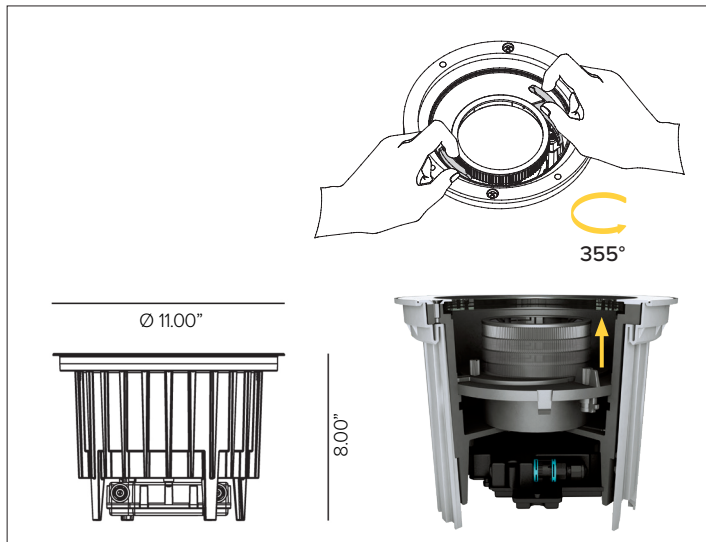


KEPLERO ZOOM

Professional Inground LED Fixture



KEPLERO® Zoom with brushed natural trim and clear lens.



CONCEPT

High output professional fully adjustable landscape inground fixture. As landscaping matures and changes overtime the zoom optic can be manually adjusted to adapt with the ever changing landscape conditions.

MECHANICAL CHARACTERISTICS

Housing	8"H x 11"Dia. Housing.
Materials	Anodized marine grade cathodoporesis ^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 DSM&T anti-wicking quick disconnect to direct burial brass ingrade j-box (required, sold separately).
Functionality	Light beam adjusted horizontally 0.79" from center to change adjacent illumination pattern by 20° narrow, and rotated 355° on the horizontal plane with integral locking system.
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	11.0lbs
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	Integrated 4/1 smart driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase).
Wattage	36W
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

Single LED COB

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

OPTIC

Zoom optical system that manually slides and locks on vertical axis according to four different fixed beam positions (SP / FL / MFL / WFL).

Beam	SP 19°	FL 26°	MWFL 43°	WFL 64°
Delivered Lumens	3000K 1666Lm	2205Lm	2756Lm	2889Lm
	4000K 1708Lm	2261Lm	2826Lm	2962Lm

Efficacy	82Lm/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 cathodoporesis 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 ZOOM

SPECIFICATION INFORMATION

KPL					/		/		
1	2	3	4	5	6		7	8	9
Ex: KPL41ZML227 / 1DU2525 / 1DU2521 / 1DU2530					REQUIRED		OPTIONAL		

1 - PRODUCT CODE	2 - DRIVER	3 - TYPE	4 - WATTAGE	5 - KELVIN
KPL — KEPLERO	41 — 4/1 Smart Driver <i>(Non-Dimming / 0-10V / Reverse Phase / Forward Phase)</i>	ZM — Zoom	L2 — 36W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K

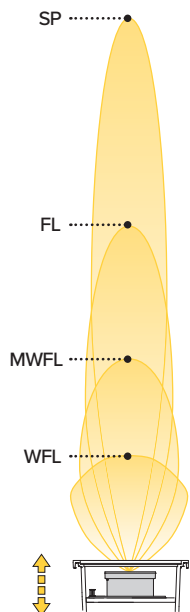
6 - TRIM	7 - INSTALLATION	8 - INSTALLATION ACCESSORIES	9 - OPTICAL ACCESSORIES
Round Trim Ring See section for details	Flush Mount Sleeve See section for details Raised Tube See section for details Junction Box See section for details	Torx Key See section for details Fixture Removal Tool See section for details Glass Removal Tool See section for details	Holder Ring See section for details Anti Glare Honeycomb Louver See section for details Half Moon Anti Glare Shutter See section for details Chromatic Filter See section for details



For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.



OPTICAL SYSTEM



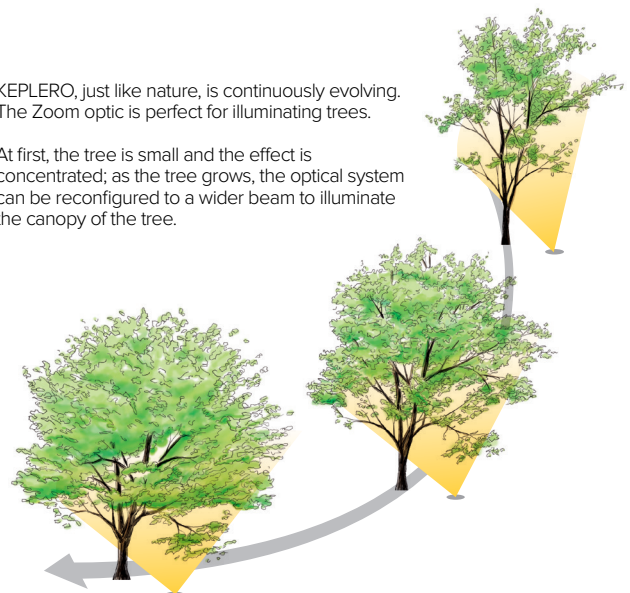
Zoom is a patented optical system that allows variation of the beam opening by manually moving the optical chamber.

Three simple movements - extraction, translation and rotation - it is possible to vary the beam opening from SP to WFL. Graduated rings help to recognize the adjustment allowing for easy repetition.



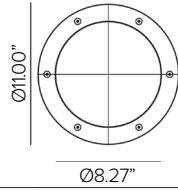
KEPLERO, just like nature, is continuously evolving. The Zoom optic is perfect for illuminating trees.

At first, the tree is small and the effect is concentrated; as the tree grows, the optical system can be reconfigured to a wider beam to illuminate the canopy of the tree.



KEPLERO ZOOM

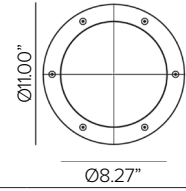
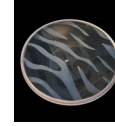
6 - TRIM (REQUIRED)



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

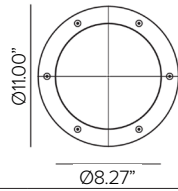
Part No. **1DU2325** **1DU2325B** **1DU2325K**



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. **1DU2325A** **1DU2325BA** **1DU2325KA**



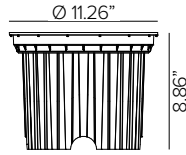
Round stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish Brushed Natural Bronze PVD Black PVD

Part No. **1DU2325E** **1DU2325BE** **1DU2325KE**

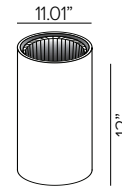
KEPLERO ZOOM

7 - INSTALLATION (REQUIRED)



Installation sleeve for concrete pour applications. Grey Nylon 9" sleeve with 4.77" aluminum extension sleeve. Complete with dedicated cover cap for installations in concrete. Round ring for flush or semi-flush installations.

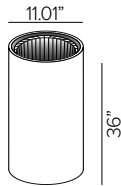
Part No. **1DU2394**



At grade or raised installation sleeve for turf or ground cover applications. 12"H stainless steel, includes factory pre-installed inner PVC installation sleeve. **Not suitable for use with 1DU2394.** (Field cuttable. Used for fixture elevations at grade to 3" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

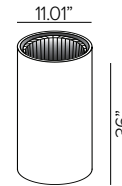
Part No. **1DU434312**



Raised installation sleeve for ground cover (succulents and low level planting) applications. 18"H stainless steel, includes factory pre-installed inner PVC sleeve. **Not suitable with 1DU2394.** (Field cuttable. Used for fixture elevation 7" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU434318**



Raised installation sleeve for landscape applications. 36"H stainless steel, includes factory pre-installed inner PVC sleeve. **Not suitable with 1DU2394.** (Field cuttable. Used for fixture elevation 7" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU4343**



Direct burial brass in-grade 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**

9 - INSTALLATION ACCESSORIES (OPTIONAL)



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

Part No. **1E2496**



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

Part No. **1E2495**



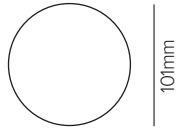
Glass suction removal tool. Helpful one per 20 fixtures.

Part No. **1E0388**

KEPLERO ZOOM

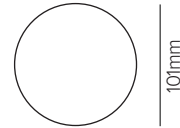
8 - OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO OPTICAL FILTERS OR LOUVER ACCESSORY PER FIXTURE



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

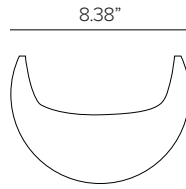
Part No. **1T1696**



Anti-glare honeycomb louver with lacquered metal structure.

Finish ● Deep Black

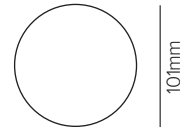
Part No. **1T1699**



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. **1E2402**



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

Finish Cold Tone Gold Tone Peach Tone

Part No. **1T1781 1T1790 1T1766**

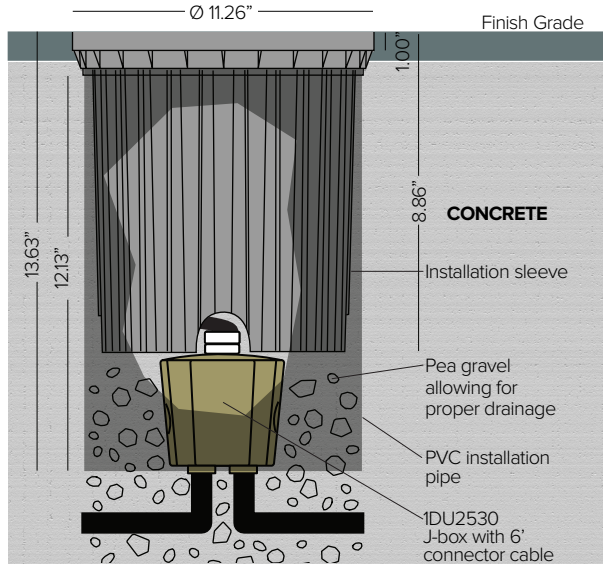
KEPLERO ZOOM

INSTALLATION DIAGRAM

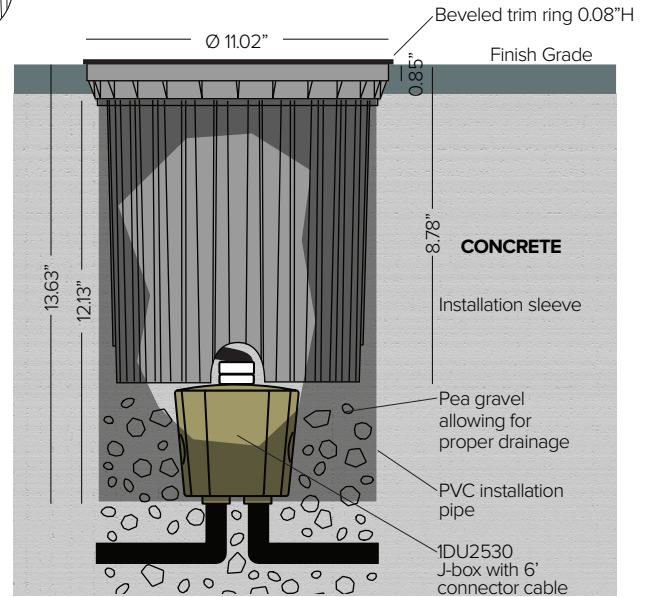
CONCRETE POUR APPLICATION



Flush Mount Sleeve Assembly
1DU2394 Sleeve



Semi-Flush Mount Sleeve Assembly
1DU2394 Sleeve



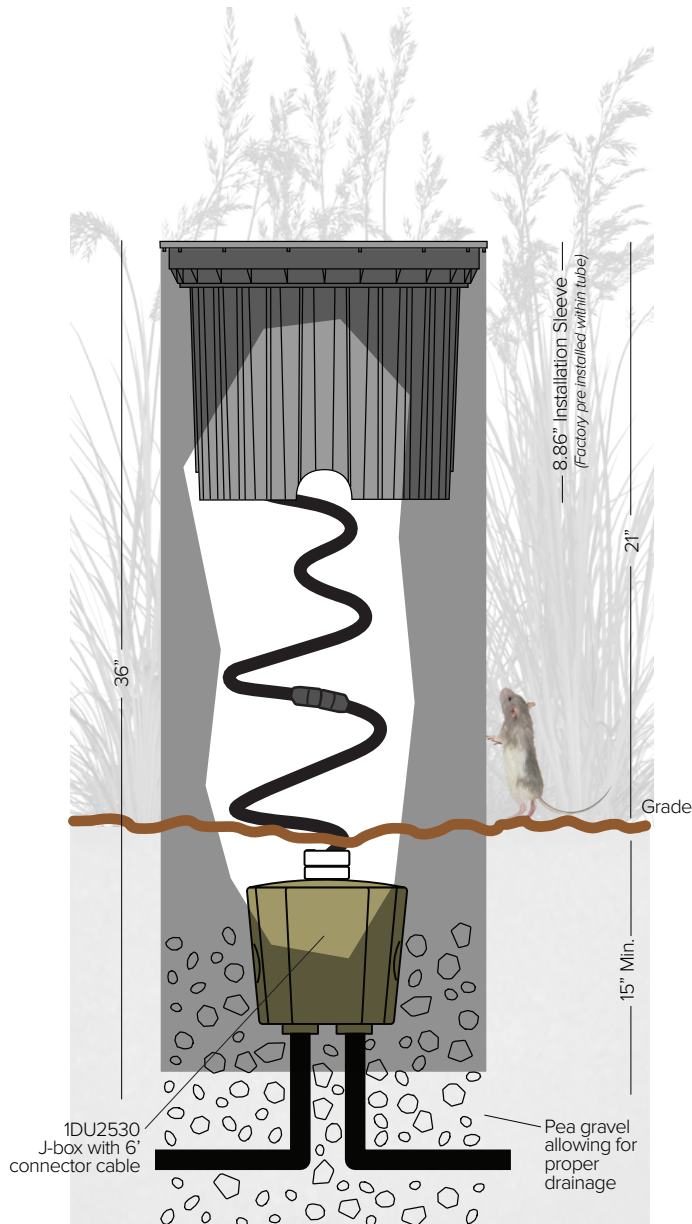
KEPLERO ZOOM

INSTALLATION DIAGRAM

LANDSCAPE APPLICATION

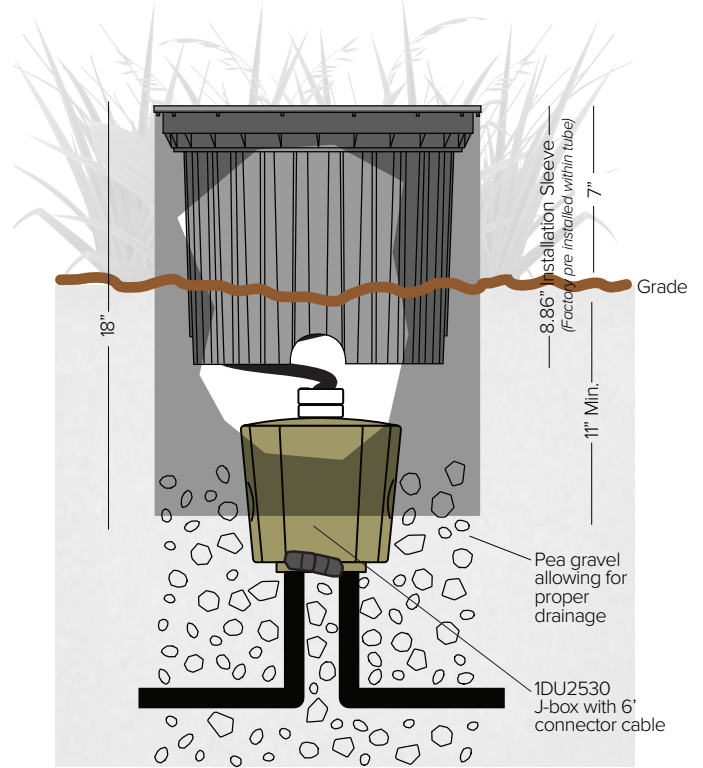
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Landscape Installation
1DU4343



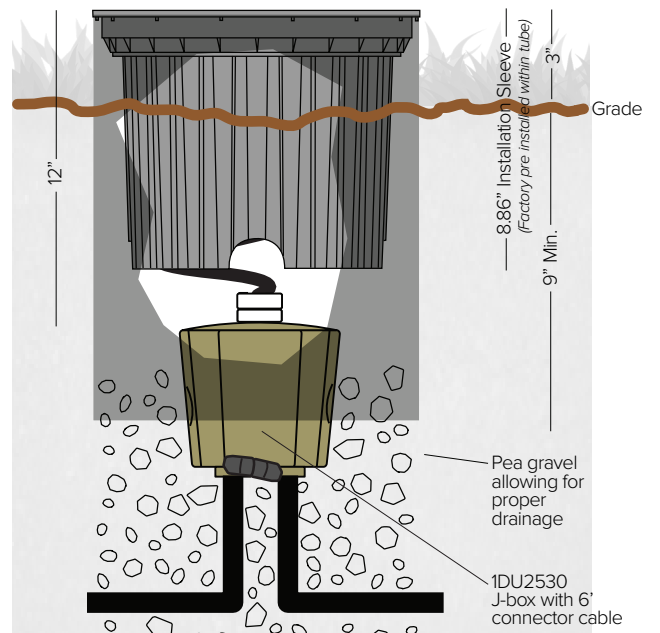
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Ground Level Installation
1DU434318



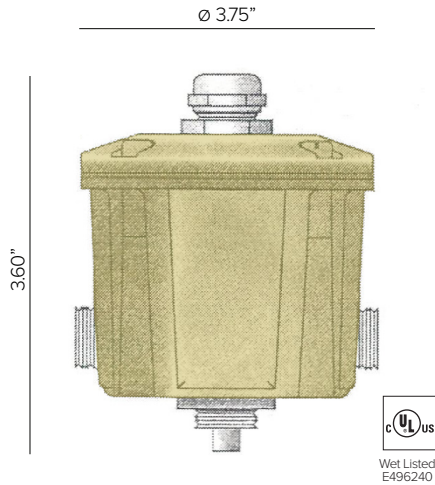
RAISED TUBE INSTALLATION ASSEMBLY

Recommended for Turf Installation
1DU434312



KEPLERO ZOOM

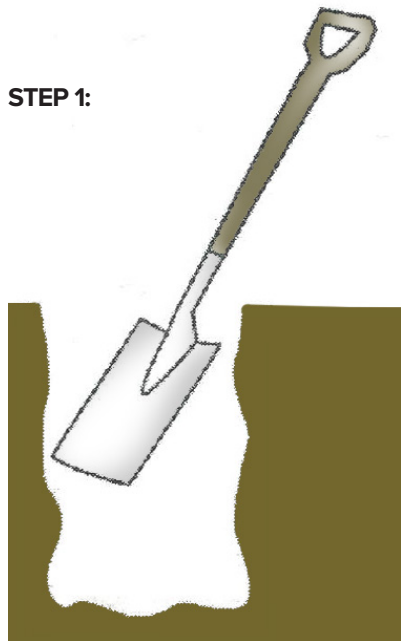
INSTALLATION DIAGRAM - 1DU2530 J-Box



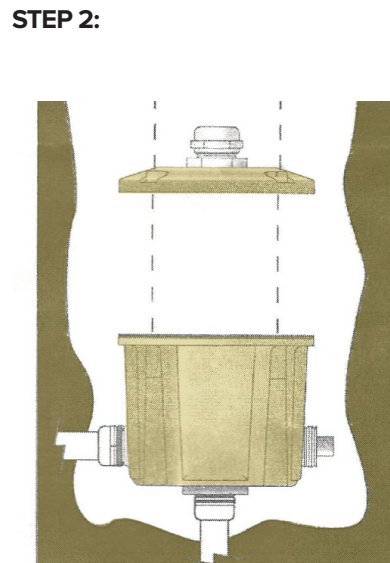
Brass junction box is supplied with the following components:

- (4) 3/4" side/bottom NPT holes
- (4) 1/2" reduction NPT adapters
- (2) 1/2" cap plugs

NOTE: Box fill size = 15.94 IN³

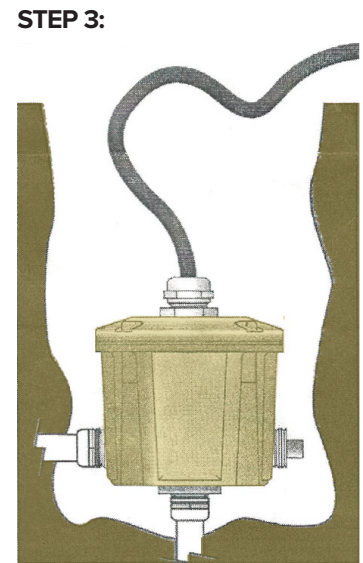


Dig a hole large enough to accommodate the junction box.



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

Note: Drainage must be in place below junction box.



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 1/2" strain relief.

KEPLERO ZOOM

PHOTOMETRY

SPOT

3000K		H(m)	D(m)	Emax(lx)		
Ra84			19°			
Fixture Power	36W	1	0.34	11460		
Source Flux	4550lm	2	0.67	2865		
Fixture Flux	1666lm	3	1.01	1273		
Efficacy	47lm/W	4	1.34	716		
TS782	I _{max} =2519cd/klm	I _{max}	11460cd	5	1.68	458

4000K		H(m)	D(m)	Emax(lx)		
Ra84			19°			
Fixture Power	36W	1	0.34	11749		
Source Flux	4665lm	2	0.67	2937		
Fixture Flux	1708lm	3	1.01	1305		
Efficacy	48lm/W	4	1.34	734		
TS782	I _{max} =2519cd/klm	I _{max}	11749cd	5	1.68	470

FLOOD

3000K		H(m)	D(m)	Emax(lx)		
Ra84			26°			
Fixture Power	36W	1	0.46	7939		
Source Flux	4550lm	2	0.93	1985		
Fixture Flux	2205lm	3	1.39	882		
Efficacy	62lm/W	4	1.85	496		
TS781	I _{max} =1745cd/klm	I _{max}	7939cd	5	2.31	318

4000K		H(m)	D(m)	Emax(lx)		
Ra84			26°			
Fixture Power	36W	1	0.46	8139		
Source Flux	4665lm	2	0.93	2035		
Fixture Flux	2261lm	3	1.39	904		
Efficacy	63lm/W	4	1.85	509		
TS781	I _{max} =1745cd/klm	I _{max}	8139cd	5	2.31	326

MEDIUM WIDE FLOOD

3000K		H(m)	D(m)	Emax(lx)		
Ra84			43°			
Fixture Power	36W	1	0.79	4579		
Source Flux	4550lm	2	1.57	1145		
Fixture Flux	2756lm	3	2.36	509		
Efficacy	77lm/W	4	3.14	286		
TS780	I _{max} =1006cd/klm	I _{max}	4579cd	5	3.93	183

4000K		H(m)	D(m)	Emax(lx)		
Ra84			43°			
Fixture Power	36W	1	0.79	4695		
Source Flux	4665lm	2	1.57	1174		
Fixture Flux	2826lm	3	2.36	522		
Efficacy	79lm/W	4	3.14	293		
TS780	I _{max} =1006cd/klm	I _{max}	4695cd	5	3.93	188

WIDE FLOOD

3000K		H(m)	D(m)	Emax(lx)		
Ra84			64°			
Fixture Power	36W	1	1.25	2724		
Source Flux	4550lm	2	2.50	681		
Fixture Flux	2889lm	3	3.75	303		
Efficacy	81lm/W	4	5.00	170		
TS779	I _{max} =599cd/klm	I _{max}	2724cd	5	6.25	109

4000K		H(m)	D(m)	Emax(lx)		
Ra84			64°			
Fixture Power	36W	1	1.25	2793		
Source Flux	4665lm	2	2.50	698		
Fixture Flux	2962lm	3	3.75	310		
Efficacy	83lm/W	4	5.00	175		
TS779	I _{max} =599cd/klm	I _{max}	2793cd	5	6.25	112