

TARGETTI

KEPLERO ZOOM RGBW Flexibility Professional Inground LED Fixture

Concept: Professional addressable DMX 512 controlled RGBW LED fully adjustable inground recessed LED fixture.

Housing: 8" tall x 11" diameter die-cast aluminum housing. Cast aluminum, powder coated integrated power supply box with integrated IP68 connector ports.

Materials: Anodized powder coated black die-cast aluminum heat sink. PVC installation sleeve and stainless steel (AISI316L) trim ring with extra clear glass (anti-slip glass available). ^ABody completed 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.

Trim: Stainless steel (AISI316L) ultra flat round decorative ring, with straight edge in brushed natural, bronze or black finishes. Features tamper-proof Torx screws.

Optic: Zoom optical system which slides and locks on vertical axis according to four different positions to provide four different beam spreads; 19°, 26°, 42° and 64° beam spreads. Light beam can be adjusted horizontally 0.79" from center to change adjacent illumination pattern by 20° narrow and 359° on the horizontal plane with integral locking system.

Mounting: Flush and semi-flush installation sleeves with stainless steel extension sleeve or optional raised installation tube for landscape. Fixture includes screw down holes and stainless steel screws for attachment to installation sleeve. Includes optional stainless steel L brackets to support mounting, installation sleeve required for flush or semi-flush mounting (sold separately).

Driver: Universal voltage integrated IP68 electronic driver.

Installation: Fixture flush mount installation includes 9" tall x 11" diameter sleeve, extension sleeve for wire slack and accessibility. Optional Raised landscape tubes in 3 sizes for Turf, Ground Cover and Shrub installations. 4ft 6-pole multi conductor cable with resin filled IP68 connector to prevent water wicking issues even with cut cable and 15ft DMX Direct Burial Lead cable and fixture to fixture Jumpers with IP68 connectors with gold plated pin and socket contacts for improved long term data transmission available in varied lengths to be specified and ordered separately.

Wattage: Max 58W with full color operation.

Color Temperature: Red 630nm, Green 530nm, Blue 470nm, 4000K.

Lumen Maintenance (L70): 50,000hrs

Calculation for LED fixtures are based on measurements that comply with IES LM-80.

Voltage: Universal Voltage 120-277V AC 50/60Hz

IK Rating: IK10

IP Rating: IP67*, IP68 Tested**

Load Rating: Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.

Certifications: cULus Wet Listed E477426

Tested in accordance with LM-79-08

Energy efficient for California installations.

Warranty: 5 year limited warranty

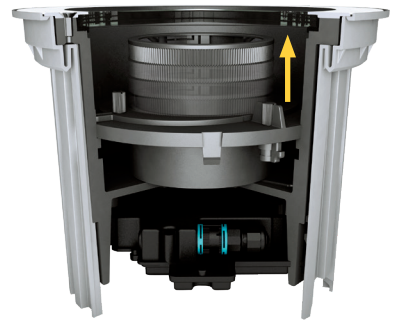
* Up to 1 METER DEPTH of water for up to a maximum of 30 MINUTES

** Not suitable for submersible installations

^ANot to be in direct contact with salt for extended periods of time or used with corrosive agents.



KEPLERO[®] Zoom RGBW with Clear Lens



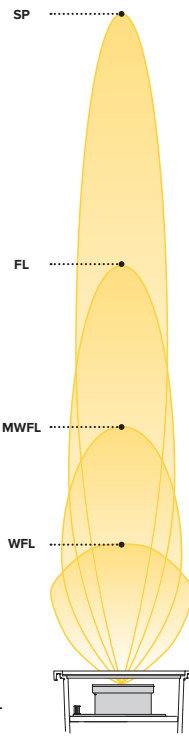
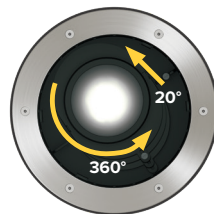
Delivered Lumens: RGBW Full Color

Spot 19° = 826Lm

Flood 26° = 1082Lm

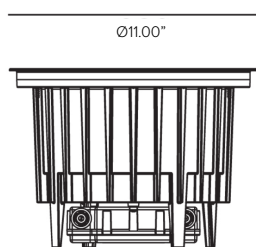
Medium Wide Flood 42° = 1359Lm

Wide Flood 64° = 1402Lm

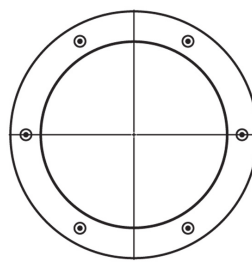


PRODUCT CODE	TYPE	WATTAGE	COLOR TEMP	TRIM & MOUNTING	CONNECTION
KPL — KEPLERO	ZM — Zoom	L1 — 58W	RGBWE2 — Red, Green, Blue & 4000K White	Required (See Pg 2)	Required (See Pg 3)

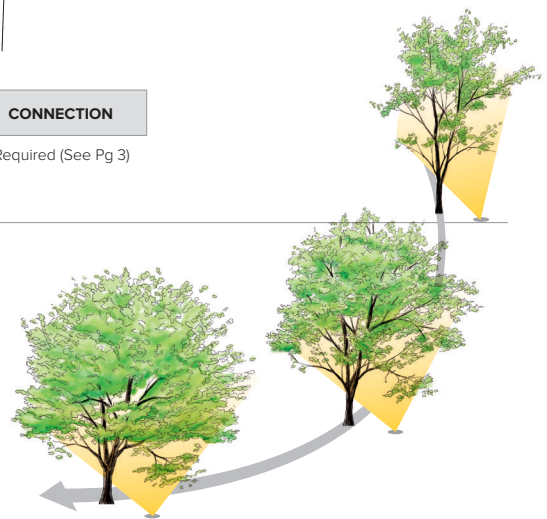
Views



8.00"






Ø8.27"



TARGETTI

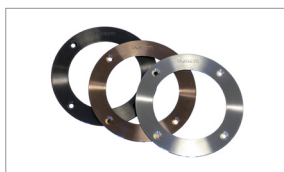
KEPLERO ZOOM RGBW

TRIM RING (REQUIRED) - CHOOSE 1			
Round Trim Ring (Available in Brushed Natural, Bronze, and Black PVD finishes)			
			Description
1DU2325	1DU2325B	1DU2325K	Round stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.
1DU2325A	1DU2325BA	1DU2325KA	Round stainless steel (AISI316L) decorative ring with anti-slip glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.
1DU2325E	1DU2325BE	1DU2325KE	Round stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

INSTALLATION SLEEVE (REQUIRED) - CHOOSE 1	
1DU2394	Installation sleeve for concrete pour applications. Grey Nylon 9" casing with 4.5" aluminum extension sleeve. Complete with dedicated cover cap for installations in concrete. Round ring for flush or semi-flush installations.
1DU4343	Raised installation sleeve for landscape applications. 36"H stainless steel painted deep black finish, includes 9" inner sleeve. (Field cuttable. Used for fixture elevation 21" above ground). Not suitable with 1DU2394.
1DU434318	Raised installation sleeve for ground cover (succulents and low level planting) applications. 18"H stainless steel painted deep black finish, includes 9" inner sleeve. (Field cuttable. Used for fixture elevation 3" above ground). Not suitable with 1DU2394.
1DU434312	At grade or raised installation sleeve for turf or ground cover applications. Raised installation sleeve for turf applications. 12"H stainless steel painted deep black finish, includes 9" inner sleeve. (Field cuttable. Used for fixture elevations at grade to 3" above grade). Not suitable with 1DU2394.

INSTALLATION ACCESSORIES:	
1DU2530	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" adaptors and (2) 1/2" NPT plugs. (REQUIRED)
1E2495	Anti-vandal torx head. Suggested one per 5 fixture.
1E2496	Fixture metal maintenance removal handle. Helpful one per 10 fixtures.
1E0388	Glass suction removal tool. Helpful one per 20 fixtures.

OPTICAL ACCESSORIES:	
Maximum of one optical filter or louver accessory per fixture.	
1T1696	Parallel ribbed glass light blade filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. Diameter 3.98".
1T1699	Anti-glare grid. Black lacquered metal honeycomb structure. Diameter 3.98".
1E2402	Half Moon Anti glare shutter. Black finish. Can be used as one per fixture with a filter or louver, not considered as part of the maximum optical accessories.



Trim Ring



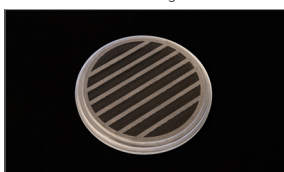
1DU2394



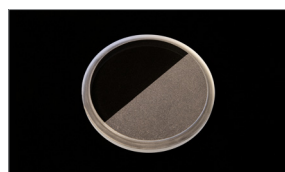
1E2496



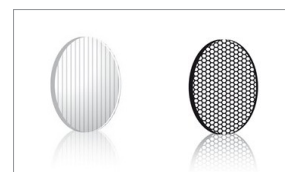
1E0388



Anti-Slip Glass

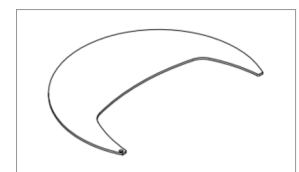


Half Frosted Glass

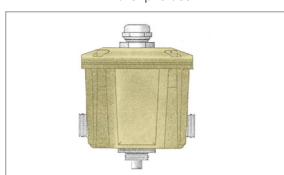


1T1696

1T1699



1E2402



1DU2530

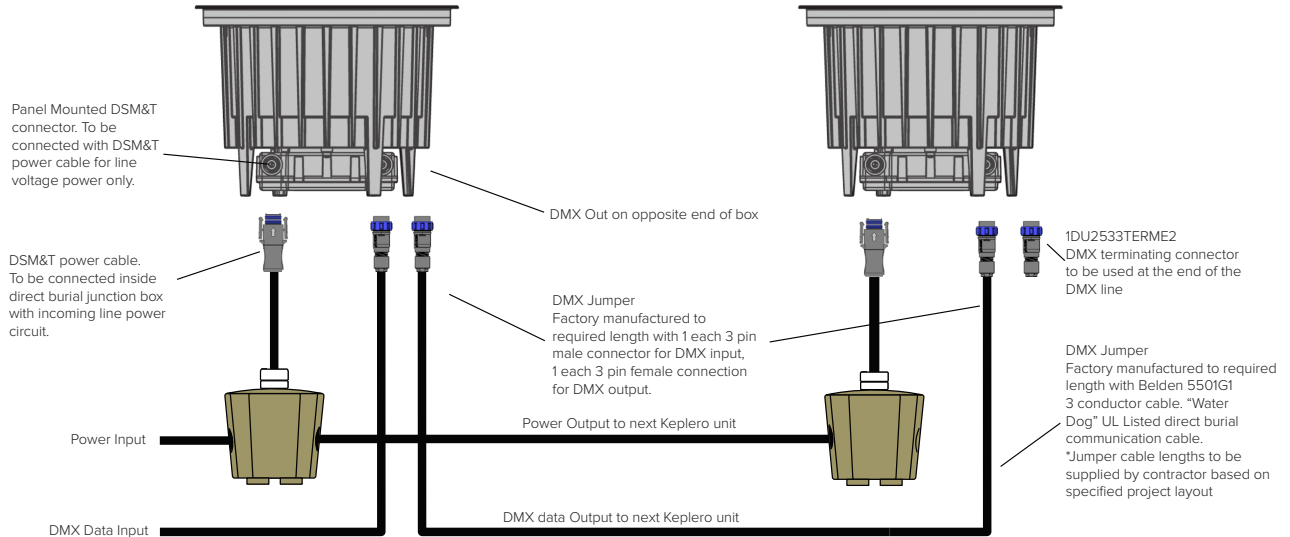


1E2495

TARGETTI

KEPLERO ZOOM RGBW

RGBW Wiring Diagram



CONNECTION TERMINAL (REQUIRED)	
1DU2533TERME2	DMX IP68 End Terminal 2"L x 0.75" dia. male gold plated 3-pin connector terminal. Required for last fixture in run only.
LEAD CABLES (REQUIRED)	
1DU2533LEAD-20E2¹	20ft DMX data direct burial cable for fixture to controller lead wire connection with IP68 female 3-pin connector (DMX out) bare wire at opposite end for DMX in controller connection.
1DU2533LEAD-30E2¹	30ft DMX data direct burial cable for fixture to controller lead wire connection with IP68 female 3-pin connector (DMX out) bare wire at opposite end for DMX in controller connection.
1DU2533LEAD-40E2¹	40ft DMX data direct burial cable for fixture to controller lead wire connection with IP68 female 3-pin connector (DMX out) bare wire at opposite end for DMX in controller connection.
1DU2533LEAD-50E2¹	50ft DMX data direct burial cable for fixture to controller lead wire connection with IP68 female 3-pin connector (DMX out) bare wire at opposite end for DMX in controller connection.
¹ Consult factory for additional lengths.	

JUMPER CONNECTION CABLE (REQUIRED WITH USE OF MULTIPLE FIXTURES)	
1DU2533-10E2¹	10ft data direct burial cable for fixture to fixture connection with IP68 male 3-pin connector (DMX In) and IP68 female 3-pin connector (DMX out).
1DU2533-20E2¹	20ft data direct burial cable for fixture to fixture connection with IP68 male 3-pin connector (DMX In) and IP68 female 3-pin connector (DMX out).
1DU2533-30E2¹	30ft data direct burial cable for fixture to fixture connection with IP68 male 3-pin connector (DMX In) and IP68 female 3-pin connector (DMX out).
1DU2533-40E2¹	40ft data direct burial cable for fixture to fixture connection with IP68 male 3-pin connector (DMX In) and IP68 female 3-pin connector (DMX out).
1DU2533-50E2¹	50ft data direct burial cable for fixture to fixture connection with IP68 male 3-pin connector (DMX In) and IP68 female 3-pin connector (DMX out).
¹ Consult factory for additional lengths.	

Controller:

Part No.	Type	Application	Voltage	Listing	Dimensions	Channels	Zones	Scenes
TGDMXSLESAU9	Stand-alone DMX 1/2 Universe Programmable Controller with Easy to Use Software Interface	Indoor Only	5.5V DC	ETL, UL	5.3"W x 5.5"H x 1.9"D	256	1	20
TGDMXSLESAU11	Nicolaudio Slesia smart DMX interface, 2 DMX 512 universes, intuitive backlit keyboard programmable controller with easy to use software interface.	Indoor	5VDC 120V AC (Plug in power supply included)	ETL	6.3" x 3.6" x 1.8"	1024	5	99
TGDMXSTICKDE3B	Nicolaudio intelligent wall control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. Black finish.	Indoor	6-7V DC 120V AC (Plug in power supply included)	ETL	5.8" x 4.2" x 0.5"	1024	10	500
TGDMXSTICKDE3W	Nicolaudio intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. White finish.	Indoor	6-7V DC 120V AC (Plug in power supply included)	ETL	5.8" x 4.2" x 0.5"	1024	10	500



TGDMXSLESAU9



TGDMXSLESAU11



TGDMXSTICKDE3

CONTROL SYSTEM (OPTIONAL)

1E2767	USB-RDM Programmer code. DMX-RDM (Remote Device Management) address planner. Used with the "RDM Targetti" software that can be downloaded for free from the Targetti USA website . To be used with all RGBW products. The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
---------------	---



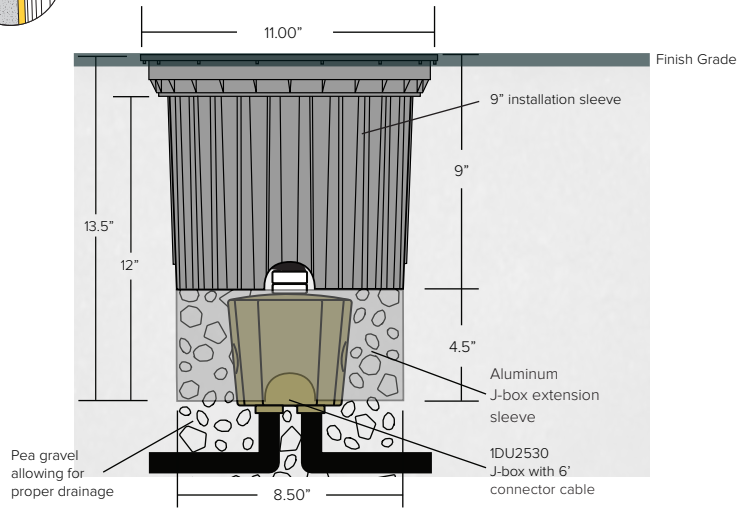
1E2767

INSTALLATION DIAGRAM - Concrete Pour Applications



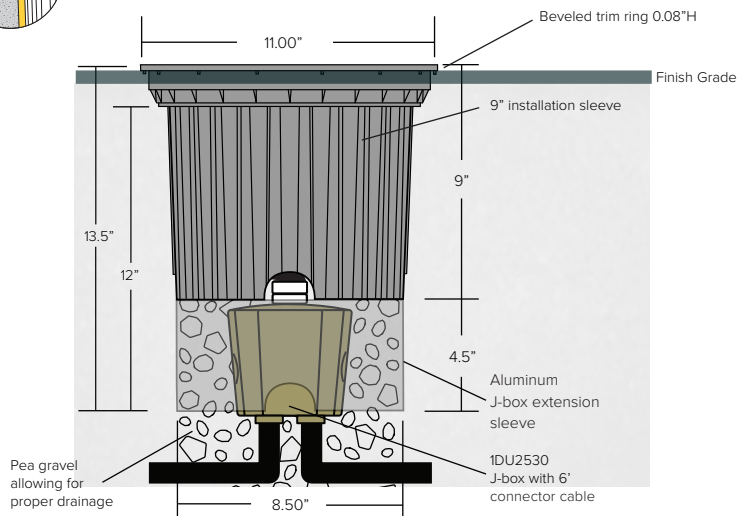
Flush Mount Sleeve Assembly

1DU2394 Sleeve



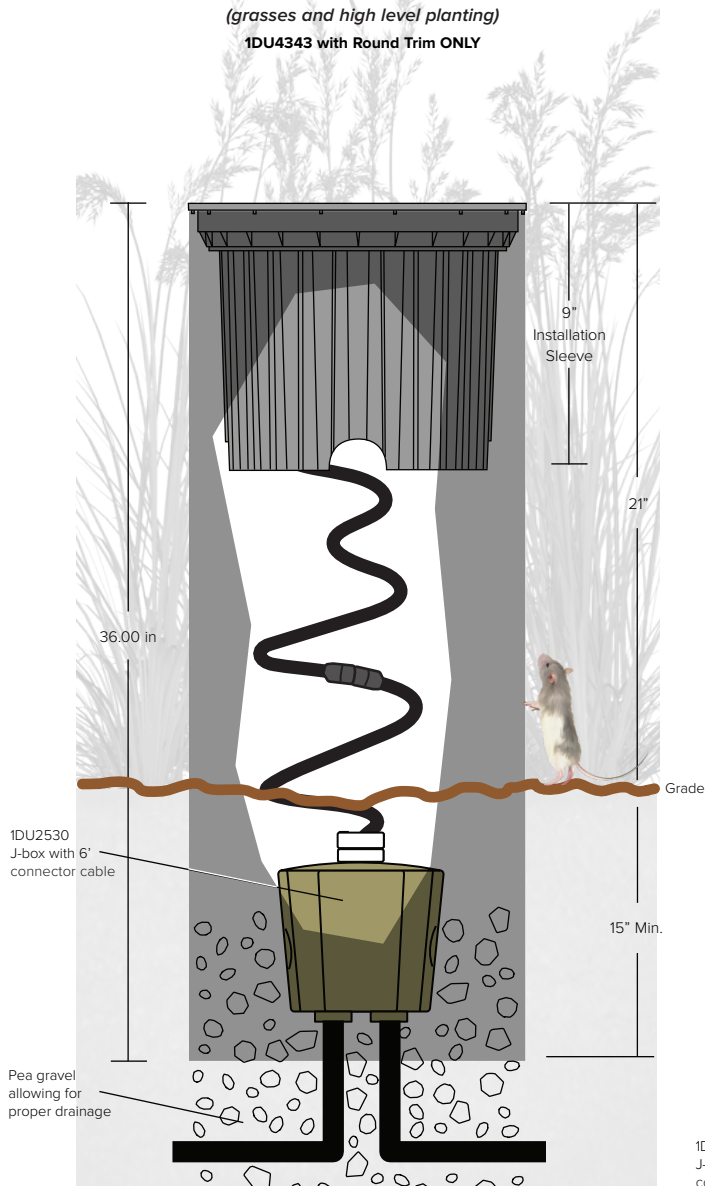
Semi-Flush Mount Sleeve Assembly

1DU2394 Sleeve

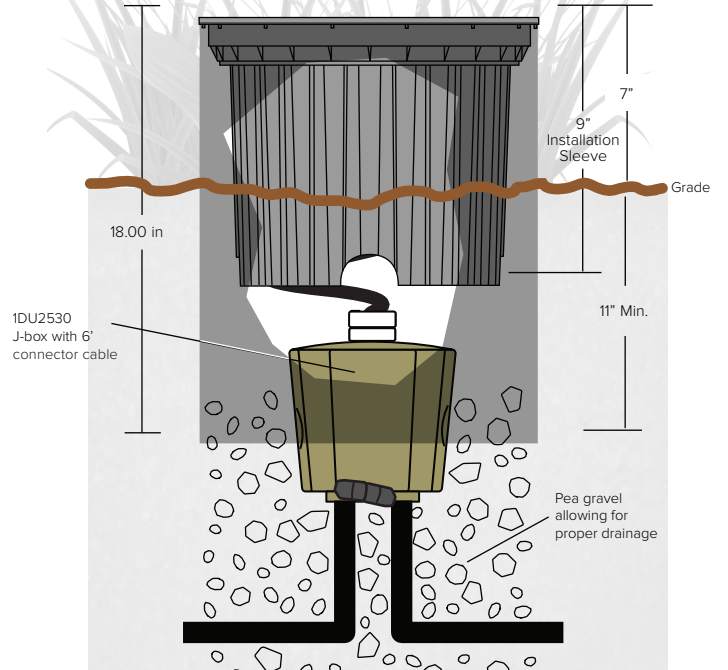


INSTALLATION DIAGRAM - Landscape Applications

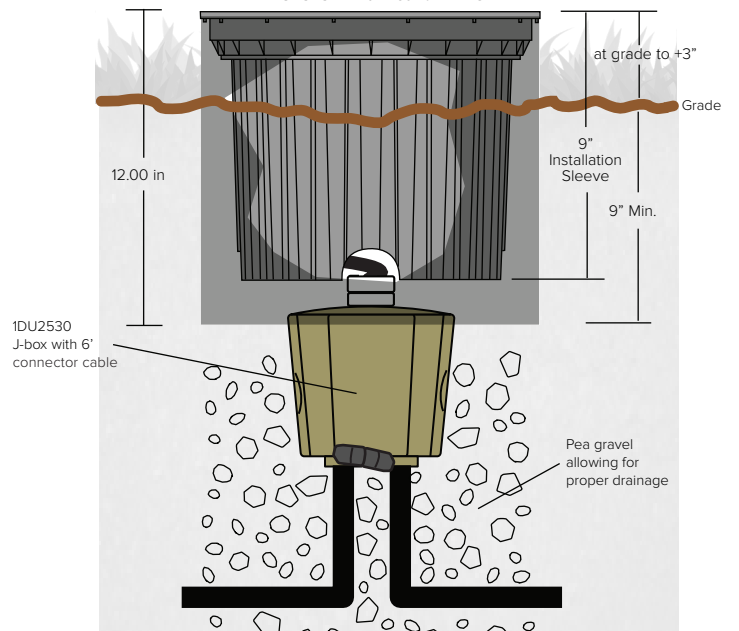
RAISED TUBE INSTALLATION ASSEMBLY
 Recommended for
LANDSCAPE INSTALLATION
(grasses and high level planting)
1DU4343 with Round Trim ONLY



RAISED TUBE INSTALLATION ASSEMBLY
 Recommended for
GROUND LEVEL INSTALLATION
(succulents and low level planting)
1DU434318 with Round Trim ONLY



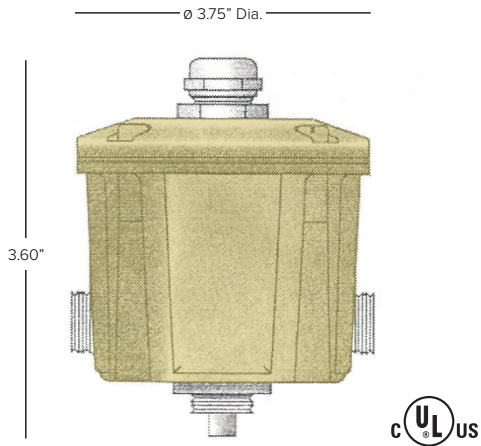
AT GRADE OR RAISED TUBE INSTALLATION ASSEMBLY
 Recommended for
TURF OR GROUND COVER INSTALLATIONS
1DU434312 with Round Trim ONLY



TARGETTI

KEPLERO ZOOM RGBW

INSTALLATION DIAGRAM - 1DU2530 J-Box

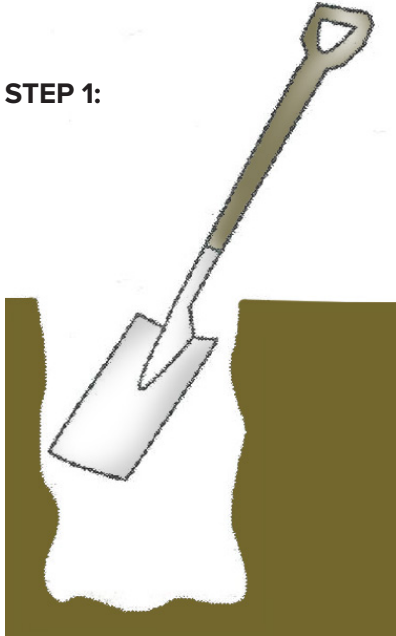


NOTE: Box fill size = 15.94 IN³
Certifications: cULus Wet Listed E496240

Brass junction box is supplied with the following components:

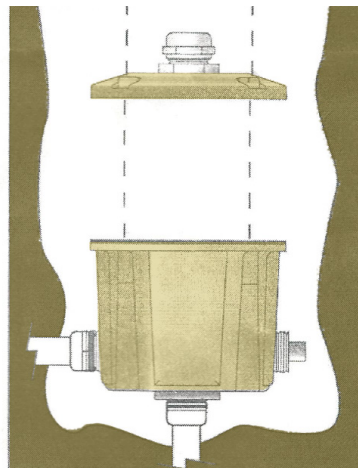
- (4) $\frac{3}{4}''$ side/bottom NPT holes
- (4) $\frac{1}{2}''$ reduction NPT adapters
- (2) $\frac{1}{2}''$ cap plugs

STEP 1:



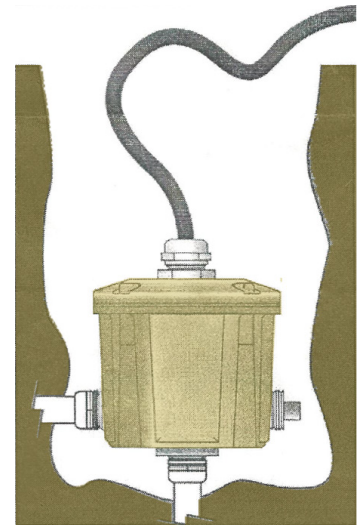
Dig a hole large enough to accommodate the junction box.

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 (ie. green-to-ground, white-to-common, and black-to-voltage). Comes with $\frac{1}{2}''$ strain relief.

TARGETTI

KEPLERO ZOOM RGBW

Photometry

SPOT / RED



		H(m)	D(m)	E _{max} (lx)		
	-		23°			
Fixture Power	20W	1	0.42	1360		
Source Flux	263lm	2	0.83	340		
Fixture Flux	263lm	3	1.25	151		
Efficacy	13lm/W	4	1.66	85		
TS904	I _{max} =5165cd/klm	I _{max}	1360cd	5	2.08	54

SPOT / GREEN



		H(m)	D(m)	E _{max} (lx)		
	-		23°			
Fixture Power	28W	1	0.42	2253		
Source Flux	436lm	2	0.83	563		
Fixture Flux	436lm	3	1.25	250		
Efficacy	16lm/W	4	1.66	141		
TS904	I _{max} =5165cd/klm	I _{max}	2253cd	5	2.08	90

SPOT / BLUE



		H(m)	D(m)	E _{max} (lx)		
	-		23°			
Fixture Power	20W	1	0.42	435		
Source Flux	84lm	2	0.83	109		
Fixture Flux	84lm	3	1.25	48		
Efficacy	4lm/W	4	1.66	27		
TS904	I _{max} =5165cd/klm	I _{max}	435cd	5	2.08	17

SPOT / RGB



		H(m)	D(m)	E _{max} (lx)		
	-		23°			
Fixture Power	58W	1	0.42	3626		
Source Flux	702lm	2	0.83	907		
Fixture Flux	702lm	3	1.25	403		
Efficacy	12lm/W	4	1.66	227		
TS904	I _{max} =5165cd/klm	I _{max}	3626cd	5	2.08	145

SPOT / RGBW



		H(m)	D(m)	E _{max} (lx)		
	-		23°			
Fixture Power	56W	1	0.42	4266		
Source Flux	826lm	2	0.83	1067		
Fixture Flux	826lm	3	1.25	474		
Efficacy	15lm/W	4	1.66	267		
TS904	I _{max} =5165cd/klm	I _{max}	4266cd	5	2.08	171

SPOT / 4000°K



	4000K	H(m)	D(m)	E _{max} (lx)		
	-		23°			
	Ra80					
Fixture Power	15W	1	0.42	1475		
Source Flux	286lm	2	0.83	369		
Fixture Flux	286lm	3	1.25	164		
Efficacy	19lm/W	4	1.66	92		
TS904	I _{max} =5165cd/klm	I _{max}	1475cd	5	2.08	59

TARGETTI

KEPLERO ZOOM RGBW

Photometry Cont.

FLOOD / RED



		H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	20W	1	0.57	1005		
Source Flux	344lm	2	1.14	251		
Fixture Flux	344lm	3	1.71	112		
Efficacy	17lm/W	4	2.27	63		
TS905	I _{max} =2921cd/klm	I _{max}	1005cd	5	2.84	40

FLOOD / GREEN



		H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	28W	1	0.57	1723		
Source Flux	590lm	2	1.14	431		
Fixture Flux	590lm	3	1.71	191		
Efficacy	21lm/W	4	2.27	108		
TS905	I _{max} =2921cd/klm	I _{max}	1723cd	5	2.84	69

FLOOD / BLUE



		H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	20W	1	0.57	333		
Source Flux	114lm	2	1.14	83		
Fixture Flux	114lm	3	1.71	37		
Efficacy	6lm/W	4	2.27	21		
TS905	I _{max} =2921cd/klm	I _{max}	333cd	5	2.84	13

FLOOD / RGB



		H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	58W	1	0.57	2732		
Source Flux	935lm	2	1.14	683		
Fixture Flux	935lm	3	1.71	304		
Efficacy	16lm/W	4	2.27	171		
TS905	I _{max} =2921cd/klm	I _{max}	2732cd	5	2.84	109

FLOOD / RGBW



		H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	56W	1	0.57	3161		
Source Flux	1082lm	2	1.14	790		
Fixture Flux	1082lm	3	1.71	351		
Efficacy	19lm/W	4	2.27	198		
TS905	I _{max} =2921cd/klm	I _{max}	3161cd	5	2.84	126

FLOOD / 4000°K



	4000K	H(m)	D(m)	E _{max} (lx)		
	-		32°			
	-					
Fixture Power	15W	1	0.57	1060		
Source Flux	363lm	2	1.14	265		
Fixture Flux	363lm	3	1.71	118		
Efficacy	24lm/W	4	2.27	66		
TS905	I _{max} =2921cd/klm	I _{max}	1060cd	5	2.84	42

Photometry Cont.

MEDIUM WIDE FLOOD / RED



		H(m)	D(m)	E _{max} (lx)		
	-		51°			
Fixture Power	20W	1	0.95	606		
Source Flux	439lm	2	1.90	152		
Fixture Flux	439lm	3	2.85	67		
Efficacy	22lm/W	4	3.80	38		
TS906	I _{max} =1380cd/klm	I _{max}	606cd	5	4.75	24

MEDIUM WIDE FLOOD / GREEN



		H(m)	D(m)	E _{max} (lx)		
	-		51°			
Fixture Power	28W	1	0.95	1030		
Source Flux	746lm	2	1.90	258		
Fixture Flux	746lm	3	2.85	114		
Efficacy	27lm/W	4	3.80	64		
TS906	I _{max} =1380cd/klm	I _{max}	1030cd	5	4.75	41

MEDIUM WIDE FLOOD / BLUE



		H(m)	D(m)	E _{max} (lx)		
	-		51°			
Fixture Power	20W	1	0.95	204		
Source Flux	148lm	2	1.90	51		
Fixture Flux	148lm	3	2.85	23		
Efficacy	7lm/W	4	3.80	13		
TS906	I _{max} =1380cd/klm	I _{max}	204cd	5	4.75	8

MEDIUM WIDE FLOOD / RGB



		H(m)	D(m)	E _{max} (lx)		
	-		51°			
Fixture Power	58W	1	0.95	1648		
Source Flux	1193lm	2	1.90	412		
Fixture Flux	1193lm	3	2.85	183		
Efficacy	21lm/W	4	3.80	103		
TS906	I _{max} =1380cd/klm	I _{max}	1648cd	5	4.75	66

MEDIUM WIDE FLOOD / RGBW



		H(m)	D(m)	E _{max} (lx)		
	-		51°			
Fixture Power	56W	1	0.95	1877		
Source Flux	1359lm	2	1.90	469		
Fixture Flux	1359lm	3	2.85	209		
Efficacy	24lm/W	4	3.80	117		
TS906	I _{max} =1380cd/klm	I _{max}	1877cd	5	4.75	75

MEDIUM WIDE FLOOD / 4000°K



	4000K	H(m)	D(m)	E _{max} (lx)		
	-		51°			
	Ra80					
Fixture Power	15W	1	0.95	610		
Source Flux	442lm	2	1.90	153		
Fixture Flux	442lm	3	2.85	68		
Efficacy	29lm/W	4	3.80	38		
TS906	I _{max} =1380cd/klm	I _{max}	610cd	5	4.75	24

TARGETTI

KEPLERO ZOOM RGBW

Photometry Cont.

WIDE FLOOD / RED



		H(m)	D(m)	E _{max} (lx)
		-	72°	-
Fixture Power	20W	1	1.45	360
Source Flux	469lm	2	2.90	90
Fixture Flux	469lm	3	4.35	40
Efficacy	23lm/W	4	5.80	22
TS907	I _{max} =768cd/klm	I _{max}	360cd	5
			7.25	14

WIDE FLOOD / GREEN



		H(m)	D(m)	E _{max} (lx)
		-	72°	-
Fixture Power	28W	1	1.45	603
Source Flux	785lm	2	2.90	151
Fixture Flux	785lm	3	4.35	67
Efficacy	28lm/W	4	5.80	38
TS907	I _{max} =768cd/klm	I _{max}	603cd	5
			7.25	24

WIDE FLOOD / BLUE



		H(m)	D(m)	E _{max} (lx)
		-	72°	-
Fixture Power	20W	1	1.45	118
Source Flux	153lm	2	2.90	29
Fixture Flux	153lm	3	4.35	13
Efficacy	8lm/W	4	5.80	7
TS907	I _{max} =768cd/klm	I _{max}	118cd	5
			7.25	5

WIDE FLOOD / RGB



		H(m)	D(m)	E _{max} (lx)
		-	72°	-
Fixture Power	58W	1	1.45	955
Source Flux	1245lm	2	2.90	239
Fixture Flux	1245lm	3	4.35	106
Efficacy	21lm/W	4	5.80	60
TS907	I _{max} =768cd/klm	I _{max}	955cd	5
			7.25	38

WIDE FLOOD / RGBW



		H(m)	D(m)	E _{max} (lx)
		-	72°	-
Fixture Power	56W	1	1.45	1076
Source Flux	1402lm	2	2.90	269
Fixture Flux	1402lm	3	4.35	120
Efficacy	25lm/W	4	5.80	67
TS907	I _{max} =768cd/klm	I _{max}	1076cd	5
			7.25	43

WIDE FLOOD / 4000°K



		H(m)	D(m)	E _{max} (lx)
		4000K		
		Ra80		
		-	72°	-
Fixture Power	15W	1	1.45	354
Source Flux	461lm	2	2.90	88
Fixture Flux	461lm	3	4.35	39
Efficacy	31lm/W	4	5.80	22
TS907	I _{max} =768cd/klm	I _{max}	354cd	5
			7.25	14