

PROJECT

FIRM

ORDER #

TYPE

QTY



The largest of the Unity range, **Unity H1™** delivers high levels of flexibility, performance and refinement to exterior illumination thanks to its advanced **Spectrum Five** light engine and large aperture Fresnel lens. In addition to incredibly saturated RGBAL color mixing, Unity H1 provides a specially calibrated control channel with which you can instantly call up any temperature of white - from 1800K to 8000K.

External control using DMX-512A is supported through cable connection or via the built-in Aria™ wireless receiver. A clear daylight-readable OLED touch-screen user display provides access to a comprehensive configuration menu system. In wired installations, RDM (Remote Device Management) can be used to configure numerous key settings without need to visit each fixture.



At a glance

Optics

10° x 10°, 10° x 60°
20° x 20°, 30° x 30°, 30° x 60°
40° x 40°, 50° x 50°
80° x 80°
100° x 100°

10° x 10° is the native beam.

Emitters

RGBAL plus CCT Select

Size

12.28" (312mm) x 11.3" (287mm) x 16.18" (411mm)

Power

100 to 277VAC
50/60Hz

Temperature

-40° F to 125° F
-40° C to 51° C

Protection

Ingress: IP66
Impact: IK07
Vibration: 3G

Output

Up to 11,639 lumens and 91 CRI

Core technologies

SpectrumFive technology, ColorSync digital calibration technology, OutdoorLink system, AcclaimModular systems, aria wireless

Configure your product

UNA-2 -A RN

Example final code: **UNA-241-AERN**



Finish color:
1 = Black (RAL 9005)
2 = White (RAL 9003)
4 = Gray (RAL 7047)
7 = Custom* (RAL #)

Finish type:
1 = Standard finish
2 = Marine coat finish

Optics:
D = 10° x 10° (native)
P = 10° x 60°
C = 20° x 20°
E = 30° x 30°
Q = 30° x 60°
F = 40° x 40°
K = 50° x 50°
L = 80° x 80°
O = 100° x 100°

* indicates special order items, which may require longer lead times

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Specifications

Emitters	Spectrum Five light engine: Red, Green, Blue, Amber, Lime plus CCT select: 1800K to 8000K
Optics	10° native. 10° x 60°, 20° x 20°, 30° x 30°, 30° x 60°, 40° x 40°, 50° x 50°, 80° x 80°, 100° x 100°
Output	Up to 11,639 lumens and 91 CRI
Lumen maintenance	L ₇₀ 100,000 hours (@ 25° C)
Control	0-100% dimming via wired DMX (with RDM configuration) plus built-in Aria™ Wireless System
Maximum fixtures in series	32 via wired DMX. Power local to each fixture or use Acclaim's Outdoor Link System - see page 10
Operating voltage	100-277VAC, 50/60 Hz
Power consumption	330W
Connection	Removable power and control cord (9 feet, 2.7m with bare wire tails) or use Outdoor Link System
Mounting	Surface mount yoke included. Tenon, pipe clamp, pendant and cable mount options available
Effective projected area	1.38 ft ²
Material	Die cast aluminum with a glass lens. Optional marine environment coating available
Finish colors	Gray (RAL 7047), black (RAL 9005), white (RAL 9003) or custom colors (provide RAL #)
Ambient temperature range	-40° F to 125° F (-40° C to 51° C)
Ingress protection	IP66, wet location
Impact protection	IK07, protection against 2 joule impact (40cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Warranty	5 years, limited
Weight	26.9 lbs (12.2 kg)
Dimensions	WxHxD: 12.28" x 16.18" x 11.3" (312 x 411 x 287mm) - see page 9
Certifications	    

Photometrics

For all available IES files, please visit acclaimlighting.com/unity

Color or color temperature	Lumens	Center Candela	Efficacy (l/w)	CRI (Ra)	TM30
2500K	6,712	151,655	26	89.9	87.8
3000K	8,628	196,922	27	91.2	89
4000K	9,035	205,003	28	89	87.4
6000K	9,957	211,622	31	84.4	83.3
Red	1,338	33,562	19	-	-
Green	2,938	78,829	35	-	-
Blue	764	21,134	8	-	-
Amber	5,971	128,031	24	83.5	75.4
Lime	11,639	236,520	37	-	-

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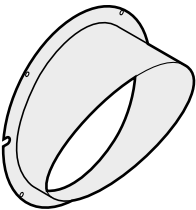
TYPE

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Related components

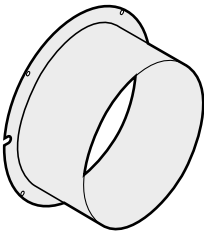
Beam accessories

Half snoots



- Gray
Black
White
Custom*
- UNAHSG
UNAHSB
UNAHSW
UNAHSC

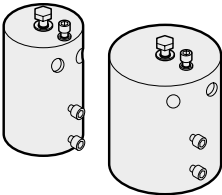
Full snoots



- Gray
Black
White
Custom*
- UNAFSG
UNAFSB
UNAFSW
UNAFSC

Mounting accessories

Tenon mounts

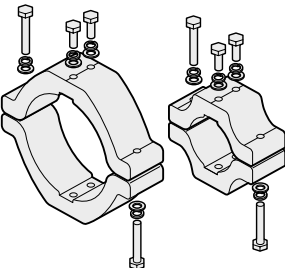


For use with Schedule 40 pipe: 2.51" (56mm) and 4.13" (105mm) inner diameters respectively

- Gray
Black
White
Custom*
- 2" pole
TM2G
TM2B
TM2W
TM2C

4" pole
TM4G
TM4B
TM4W
TM4C

Pipe clamps

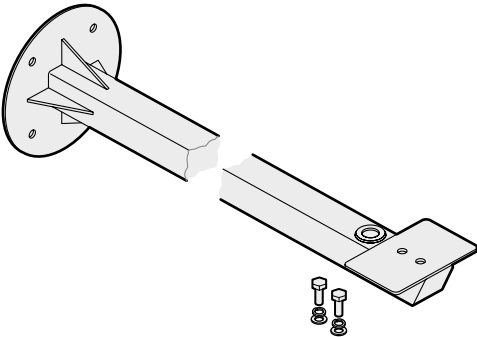


For use with Schedule 40 pipe: to mount 1 fixture

- Polished aluminum
- 2" pipe
PC2

4" pipe
PC4

Extender arms



Fixture bolts and washers plus cable access seal included

- Gray
Black
White
Custom*
- 1'
OFLEB1G
OFLEB1B
OFLEB1W
OFLEB1C

2'
OFLEB2G
OFLEB2B
OFLEB2W
OFLEB2C

3'
OFLEB3G
OFLEB3B
OFLEB3W
OFLEB3C

*RAL # also required



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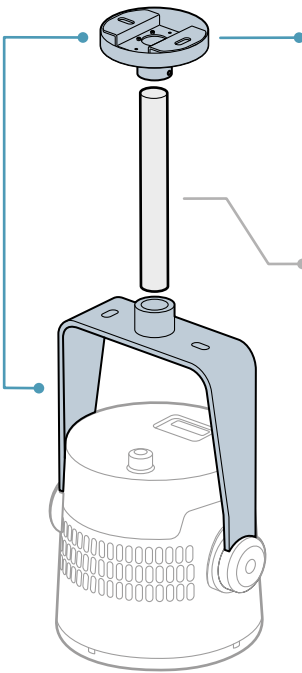
ORDER #

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Related components

Mounting accessories (continued)

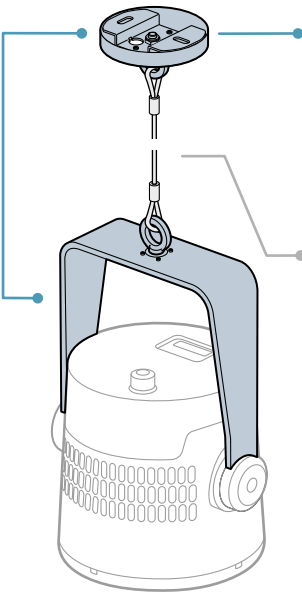


Pendant mount set
Includes ceiling mount and replacement fixture yoke. NPS pipe required (see below).
Gray **UNAPMSG**
Black **UNAPMSB**
White **UNAPMSW**
Custom* **UNAPMSC**

NPS pipe
One length required to accompany a pendant mount set (1" NPS, OD=1.315").

	12"	24"	36"
Gray	UNANPS1-12G	UNANPS1-24G	UNANPS1-36G
Black	UNANPS1-12B	UNANPS1-24B	UNANPS1-36B
White	UNANPS1-12W	UNANPS1-24W	UNANPS1-36W
Custom*	UNANPS1-12C	UNANPS1-24C	UNANPS1-36C

* RAL # also required



Aircraft cable mount set
Includes ceiling mount and replacement fixture yoke. Steel cable required (see below).
Gray **UNAAMSG**
Black **UNAAMSB**
White **UNAAMSW**
Custom* **UNAAMSC**

Steel cable
One length required to accompany an aircraft cable mount set.

	2'	5'	10'
Gray	UNAAC2G	UNAAC5G	UNAAC10G
Black	UNAAC2B	UNAAC5B	UNAAC10B
White	UNAAC2W	UNAAC5W	UNAAC10W
Custom*	UNAAC2C	UNAAC5C	UNAAC10C

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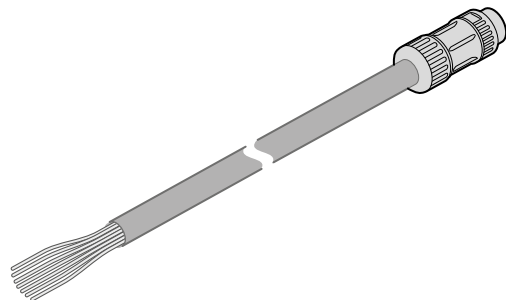
TYPE

QTY

Related components

Outdoor Linking System - See also pages 9 and 10

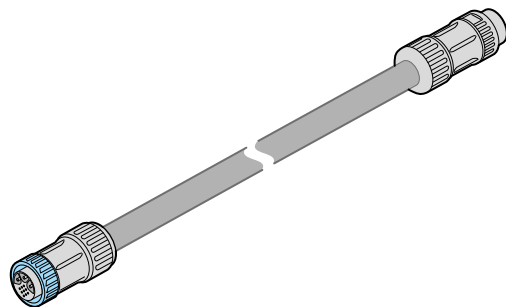
Feed cables



1' (30cm)	OLSF1#-V2
5' (1.5m)	OLSF5#-V2
10' (3m)	OLSF10#-V2
25' (7.6m)	OLSF25#-V2
50' (15.2m)	OLSF50#-V2

= color: G-Gray, B-Black, W-White, C-Custom (RAL# required)

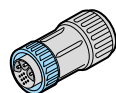
Link cables



1' (30cm)	OLSL1#-V2
5' (1.5m)	OLSL5#-V2
10' (3m)	OLSL10#-V2
25' (7.6m)	OLSL25#-V2
50' (15.2m)	OLSL50#-V2

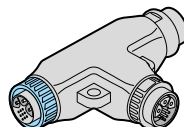
= color: G-Gray, B-Black, W-White, C-Custom (RAL# required)

End cap with DMX termination



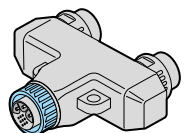
Part#	OLSEC-B	Black
	OLSEC-W	White

T-junction



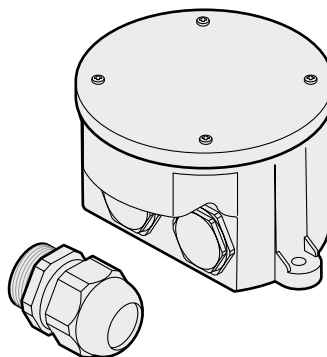
Part#	OLST2-B	Black
	OLST2-W	White

Y-junction



Part#	OLSY2-B	Black
	OLSY2-W	White

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 OLSF#
 Built-in AC surge protection up to 10kV & 10kA



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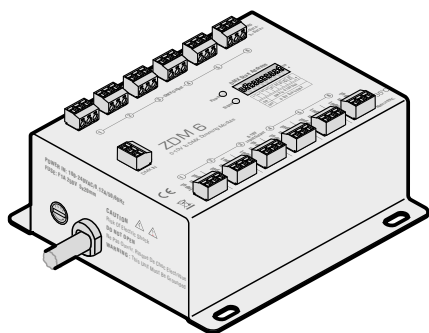
ORDER #

TYPE

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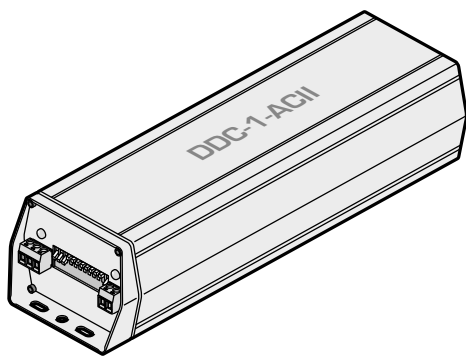
Related components

Signal converters (see page 11)



Multi-channel (0-10V) converter

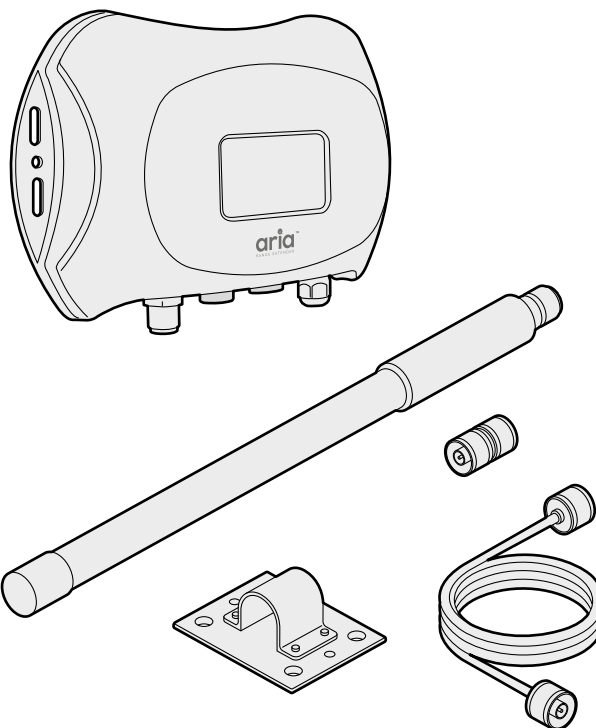
ZDM6



DALI multiple channel converter

DDC1AC

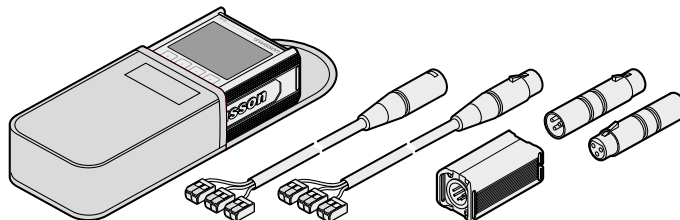
Wireless DMX transceiver



Wireless transceiver with antenna, cable, adapter and antenna bracket

ARIA WDS

Test and configuration tool kit



XMT-500

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

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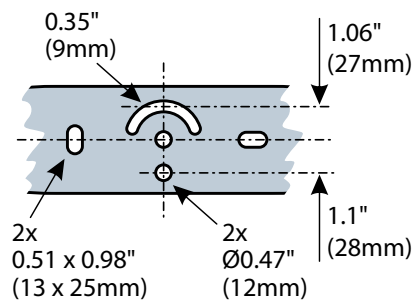
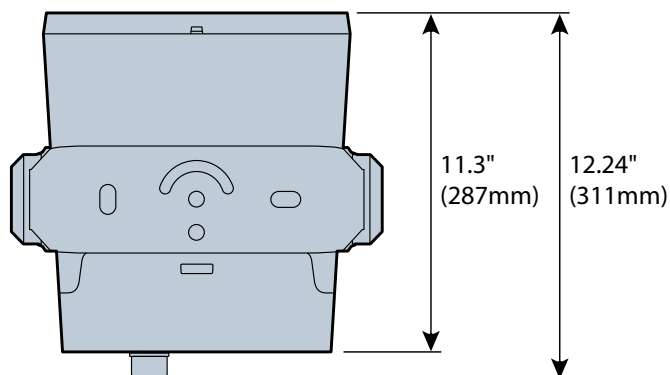
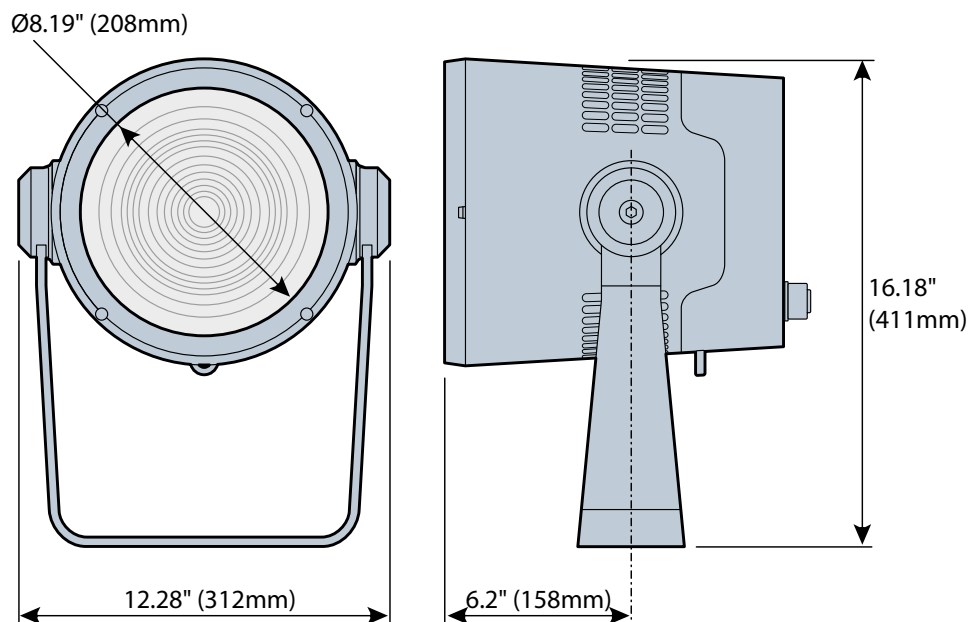
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Dimensions



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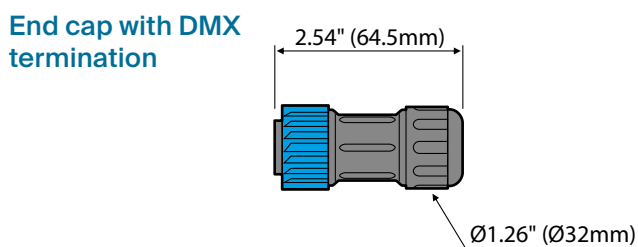
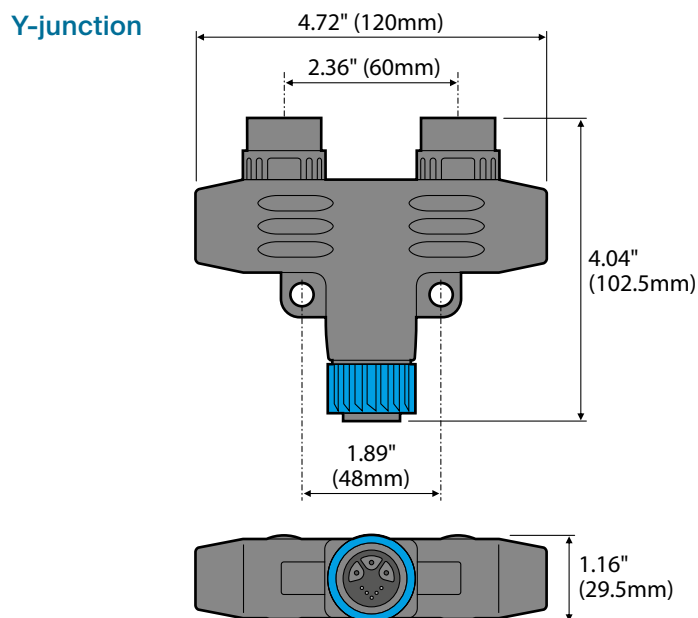
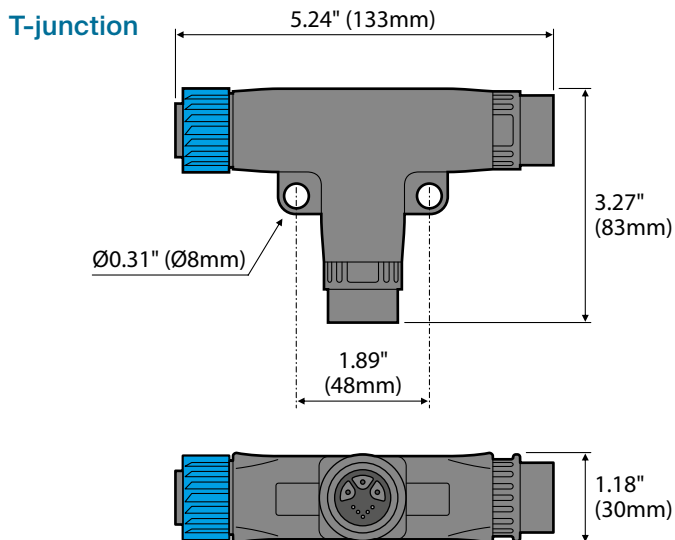
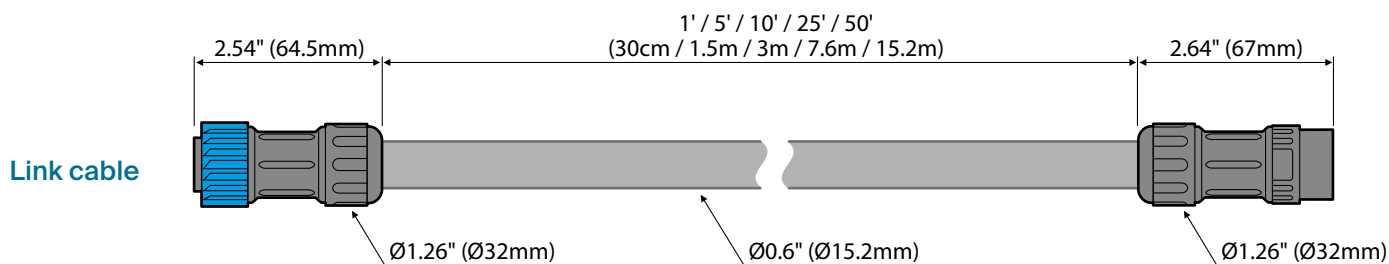
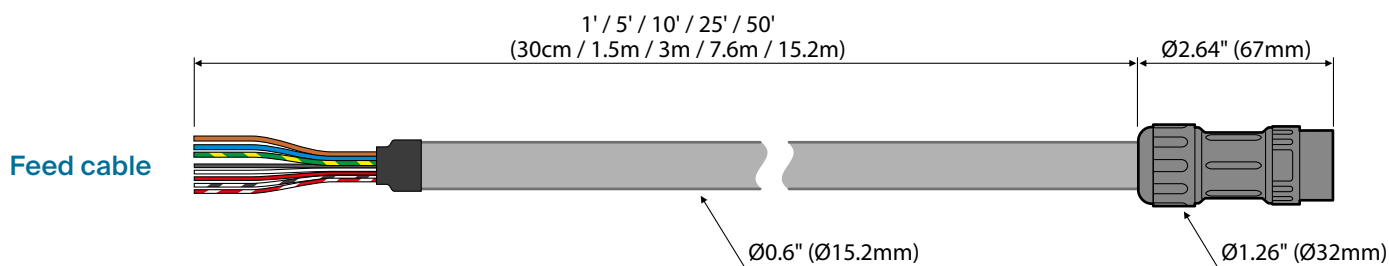
FIRM

ORDER #

TYPE

QTY

Dimensions



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ORDER #

TYPE

QTY

OLS connectors

The Outdoor Link System uses matching IP67-rated connectors throughout, each of which combines AC power and DMX control. A simple color code is used:

- Connectors with blue collars are inputs,
- Connectors with black collars (white option available) are outputs.

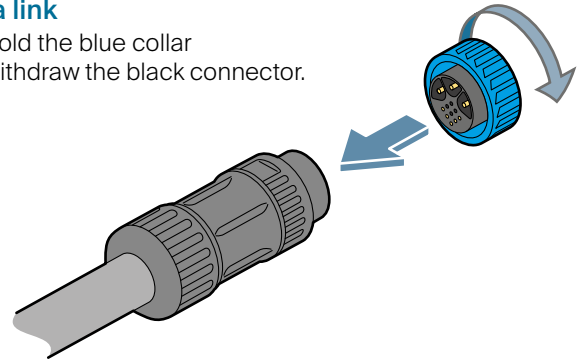
The blue collars form the locking and release mechanism ➡

To make a link

Simply align a black and a blue connector and push them together with a click.

To break a link

Twist and hold the blue collar while you withdraw the black connector.

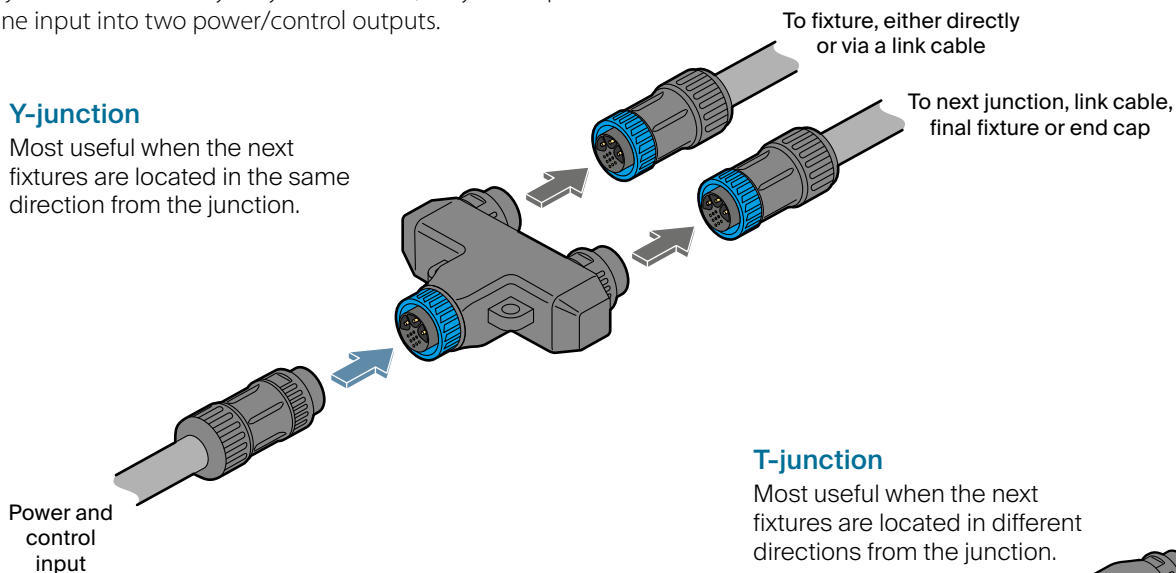


OLS Junctions

Two types of OLS junctions are available: T-junctions and Y-junctions. Electrically they are identical, they both split one input into two power/control outputs.

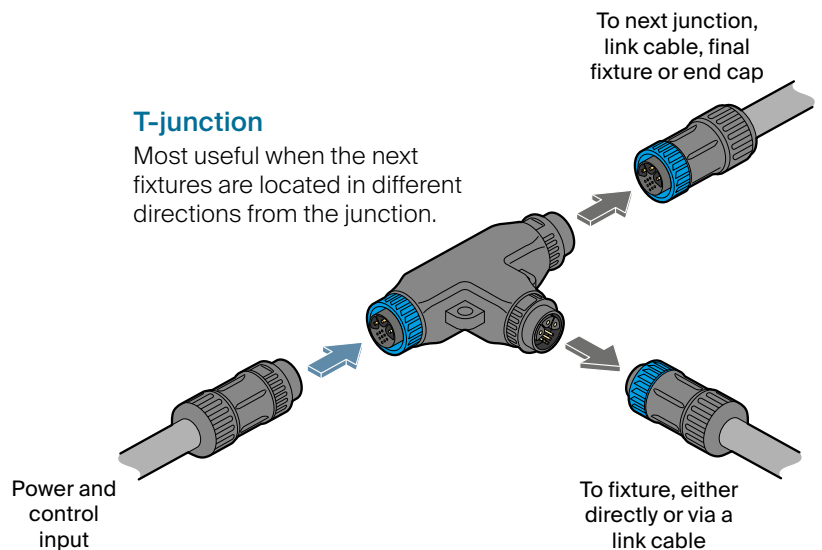
Y-junction

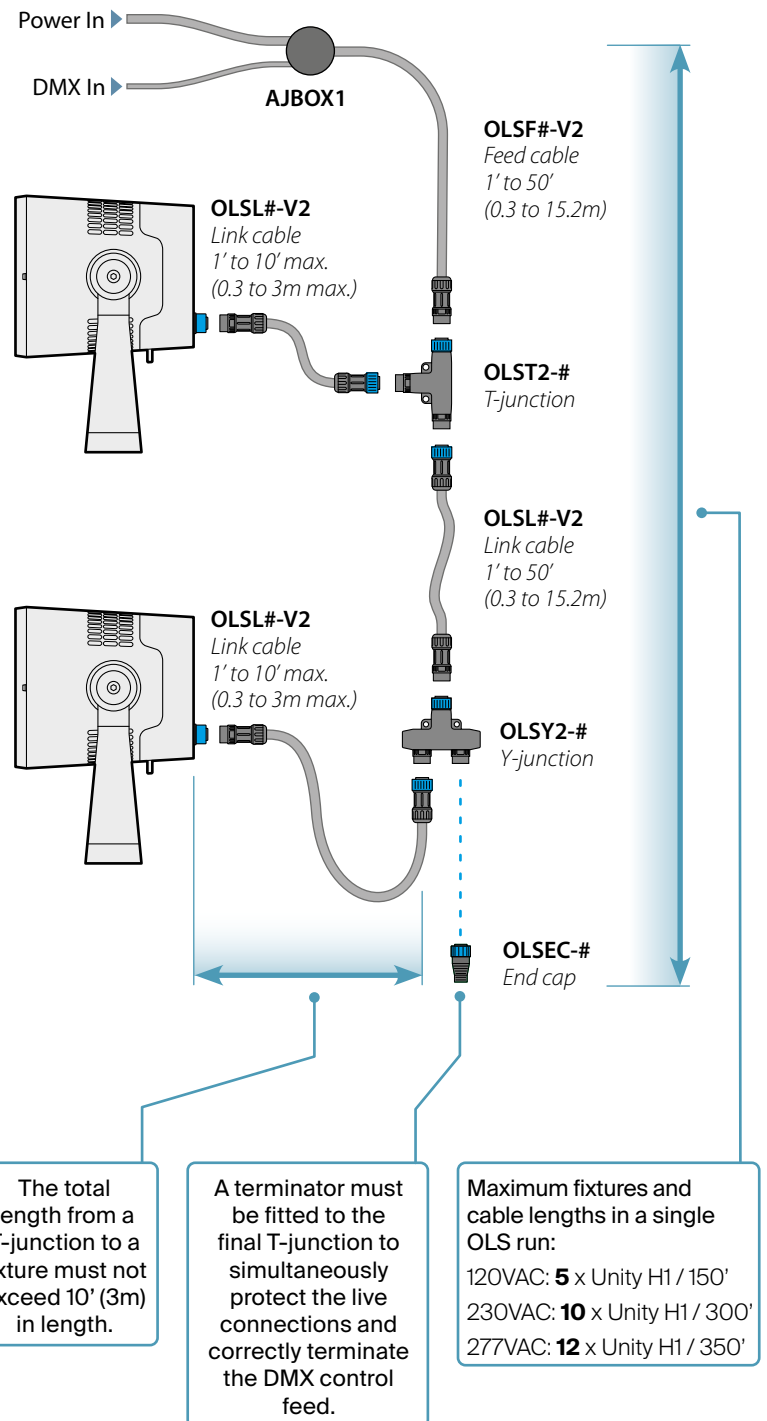
Most useful when the next fixtures are located in the same direction from the junction.



T-junction

Most useful when the next fixtures are located in different directions from the junction.





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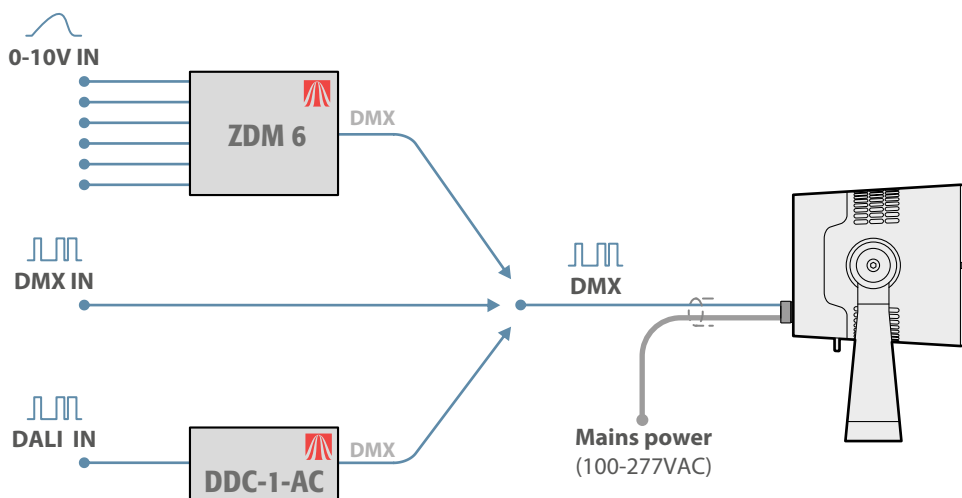
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Alternative control inputs

Unity H1 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

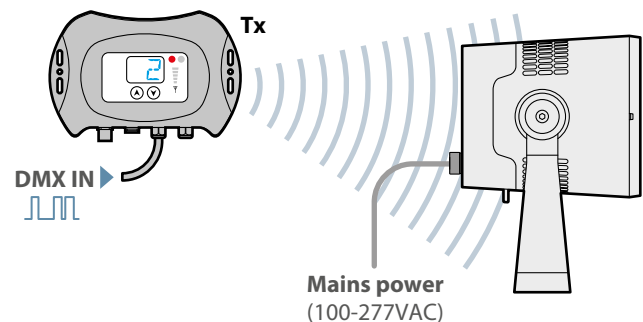
- DMX - connect a DMX input directly to the feed cable.
- 0-10V - use an Acclaim Lighting ZDM 6 to convert one or more analog control feeds into a combined DMX feed.
- DALI - use an Acclaim Lighting DDC-1-AC to convert one or more DALI channels into a combined DMX feed.



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. 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).

Wireless DMX control

Each Unity H1 fixture contains an Aria wireless DMX receiver as standard, which can greatly simplify the deployment of multiple fixtures in spaces that contain no control wiring infrastructure. A single Aria transmitter can control many Unity H1 fixtures, at distances up to 2600 feet (792m).



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



Behavior if the control signal is lost or not applied

If the DMX control signal 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.