accordance with LM-79-08.
Compliant for California installations.
IEC 62471
RoHS3 EU 215/863

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
Wattage	14W
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	80	82	96	2
	3000K	80	83	96	2
	3500K	80	83	95	2
	4000K	80	82	95	2

Ra90 available upon request

OPTIC

Highly reflective metallic polycarbonate optic.

Beam	SP 11°	FL 18°	MWFL 40°
Delivered Lumens			
3000K	1387Lm	1397Lm	1384Lm
4000K	1423Lm	1434Lm	1420Lm

For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.

Efficacy	102Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L92/B10 30,000hrs at max TA +25°C L90/B10 50,000hrs at max TA +25°C
Photobiological Classification	Low risk safety RG1

WARRANTY

5 year limited warranty.
^A Fixture body complete with marine grade cataphoresis suitable for use in marine grade environments. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.
^B Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

KEPLERO MINI HIGH EFFICACY

SPECIFICATION INFORMATION

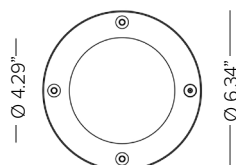
KPLM						/	/	/	
1	2	3	4	5	6	7	8	9	10
Ex: KPLM41HESPL227 / 1E2525 / 1DU2521 / 1DU2530							REQUIRED		OPTIONAL

1 - PRODUCT CODE	2 - DRIVER	3 - TYPE	4 - OPTICS	5 - WATTAGE	6 - KELVIN
KPLM — KEPLERO MINI	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	HE — High Efficacy	SP — SP 11° FL — FL 18° MF — MWFL 40°	L2 — 14W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K
7 - TRIM	8 - INSTALLATION	9 - INSTALLATION ACCESSORIES	10 - OPTICAL ACCESSORIES		
Round Trim Ring See section for details Square Trim Ring See section for details	Flush Mount Sleeve See section for details Raised Tube See section for details Junction Box See section for details	Torx Key See section for details Fixture Removal Tool See section for details Glass Removal Tool See section for details	Holder Ring See section for details Blade of Light Linear Spread Lens See section for details Blade of Light Linear Spread Lens See section for details Anti Glare Honeycomb Louver See section for details Half Moon Anti Glare Shutter See section for details Chromatic Filter See section for details		

KEPLERO MINI HIGH EFFICACY

6 - TRIM (REQUIRED)

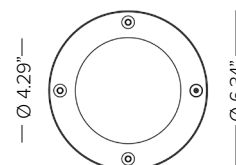
ROUND TRIM RING



Round stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

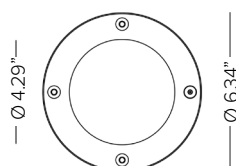
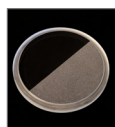
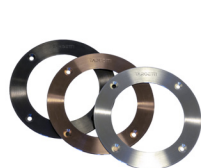
Part No. **1E2525** **1DU2525B** **1DU2525K**



Round stainless steel (AISI316L) decorative ring with anti-slip glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

Part No. **1DU2525A** **1DU2525BA** **1DU2525KA**

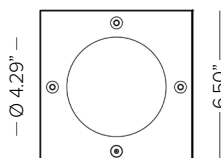


Round stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

Part No. **1DU2525E** **1DU2525BE** **1DU2525KE**

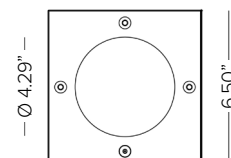
SQUARE TRIM RING



Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

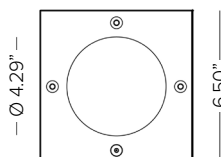
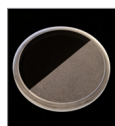
Part No. **1E2526**



Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

Part No. **1DU2526A**



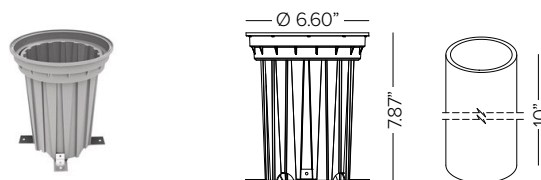
Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

Part No. **1DU2526E**

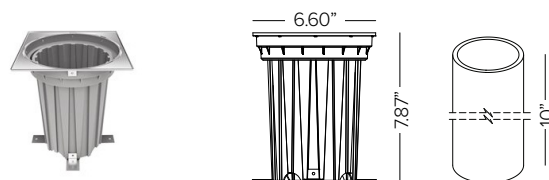
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7 - INSTALLATION (REQUIRED)



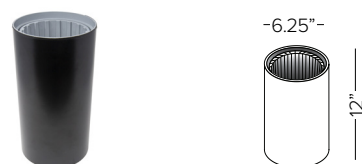
Installation sleeve for concrete pour applications. Grey Nylon casing with PVC installation outer pipe. For flush or semi-flush installations. **Required for use with 1DU2530 by NEC.**

Part No. **1DU2521**



Installation sleeve for concrete pour applications. Grey Nylon casing and stainless steel profile with PVC installation outer pipe. Square ring for flush installation only. **For use with square trim options only. Required for use with 1DU2530 by NEC.**

Part No. **1DU2522**



At grade or raised installation sleeve for turf or ground cover applications. 12"H stainless steel, includes factory pre-installed inner PVC installation sleeve. **To be used with round trim options only. Not suitable for use with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevations at grade to 3" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU434412**



Raised installation sleeve for ground cover (succulents and low level planting) applications. 18"H stainless steel, includes factory pre-installed inner PVC sleeve. **To be used with round trim options. Not suitable with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevation 7" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

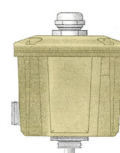
Part No. **1DU434418**



Raised installation sleeve for landscape applications. 36"H stainless steel, includes factory pre-installed inner PVC sleeve. **To be used with round trim options. Not suitable with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevation 21" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU4344**



Direct burial brass ingrade j-box. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adapters and (2) 1/2" NPT plugs. **(REQUIRED by NEC).**

Part No. **1DU2530**

8 - INSTALLATION (OPTIONAL)



Fixture metal maintenance removal handle. Helpful one per 10 fixtures.

Part No. **1E2524**



Anti-vandal torx head. Helpful one per 5 fixtures.

Part No. **1E2495**



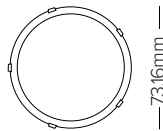
Glass suction removal tool. Helpful one per 20 fixtures.

Part No. **1E0388**

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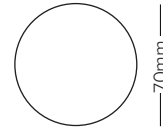
9 - OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE OPTICAL FILTER OR LOUVER ACCESSORY PER FIXTURE



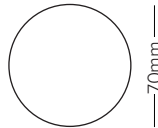
Transparent polycarbonate holder ring for the accessories. **Required for use of all filters and glare grid.**

Part No. **1T3727**



'Blade of Light' linear spread lens. Parallel ribbed glass.

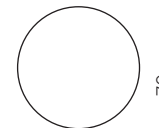
Part No. **1T1708**



Anti-glare honeycomb louver with lacquered metal structure.

Finish ● Deep Black

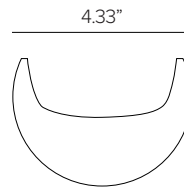
Part No. **1T1711**



Tone filter. Glass filter to vary the color temperature of light.

Finish	Peach Tone	Cold Tone	Gold Tone
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Part No.	1T1759	1T1777	1T1786
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Integral half moon anti glare shutter. **Can be used as one per fixture with a filter or louver, not considered as part of the maximum optical accessories.**

Finish ● Deep Black

Part No. **1E2523**

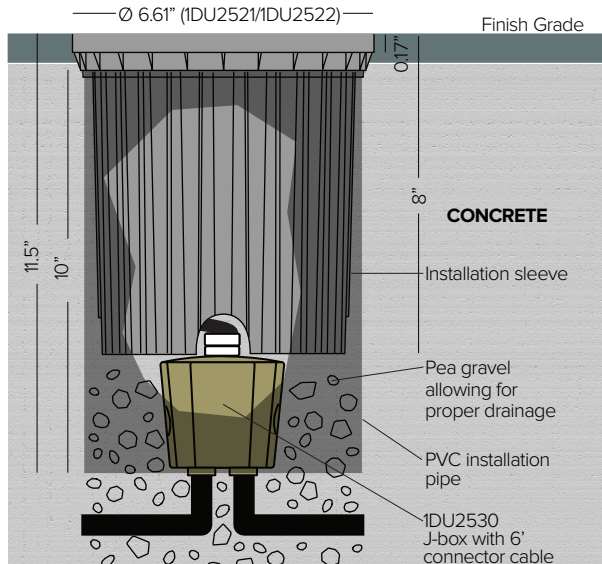
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INSTALLATION DIAGRAM

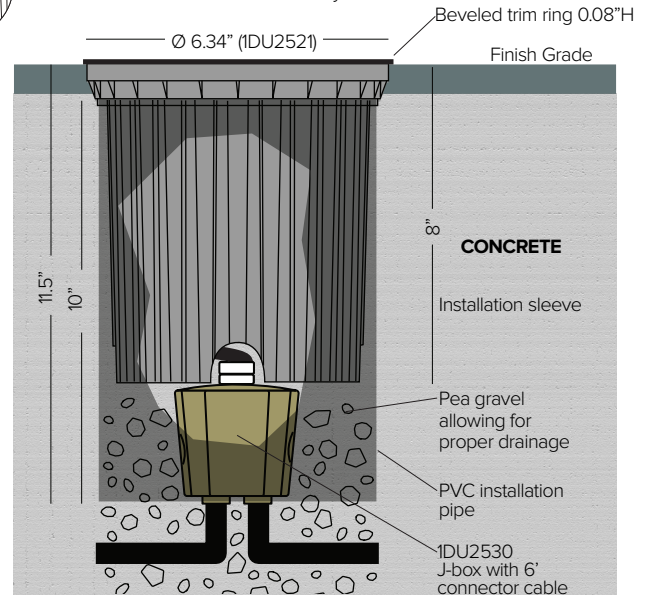
CONCRETE POUR APPLICATION



Flush Mount Sleeve Assembly
1DU2521 and 1DU2522 Sleeves



Semi-Flush Mount Sleeve Assembly
1DU2521 Sleeve Only



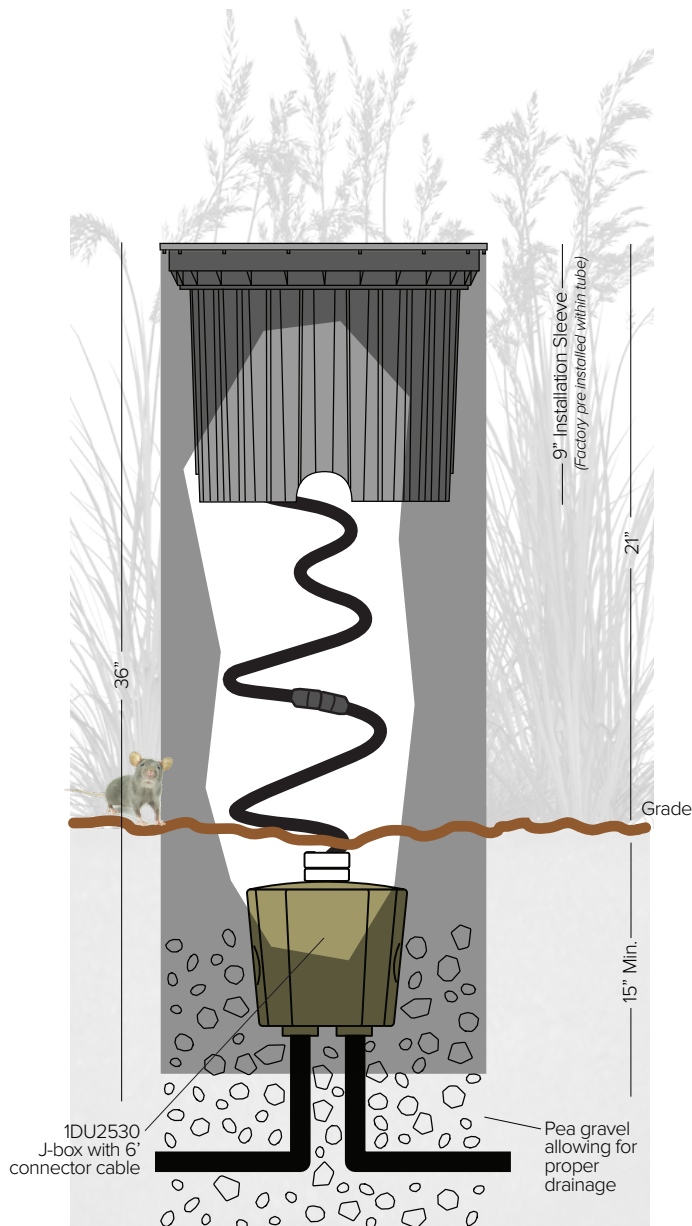
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INSTALLATION DIAGRAM

LANDSCAPE APPLICATION

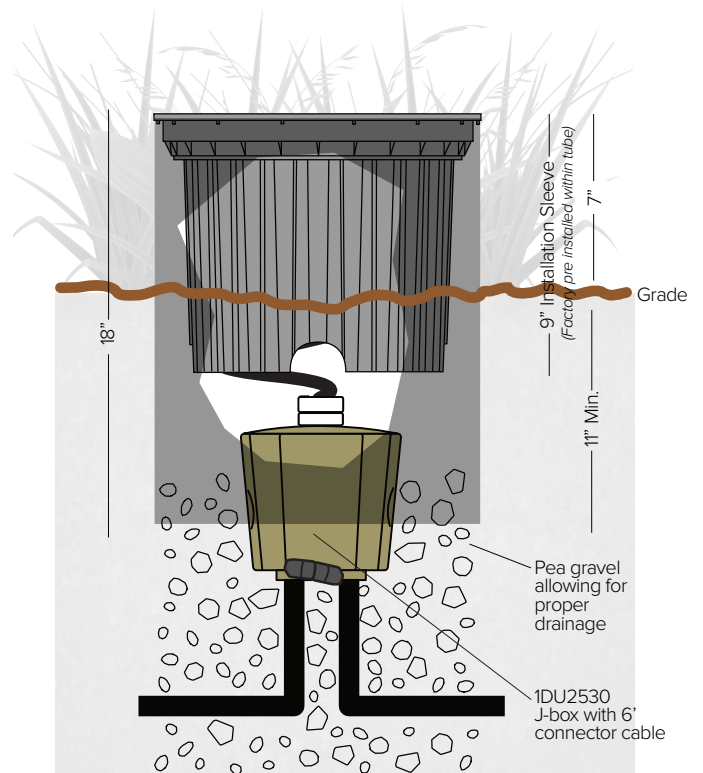
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Landscape Installation
1DU4344 with Round Trim ONLY



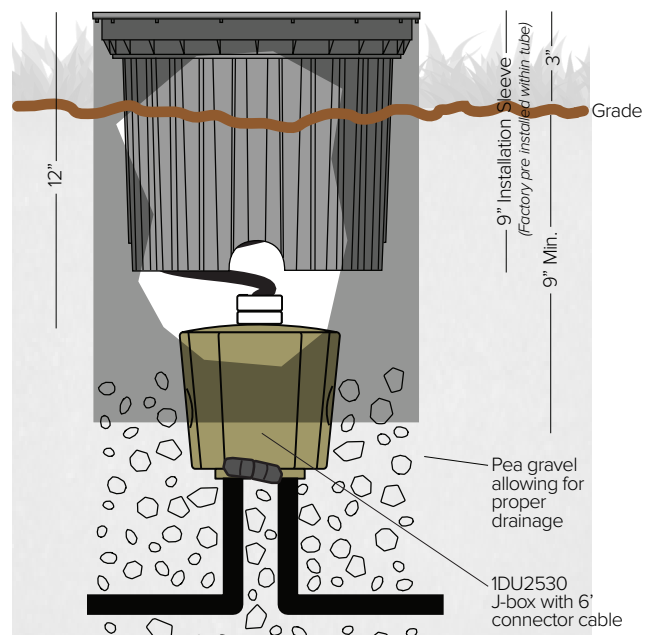
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Ground Level Installation
1DU434418 with Round Trim ONLY



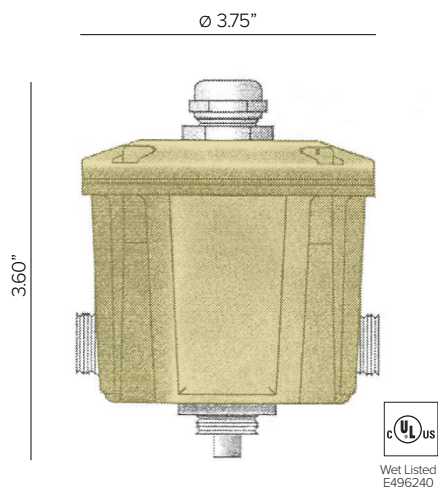
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Turf Installation
1DU434412 with Round Trim ONLY



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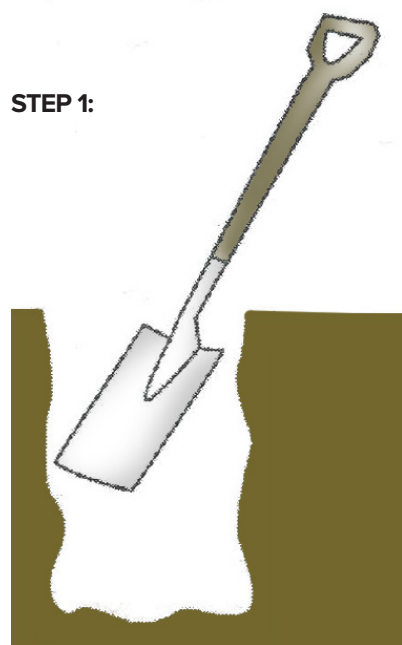
INSTALLATION DIAGRAM - 1DU2530 J-Box



Brass junction box is supplied with the following components:

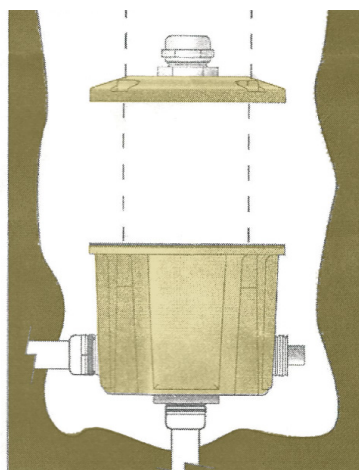
- (4) $\frac{3}{4}"$ side/bottom NPT holes
- (4) $\frac{1}{2}"$ reduction NPT adapters
- (2) $\frac{1}{2}"$ cap plugs

NOTE: Box fill size = 15.94 IN³



Dig a hole large enough to accommodate the junction box.

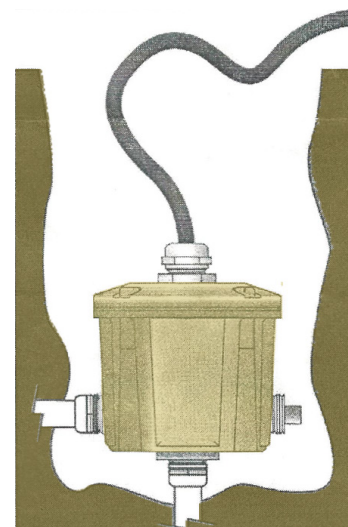
STEP 2:



Connect brass junction box to conduit system. Seal conduit entries inside junction box with a good grade RTV sealant per sealant manufacturer's instructions.

Note: Drainage must be in place below junction box.

STEP 3:

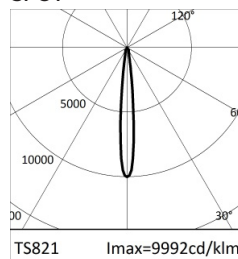


Seal threads. Tighten locking screw on bottom of cover. Connect all wires observing polarity (i.e. green-to-ground, white-to-common, and black-to-voltage). Provided with $\frac{1}{2}"$ strain relief.

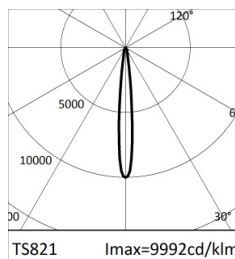
KEPLERO MINI HIGH EFFICACY

PHOTOMETRY

SPOT



3000K		H(m)	D(m)	Emax(lx)		
Ra84			11°			
Fixture Power	14W	1	0.20	17736		
Source Flux	1775lm	2	0.39	4434		
Fixture Flux	1387lm	3	0.59	1971		
Efficacy	103lm/W	4	0.79	1109		
TS821	Imax=9992cd/klm	Imax	17736cd	5	0.99	709



4000K		H(m)	D(m)	Emax(lx)		
Ra84			11°			
Fixture Power	14W	1	0.20	18196		
Source Flux	1821lm	2	0.39	4549		
Fixture Flux	1423lm	3	0.59	2022		
Efficacy	105lm/W	4	0.79	1137		
TS821	Imax=9992cd/klm	Imax	18196cd	5	0.99	728

FLOOD



3000K		H(m)	D(m)	Emax(lx)		
Ra84			18°			
Fixture Power	14W	1	0.31	7969		
Source Flux	1775lm	2	0.63	1992		
Fixture Flux	1397lm	3	0.94	885		
Efficacy	104lm/W	4	1.25	498		
TS822	Imax=4490cd/klm	Imax	7969cd	5	1.57	319



4000K		H(m)	D(m)	Emax(lx)		
Ra84			18°			
Fixture Power	14W	1	0.31	8175		
Source Flux	1821lm	2	0.63	2044		
Fixture Flux	1434lm	3	0.94	908		
Efficacy	106lm/W	4	1.25	511		
TS822	Imax=4490cd/klm	Imax	8175cd	5	1.57	327

MEDIUM WIDE FLOOD



3000K		H(m)	D(m)	Emax(lx)		
Ra84			40°			
Fixture Power	14W	1	0.73	2861		
Source Flux	1775lm	2	1.47	715		
Fixture Flux	1384lm	3	2.20	318		
Efficacy	102lm/W	4	2.93	179		
TS823	Imax=1624cd/klm	Imax	2882cd	5	3.67	114



4000K		H(m)	D(m)	Emax(lx)		
Ra84			40°			
Fixture Power	14W	1	0.73	2935		
Source Flux	1821lm	2	1.47	734		
Fixture Flux	1420lm	3	2.20	326		
Efficacy	105lm/W	4	2.93	183		
TS823	Imax=1624cd/klm	Imax	2957cd	5	3.67	117