

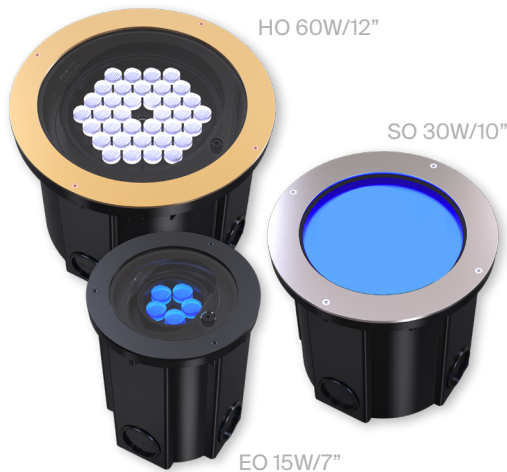
PROJECT

FIRM

ORDER #

TYPE

QTY



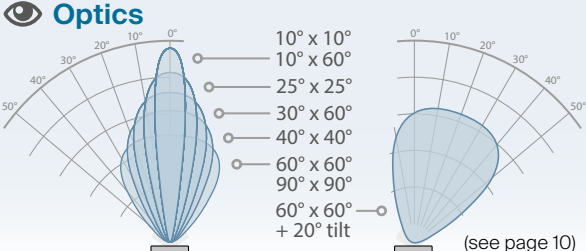
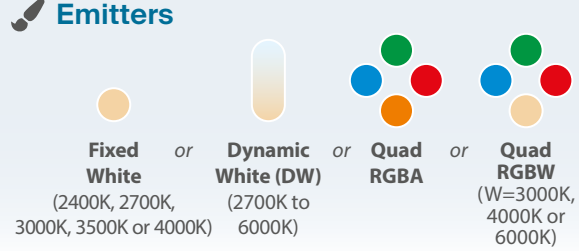
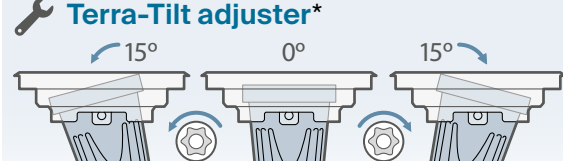
Terra Drums™ are rugged, drive-over ready fixtures designed for all-weather in-ground applications. Available in three sizes, these IP68-rated fixtures are particularly suited to recessed façade and tree lighting applications. The wide range of emitter and optic options amount to an impressive ninety combinations to ensure a precise fit with your installation. Additionally, our Terra-Tilt adjuster allows you to fine tune the beam position once each fixture is in place, without compromising the environmental protection*.

Using unified power and DMX control links, Terra Drum fixtures can be rapidly daisy-chained in long runs. Configuration is achieved using RDM (via DMX) and all standard mains voltages are supported. Anti-slip top coating options, anti-theft security screws and an IK10, drive-over rating of up to 6,000 lbs (2,721kg) make the Terra Drum family a natural choice for use in all public areas.

SpectrumFour technology

See page 13

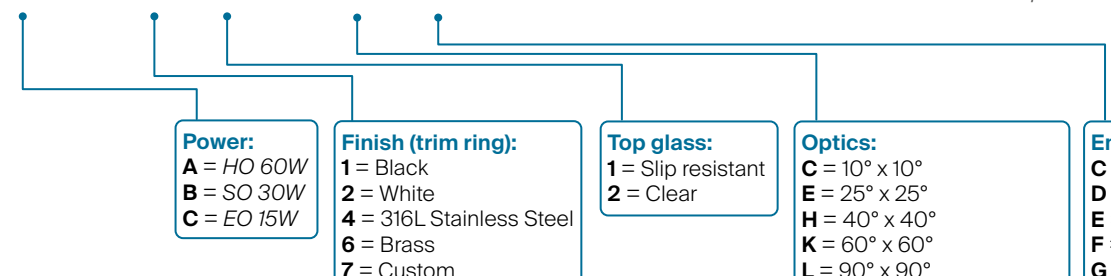
At a glance

Optics  <p>10° x 10° 10° x 60° 25° x 25° 30° x 60° 40° x 40° 60° x 60° 90° x 90° 60° x 60° + 20° tilt (see page 10)</p>	Protection <p>Ingress: IP68 Impact: IK10 Vibration: 3G</p>	Emitters  <p>Fixed White (2400K, 2700K, 3000K, 3500K or 4000K) or Dynamic White (DW) (2700K to 6000K) or Quad RGBA or Quad RGBW (W=3000K, 4000K or 6000K)</p>		
Power <p>100 to 277VAC 50/60Hz</p>	Temperature <p>-40° F to 131° F -40° C to 55° C</p>	Drive over <p>6,000 lbs 2,721 kg maximum</p>	Output <p>Up to 3,480 lumens</p>	Terra-Tilt adjuster* 

*Terra-Tilt adjuster not fitted on direct view frosted models

Configure your product

TD **-2** **-A** **N**



Power:
A = HO 60W
B = SO 30W
C = EO 15W

Finish (trim ring):
1 = Black
2 = White
4 = 316L Stainless Steel
6 = Brass
7 = Custom


Top glass:
1 = Slip resistant
2 = Clear

Optics:
C = 10° x 10°
E = 25° x 25°
H = 40° x 40°
K = 60° x 60°
L = 90° x 90°
Q = 30° x 60°
R = 10° x 60°
T = Asym. Wall Wash Left
 60° x 60°, 20° tilt
U = Asym. Wall Wash Right
 60° x 60°, 20° tilt
V = Direct view frosted

Emitters:
C = 2400K
D = 2700K
E = 3000K
F = 3500K
G = 4000K
X = DW (2700K - 6000K)
Q = QS (RGBW, W=3000K)
R = QW4 (RGBW, W=4000K)
S = QW6 (RGBW, W=6000K)
T = RGBA

Example final code: **TDA-242-AHQN**

SCAN FOR PRODUCT PAGE



Notes:

An in-ground sleeve is required for each Terra Drum and are ordered separately

Black, white, gray and custom trim ring options are all manufactured using coated stainless steel. Brass options are created using actual brass.

PROJECT

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ORDER #

TYPE

QTY

Specifications

Emitters	2400K, 2700K, 3000K, 3500K, 4000K, DW (2700K-6000K), RGBA QS (W=3000K), QW4 (W=4000K) or QW6 (W=6000K)
Optics	10° x 10°, 10° x 60°, 25° x 25°, 30° x 60°, 40° x 40°, 60° x 60°, 90° x 90°, Asymmetric wall wash (60° x 60°, 20° tilt - see page 10) or Direct view frosted
Beam tilt	Terra-Tilt adjuster providing +/- 15° head movement in one axis; accessed via Torx security port
Output	Up to 3,480 lumens (HO, white)
Lumen maintenance	L ₇₀ 150,000 hours (@ 25° C)
Control	0-100% dimming via wired DMX (with RDM configuration). 0-10V and DALI control available <i>Single color models will default to 100% (on/off) output if the control input is absent (see page 11).</i>
Maximum fixtures in series	See page 13
Operating voltage	100-277VAC, 50/60Hz
Power consumption	HO: 60W, SO: 30W, EO: 15W
Connection	NEC-compliant composite integral input and output cables [18" (46 cm) lengths] with IP68 multi-pin connectors
Mounting	In-ground sleeve required (ordered separately). Includes pour cover and knock-outs for 2" conduit
Material	Anodized aluminum with marine grade coating, glass top lens with optional slip-resistant coating, PVC in-ground sleeve (available as separate item)
Finish	316L stainless steel trim ring finish as standard. Optional black, white, brass or custom colors available
Ambient temperature range	-40° F to 131° F (-40° C to 55° C)
Ingress protection	IP68, wet location and temporary submersion for up to 1 hour at 3.28' (1m)
Impact protection	IK10, protection against 20 joule impact (40cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Drive over rating	Walk- and drive-over rated up to 6,000 lbs (2,721kg)
Warranty	5 years, limited
Weight	HO: 18 lbs (8.16kg), SO: 9 lbs (4.08kg), EO: 6.2lbs (2.81kg)
Dimensions	See page 5
Certifications	      (ETL Listing conforms to UL 1598 : 2021 Ed. 5 standards)

Photometrics

For all available IES files, please visit acclaimlighting.com/terra-drum

Color or color temperature	Lumens	Max Candela	Efficacy (l/w)	CRI (Ra)	TM30
4000K (10°) HO / SO / EO	3,480 / 1,654 / 870	58,330 / 22,091 / 12,834	58 / 53 / 58	81.6 / 82.2 / 82.1	82.8 / 83.9 / 83.6
4000K Direct view frosted HO	1,441	483	24	84.5	84.2
QW4 (10°) HO / SO / EO	2,090 / 1,041 / 540	20,166 / 10,045 / 4,798	36 / 35 / 36	80.5 / 80.5 / 83.1	82.6 / 82.6 / 82.4
QW4 Direct view frosted HO	1,080	296	18	80.8	81.3
DW (10°) HO / SO / EO	2,640 / 1,266 / 645	19,780 / 8,991 / 3,975	44 / 43 / 43	93.2 / 95.1 / 92	88.7 / 91 / 89.4
DW Direct view frosted HO	1,200	322	20	85.4	83.6

PROJECT

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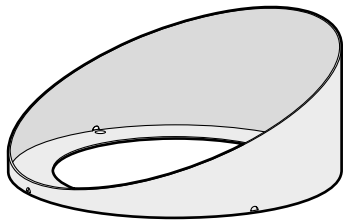
TYPE

QTY

Related components

Beam shaping accessories

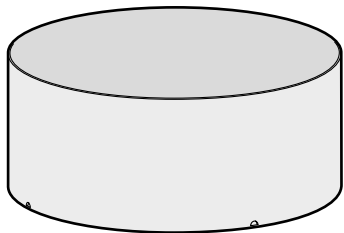
Half snoots



	HO	SO	EO
Black	TDAHSB	TDBHSB	TDCHSB
White	TDAHSW	TDBHSW	TDCHSW
Gray	TDAHSG	TDBHSG	TDCHSG
Brass	TDAHSR	TDBHSR	TDCHSR
Custom*	TDAHSC	TDBHSC	TDCHSC

Note: Black, white, gray and custom half snoot options are all manufactured using coated stainless steel. Brass options are created using actual brass.

Full snoots



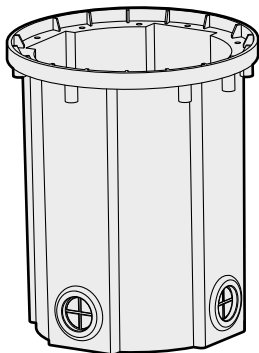
	HO	SO	EO
Black	TDAFSB	TDBFSB	TDCFSB
White	TDAFSW	TDBFSW	TDCFSW
Gray	TDAFSG	TDBFSG	TDCFSG
Brass	TDAFSR	TDBFSR	TDCFSR
Custom*	TDAFSC	TDBFSC	TDCFSC

Note: Black, white, gray and custom full snoot options are all manufactured using coated stainless steel. Brass options are created using actual brass.

* RAL # also required

Mounting accessories (one required per fixture)

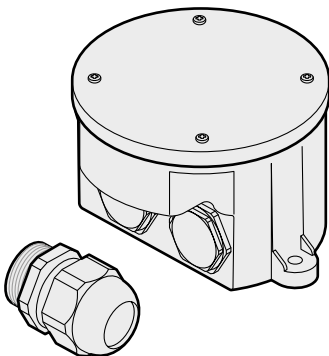
In-ground sleeve plus removable pour cover



HO	TDAIGS
SO	TDBIGS
EO	TDCIGS

Connection accessory

IP66 junction box (plus outlet cable gland)



Part # **AJBOX1**
IP66 NEC compliant high+low voltage junction box
1/2" conduit inputs for AC + DMX, 3/4" conduit for TLAFCS#
Built-in AC surge protection up to 10kV & 10kA
Suitable for 120-277VAC runs.



PROJECT

FIRM

ORDER #

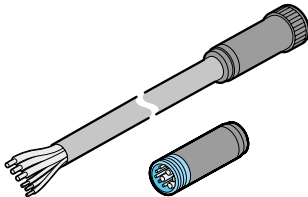
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Related components

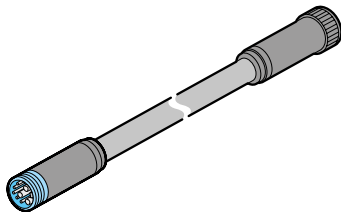
Cables

Feed cables (inc terminator)



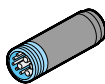
10' (3m) **TLAFC10**
50' (15.2m) **TLAFC50**

Link cables



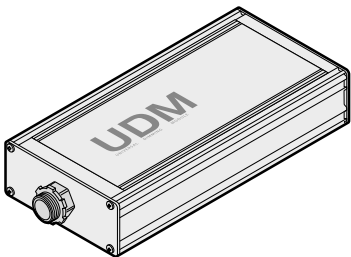
1' (30cm) **TLALC1**
5' (1.5m) **TLALC5**
10' (3m) **TLALC10**

Terminator (end cap)

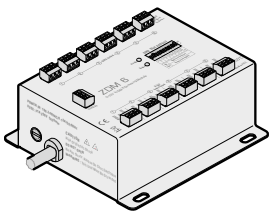


Terminator **TLATEC**

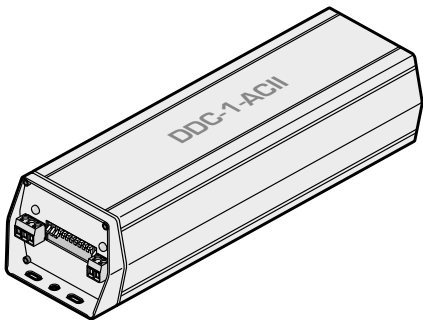
Signal protocol converters (see page 11)



0-10V single channel converter **UDM**

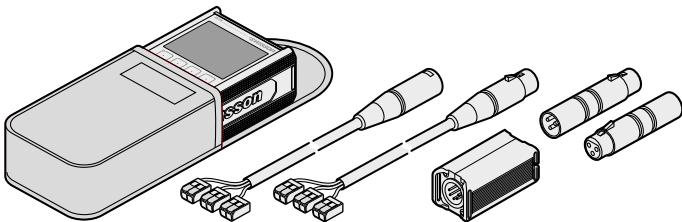


0-10V multiple channel converter **ZDM 6**



DALI multiple channel converter **DDC 1 AC**

Test and configuration tool kit



XMT-500
DMX/RDM, ArtNet and sACN test/configuration tool with cable dangle, 3/5-pin converters, bare cable connectors and pouch



PROJECT

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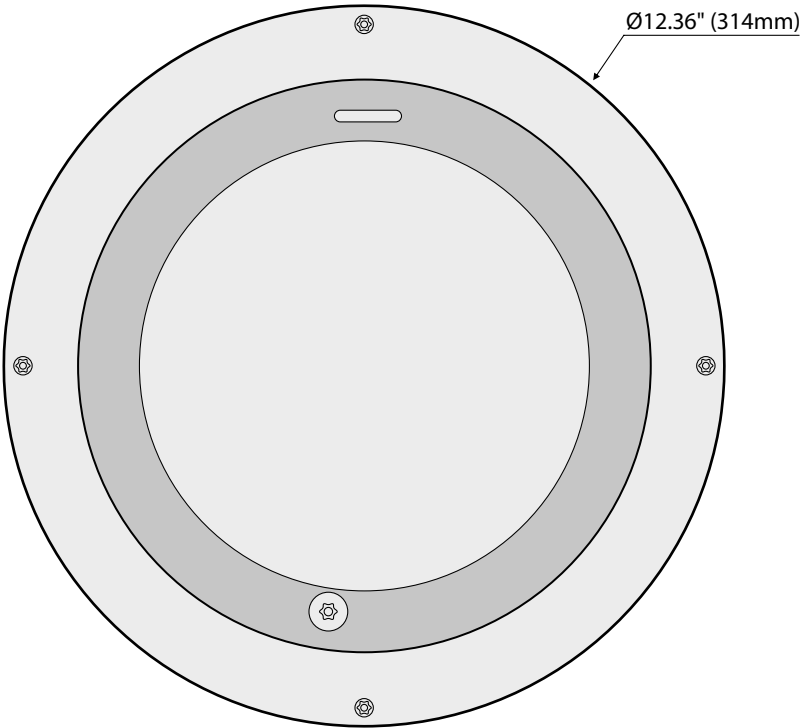
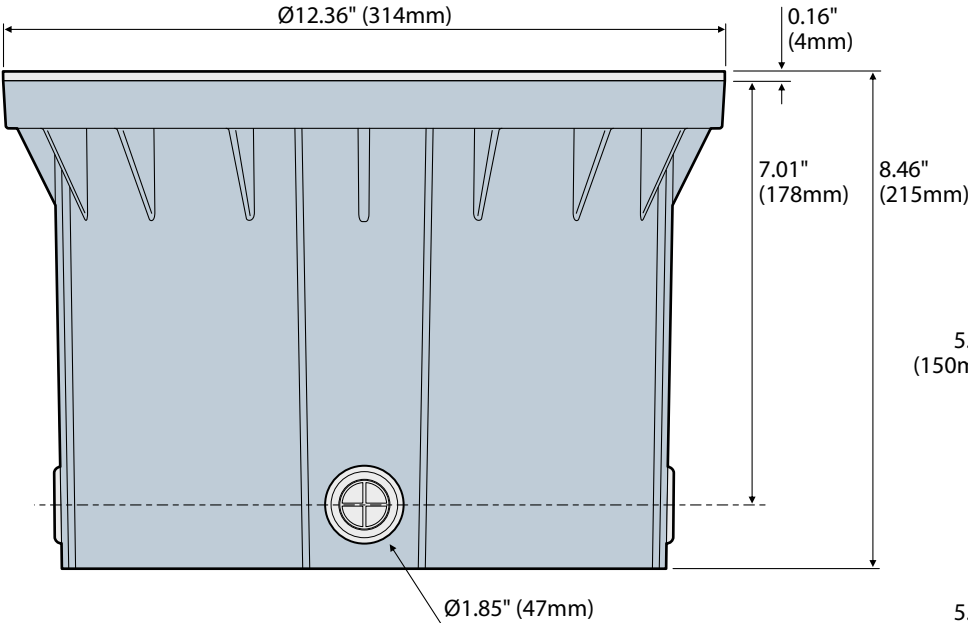
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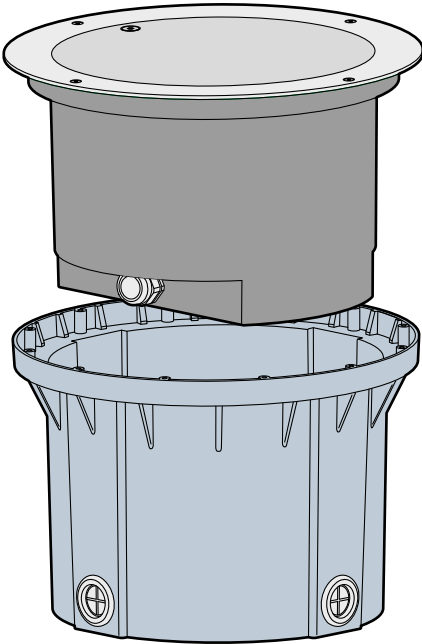
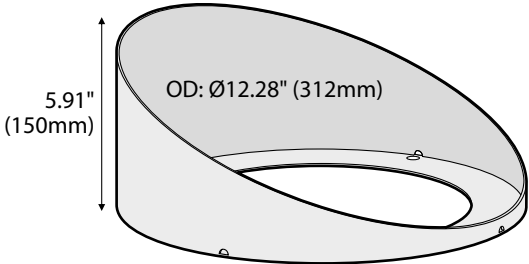
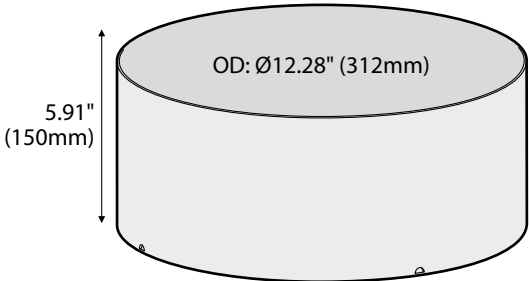
QTY

Dimensions

Terra Drum HO



Optional snoots



PROJECT

FIRM

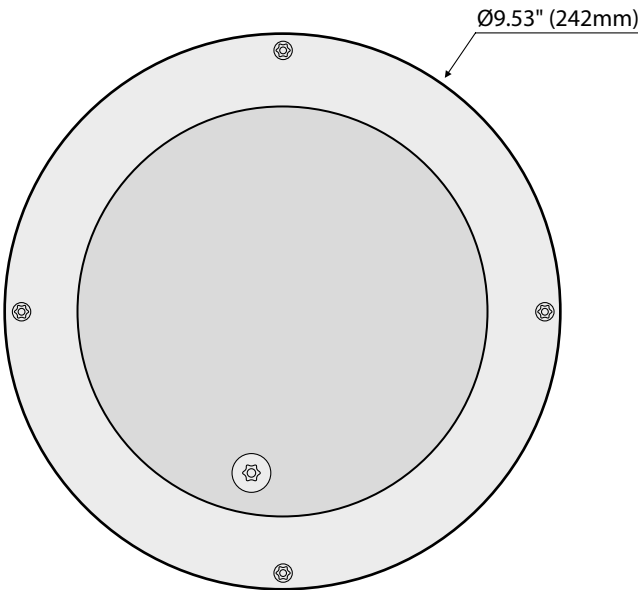
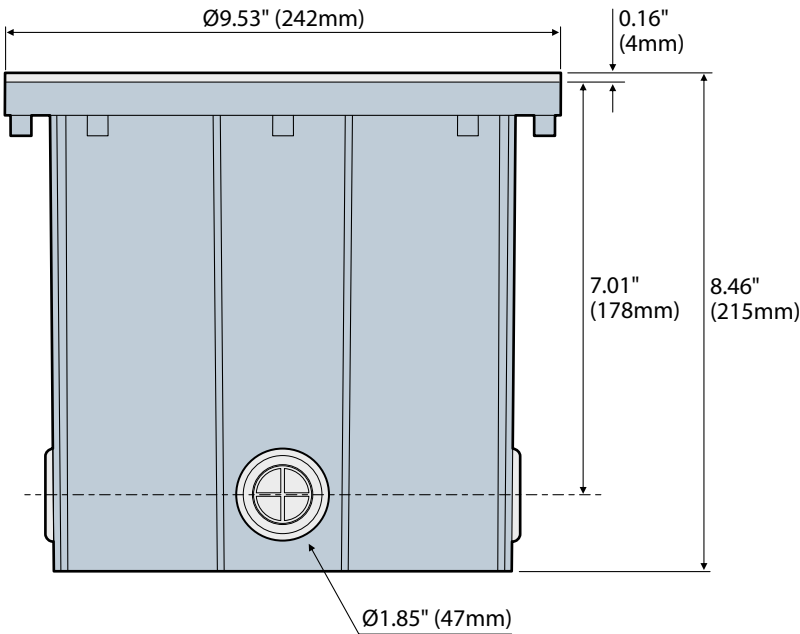
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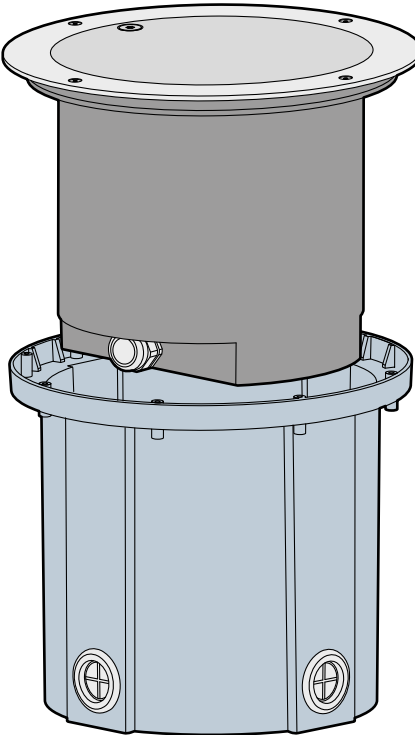
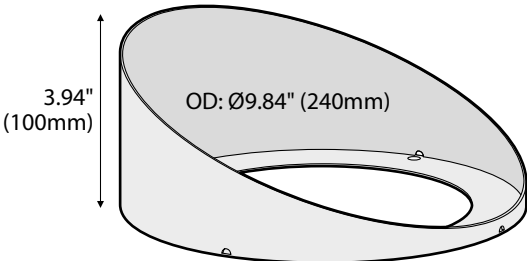
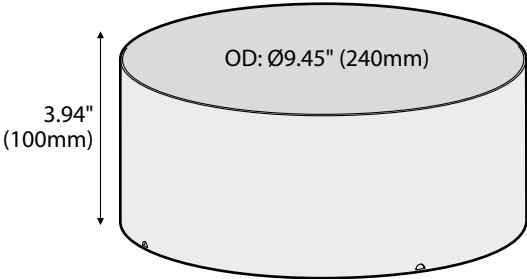
QTY

Dimensions

Terra Drum SO



Optional snoots



PROJECT

FIRM

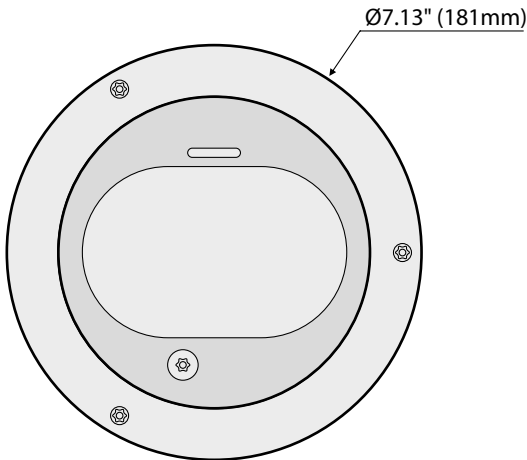
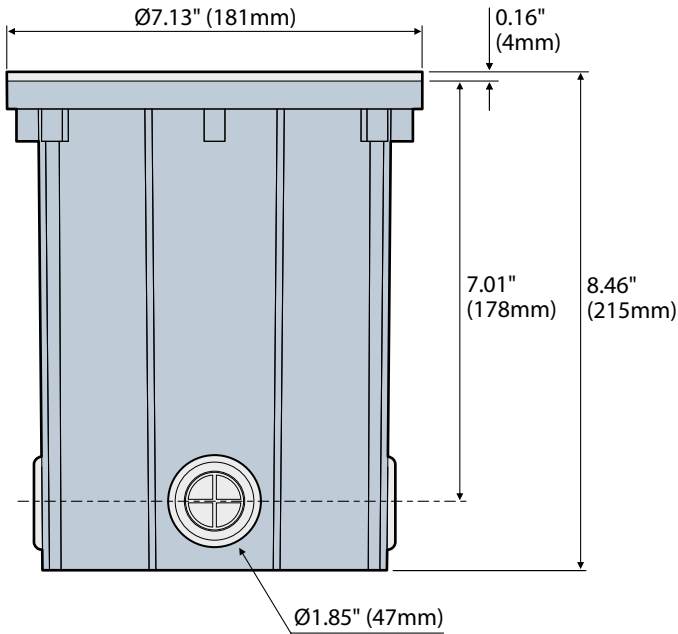
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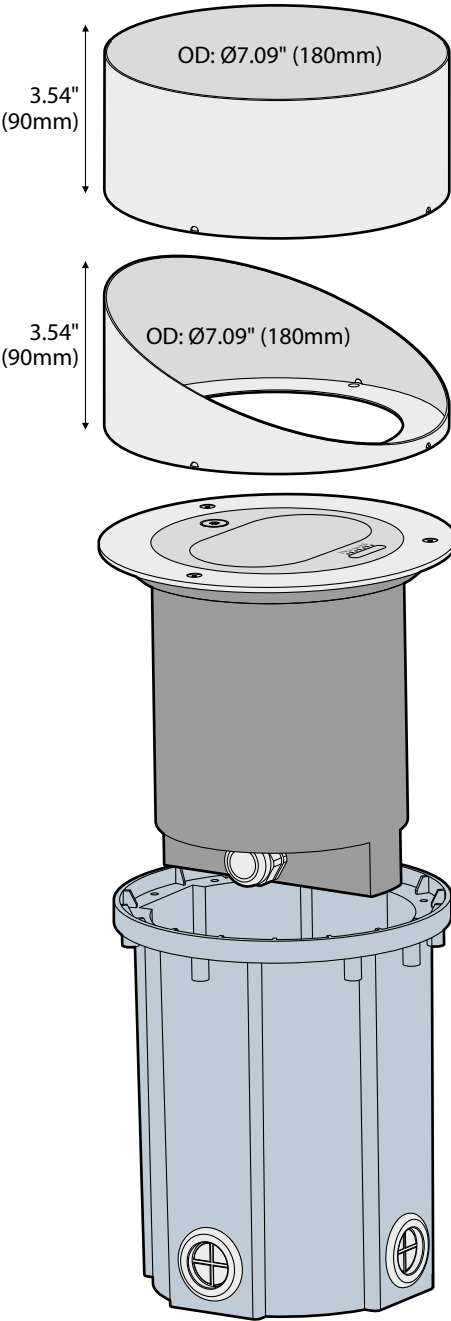
QTY

Dimensions

Terra Drum EO



Optional snoots



PROJECT

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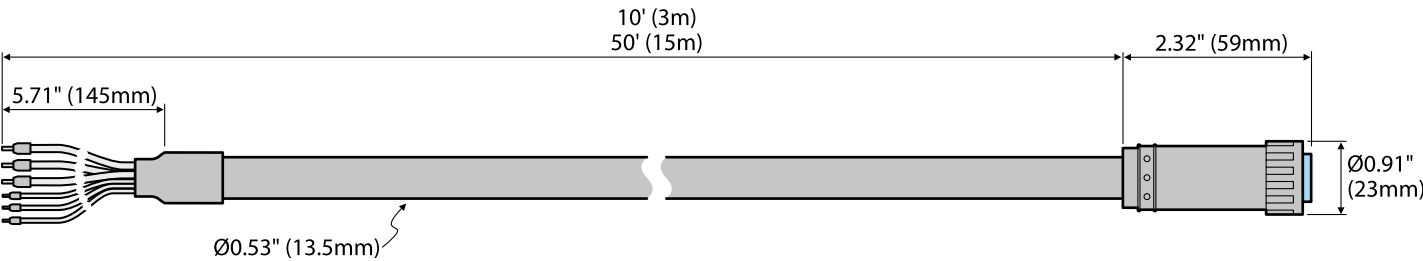
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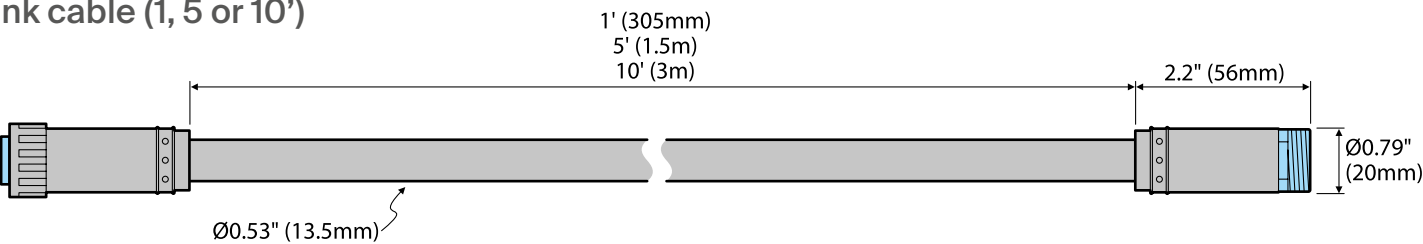
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Dimensions

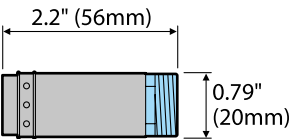
Feed cable (10 or 50')



Link cable (1, 5 or 10')



Terminator (end cap)



PROJECT

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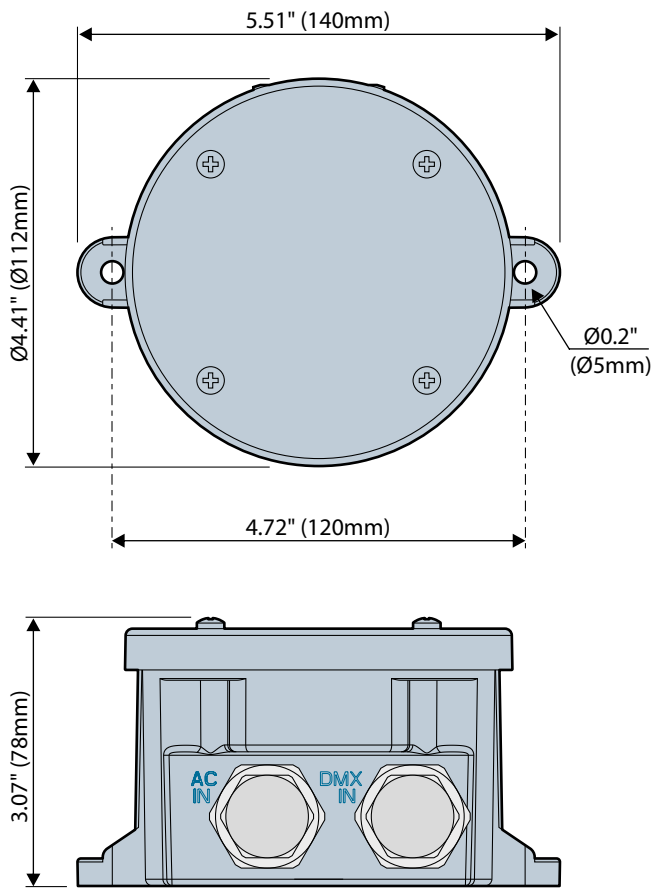
ORDER #

TYPE

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Dimensions

AJBOX1

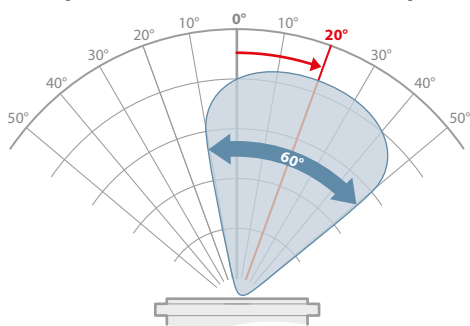


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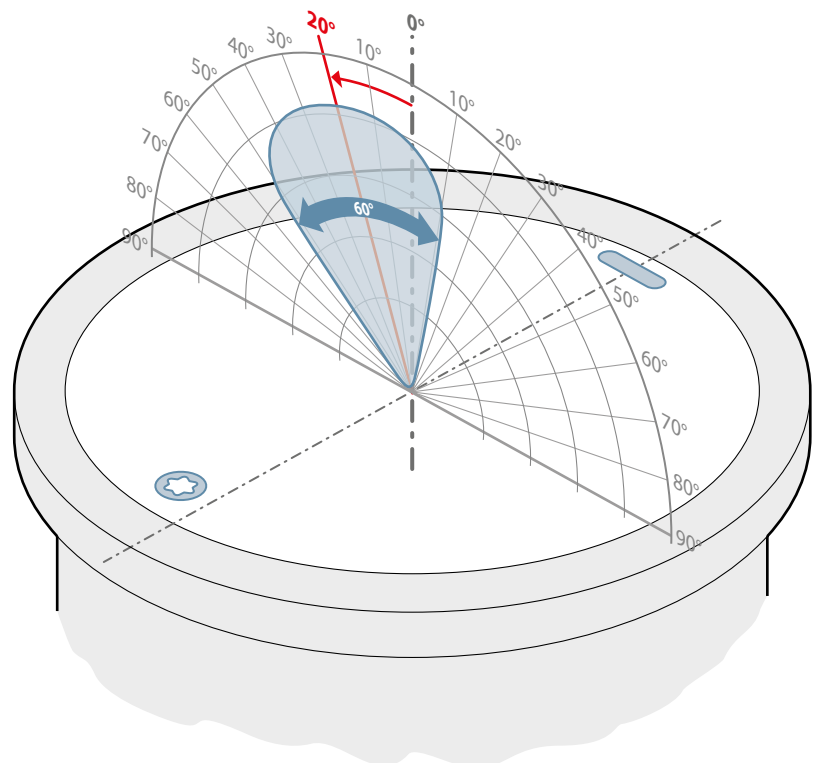
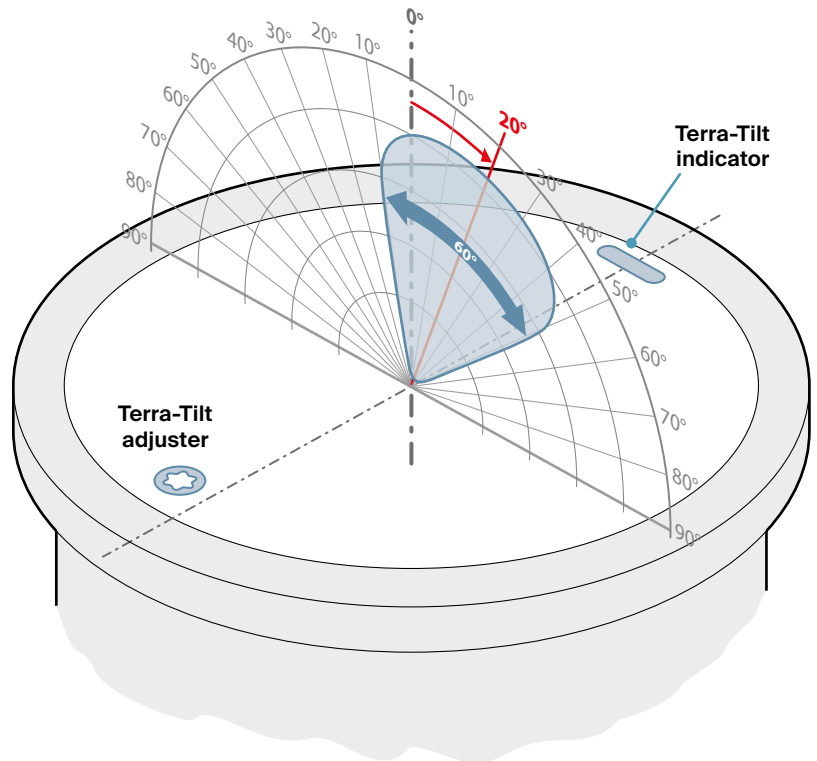
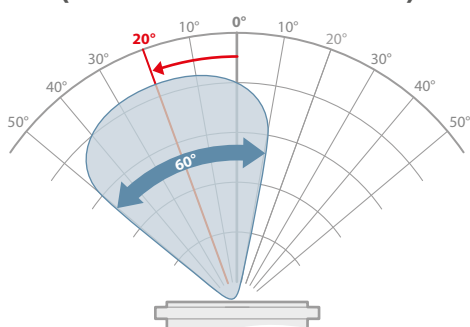
Asymmetric wall wash lens options

Two special lens options are available, both of which provide a 20 degree side-bias to the direction of the emitted output. Both lens options produce a 60 x 60 degree main beam angle; the difference is whether those beams are biased to the left or to the right of the fixture, in relation to the center axis that runs between the Terra-Tilt adjuster and indicator.

Asymmetric Wall Wash Right (60° x 60° with 20° tilt)



Asymmetric Wall Wash Left (60° x 60° with 20° tilt)



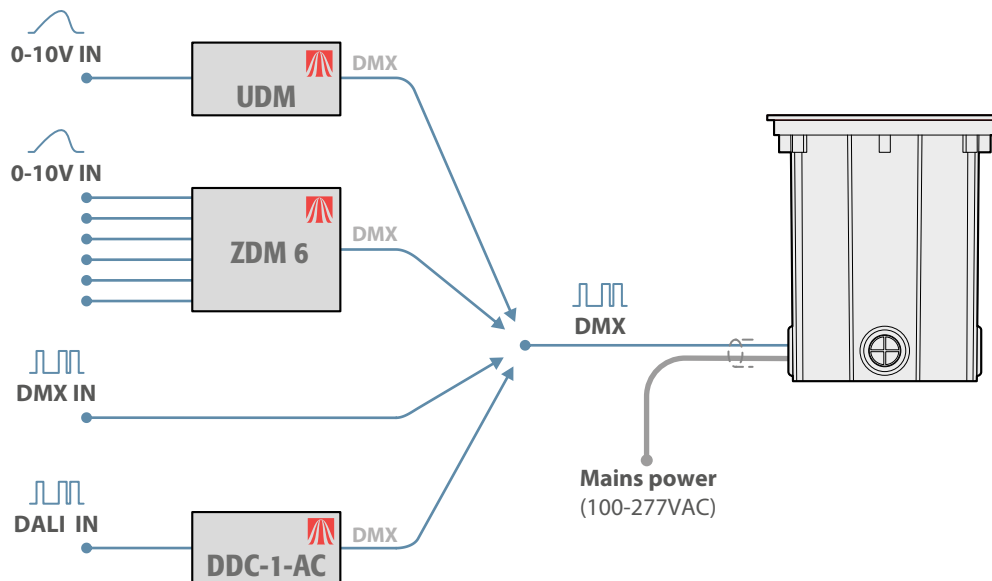
PROJECT	FIRM	ORDER #	TYPE	QTY
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Using other control inputs

Terra Drum fixtures use DMX as their native control method, however, it is possible to use other common control protocols when required, such as 0-10V (source or sink) or DALI.

Control inputs via converters

- DMX - connect a DMX input directly to the feed cable.
- 0-10V (single) - use an Acclaim Lighting UDM to convert and merge a single analog control channel into a DMX feed.
- 0-10V (multiple) - use an Acclaim Lighting ZDM 6 to convert one or more analog control feeds into a combined DMX feed.
- DALI - use an Acclaim Lighting DDC-1-AC to convert one or more DALI channels into a combined DMX feed.



When using Acclaim Lighting ZDM 6 or DDC-1-AC modules it is possible to convert multiple inputs into separate DMX channels within a consolidated feed - thus allowing multiple Terra Drum fixtures to be uniquely addressed. The ZDM 6 can convert up to six 0-10V inputs into DMX channels, whereas the DDC-1-AC can convert a maximum of 64 DALI channels (although large numbers of channels are not recommended due to the timing limitations of the DALI standard).

IMPORTANT: Termination

Ensure that the final fixture in a run has a terminator end cap correctly fitted to its output connection. This will terminate the control signal and also ensure that the power connection is fully sealed.

Behaviors if the control signal is lost or not applied

If the DMX control signal is not present while power is applied, Terra Drum fixtures will respond in the following ways:

- Single color versions - when DMX is lost (or not used), each fixture will go to full output until the control signal is restored. If power is cycled while the control signal is absent, each fixture will remain at full until the signal is restored. If 100% output is required at all times during normal operation, this feature allows the Terra Drums to be fed with power only, without need for a control input.
- Dynamic white, RGBW and RGBA versions - when DMX is lost, each fixture will hold the last received values until the control signal is restored. If power is cycled while the control signal is absent, each fixture will retain the last received values until the signal is restored.



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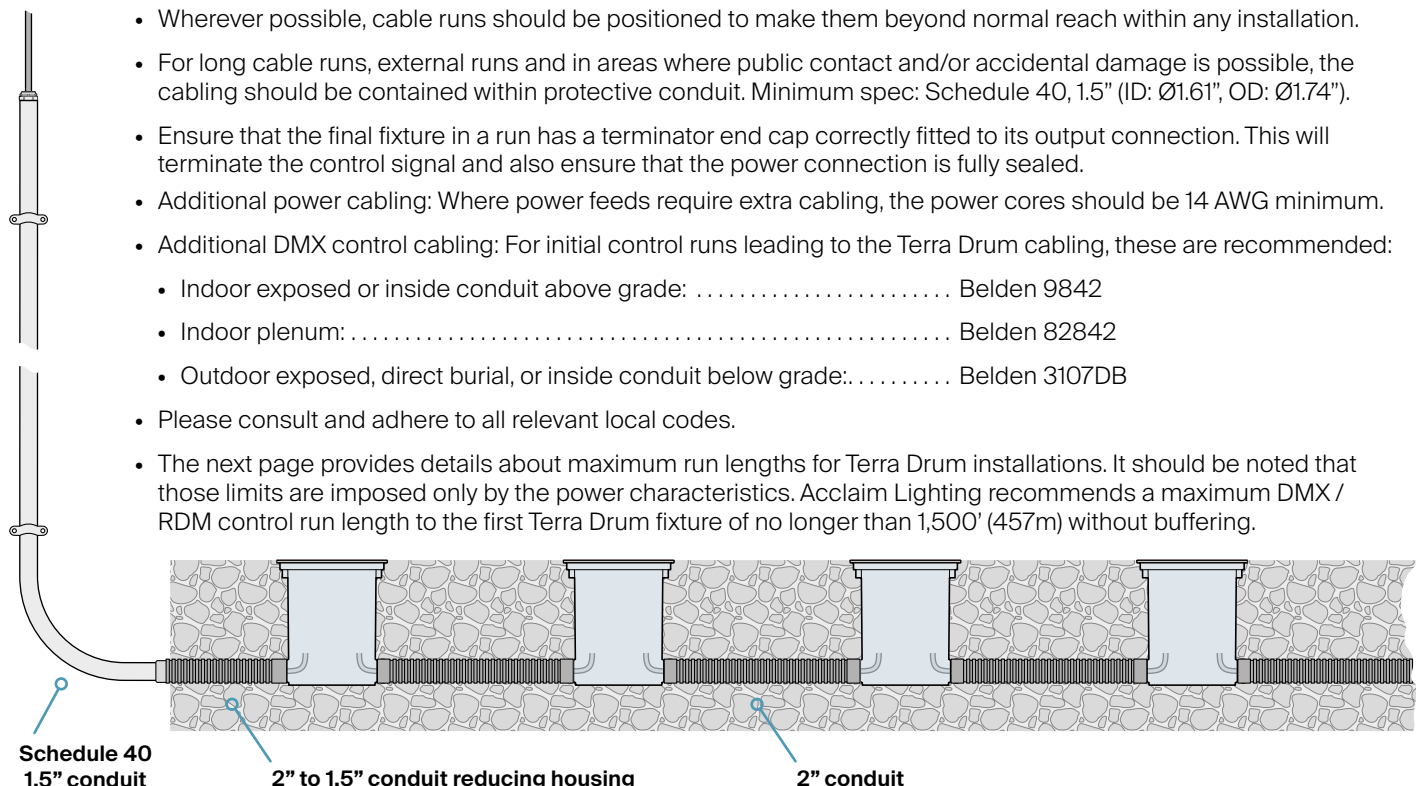
FIRM

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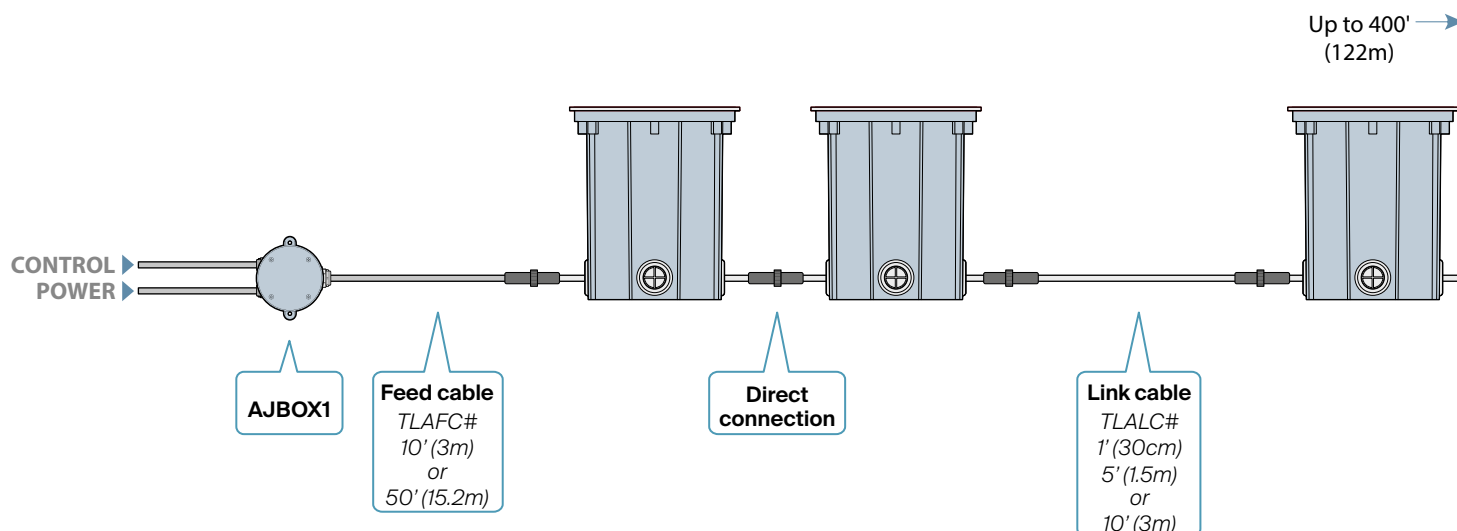
Important cabling considerations



- Wherever possible, cable runs should be positioned to make them beyond normal reach within any installation.
- For long cable runs, external runs and in areas where public contact and/or accidental damage is possible, the cabling should be contained within protective conduit. Minimum spec: Schedule 40, 1.5" (ID: Ø1.61", OD: Ø1.74").
- Ensure that the final fixture in a run has a terminator end cap correctly fitted to its output connection. This will terminate the control signal and also ensure that the power connection is fully sealed.
- Additional power cabling: Where power feeds require extra cabling, the power cores should be 14 AWG minimum.
- Additional DMX control cabling: For initial control runs leading to the Terra Drum cabling, these are recommended:
 - Indoor exposed or inside conduit above grade: Belden 9842
 - Indoor plenum: Belden 82842
 - Outdoor exposed, direct burial, or inside conduit below grade: Belden 3107DB
- Please consult and adhere to all relevant local codes.
- The next page provides details about maximum run lengths for Terra Drum installations. It should be noted that those limits are imposed only by the power characteristics. Acclaim Lighting recommends a maximum DMX / RDM control run length to the first Terra Drum fixture of no longer than 1,500' (457m) without buffering.

Power and control wiring

Terra Drums can be fed directly from a suitably protected mains supply (100 to 277VAC 50/60Hz) to provide run lengths up to 400' (122m). Using a mixture of direct connections, link cables and a feed cable, the required fixture spacings can be easily achieved. Cables can be mated either in the conduit (via Acclaim Lighting NEC-compliant cables) or inside the in-grade sleeve. The final fixture **must** be terminated using the end cap terminator that is included with each feed cable.



PROJECT

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Run lengths

Maximum number of fixtures within a single run

	Power draw	100/120VAC supply	230/277VAC supply
EO	15W per fixture	32 fixtures	32 fixtures
SO	30W per fixture	32 fixtures	32 fixtures
HO	60W per fixture	20 fixtures	32 fixtures

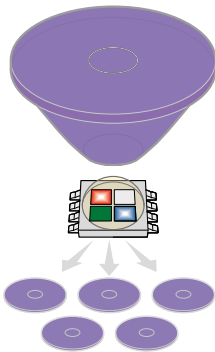
Maximum overall length of a single run (fixtures + all cabling)

	100/120VAC supply	230/277VAC supply
All models	200' (61m)	400' (122m)

(Note: All fixtures in a run will be controlled within a single DMX universe)

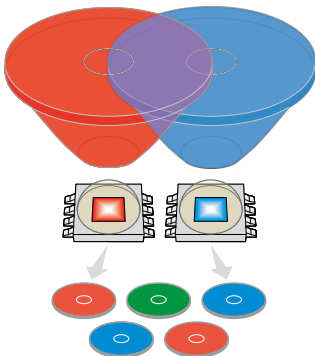
Color mixing emitters

Since 2003, Acclaim Lighting has created fixtures using advanced LED emitters and lenses. We use two main emitter strategies to achieve high quality RGBW (plus RGBA and DW) color mixing: Using arrays of either multi-color emitters or single-color emitters. All Terra Series products use multi-color emitters for **Spectrum Four** color mixing.



Multi-color emitters

Each emitter has its own array of red, green, blue and white diodes. The resulting homogenized output allows for precise color mixing at the lens rather than above it. All Terra Series products use this method for color mixing.



Single-color emitters

Separate red, green, blue and white emitters are mixed across the fixture face and can achieve narrower beam angles. This method is employed in other Acclaim Lighting products but is not utilized in the Terra Series.

For full installation details, please refer to the **user guide**, available for free download here: