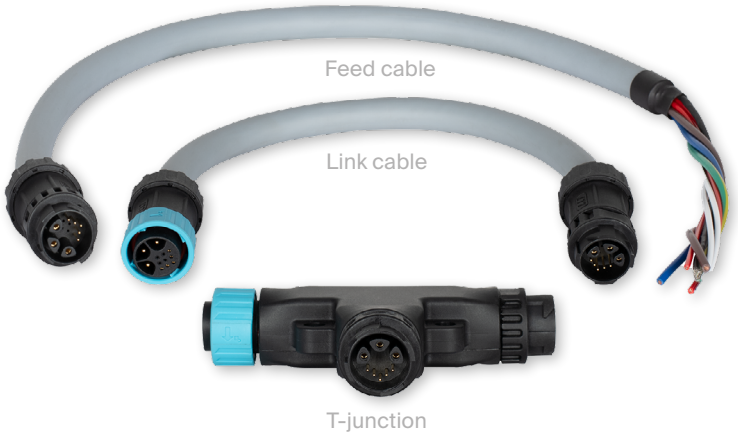
Outdoor Link System™ G2

Acclaim™

PROJECT	FIRM	ORDER #	TYPE	QTY



The Acclaim Lighting **Outdoor Link System™ G2** is a smart solution to the time-consuming challenge of distributing power and control to multiple exterior lighting fixtures. Utilizing fast-fit IP67-rated hybrid connectors and compact junctions, you can rapidly customize your supply to suit any fixture layout.

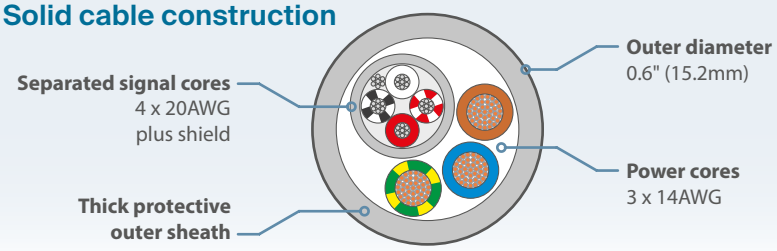
Dyna Drum and Dyna Accent fixtures can be fitted with an OLS connector as an option, while Unity fixtures directly accept OLS link cables as standard.

OLS cables and connectors are fully UV-stabilized, NEC compliant and flame resistant to UL standards 94 V-0 and 1581 VW-1. The DMX signal cores are internally shielded within their own sub-cable and the power cores are rated to 15A.

OutdoorLink system

At a glance

Solid cable construction



Fast-fit IP67 hybrid connectors

AC input

120 to **277**VAC
15A maximum

Maximum power

120VAC **1,800W**
230VAC **3,450W**
277VAC **4,155W**

Maximum run lengths

120VAC **150' (45m)**
230VAC **300' (91m)**
277VAC **350' (106m)**

Temperature

-40° F to **176° F**
-40° C to **80° C**

Protection

Ingress: **IP67**
Flame: **UL 94 V-0**
UL 1581 VW-1

Configure your product

Feed and link cables

OLS **-V2**

Cable type:
F = Feed cable
L = Link cable

Length:
1 = 1' (30cm)
5 = 5' (1.5m)
10 = 10' (3m)
25 = 25' (7.6m)
50 = 50' (15.2m)

Color:
G = Gray
B = Black
W = White
C = Custom

Junctions and end caps

OLS **-**

Type:
T2 = T-junction
Y2 = Y-junction
EC = End cap

Color:
B = Black
W = White

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Specifications

Maximum input voltage	305 VAC
Maximum total current	15A
Maximum line power	120VAC: **1,800W**, 230VAC: **3,450W**, 277VAC: **4,155W**
Maximum run length	120VAC: **150' (45m)**, 230VAC: **300' (91m)**, 277VAC: **350' (106m)**
Surge voltage	1000V
Cable shaping	Minimum bend radius: 4" (101mm)
Cable/connector design	NEC compliant: physical separation of power and low voltage signal conductors
Power conductors	3 x 14 AWG
Signal conductors	4 x 20 AWG plus shield
Ingress protection	IP67, wet location
Flame resistance	UL 94 V-0 and UL 1581 VW-1
Operating temperature range	-40° F to 176° F (-40° C to 80° C)
Connectors	8-pin push-lock with IP67-rated seal
Warranty	5 years, limited
Dimensions	*See page 6*
Certifications	Intertek CE

Fixtures on a single OLS run

Fixture type		Maximum power	Number of fixtures @ 120VAC	Number of fixtures @ 230VAC	Number of fixtures @ 277VAC
Dyna Accent	Mini	13W	32	32	32
	White	40W	32	32	32
	Color	41W	32	32	32
Dyna Drum EO	White	62W	29	32	32
	SCS	55W	32	32	32
	Quad	72W	25	32	32
Dyna Drum SO	White	135W	13	25	30
	SCS	150W	12	23	27
	Quad	150W	12	23	27
Dyna Drum HO	White	200W	9	17	20
	SCS	230W	7	15	18
	Quad	250W	7	13	16
Unity	S1	160W	11	21	25
	H1	330W	5	10	12

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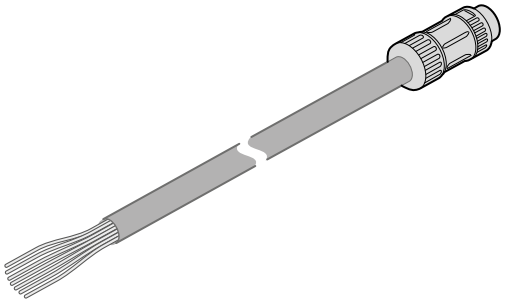
Components

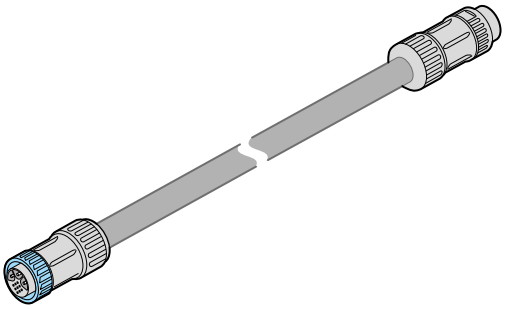
Feed cables



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)

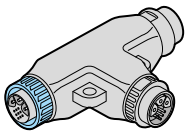
Link cables



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

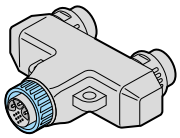
 # = color: G-Gray, B-Black, W-White, C-Custom (RAL# required)

T-junction



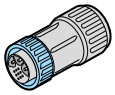
Part#	**OLST2-B**	Black
	OLST2-W	White

Y-junction



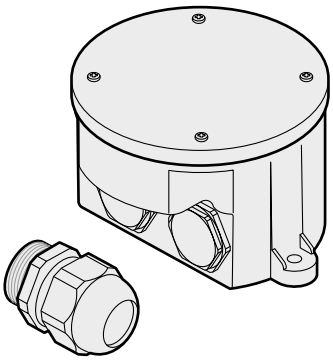
Part#	**OLSY2-B**	Black
	OLSY2-W	White

End cap with DMX termination



Part#	**OLSEC-B**	Black
	OLSEC-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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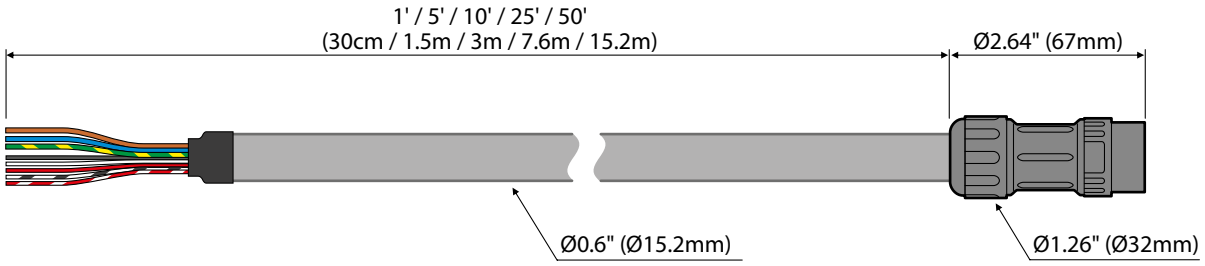
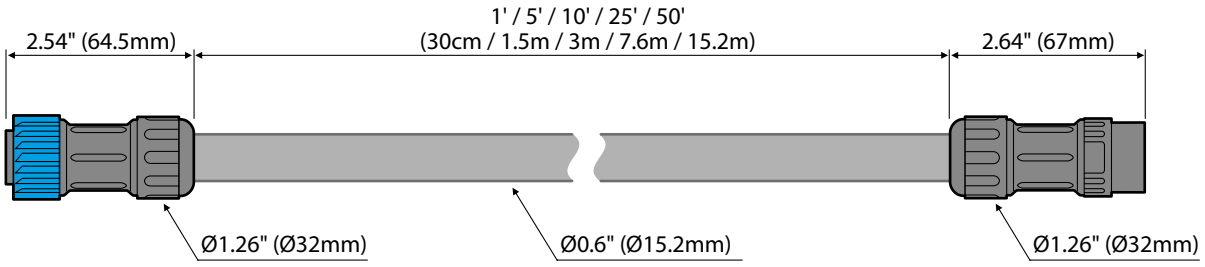
Dimensions

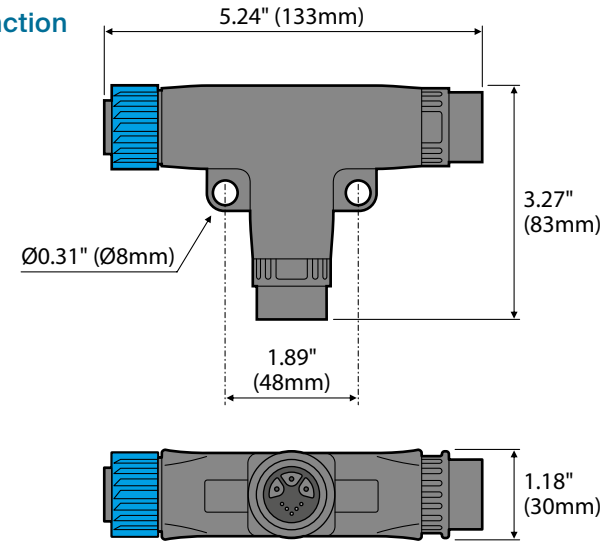
Feed cable



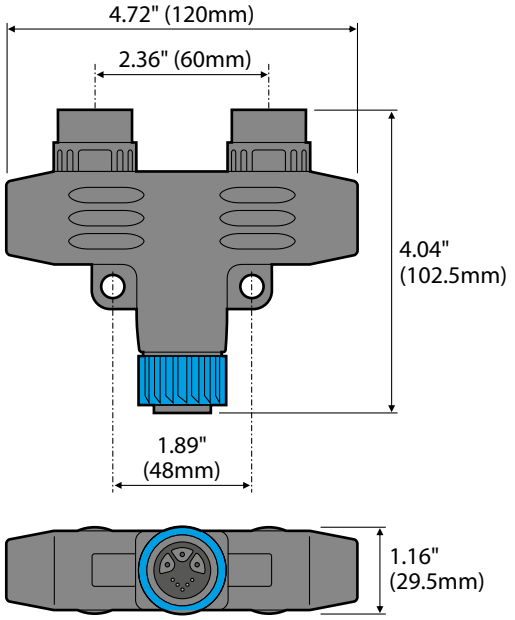
Link cable



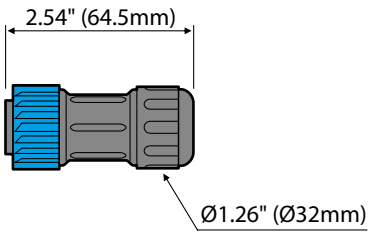
T-junction



Y-junction



End cap with DMX termination



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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.

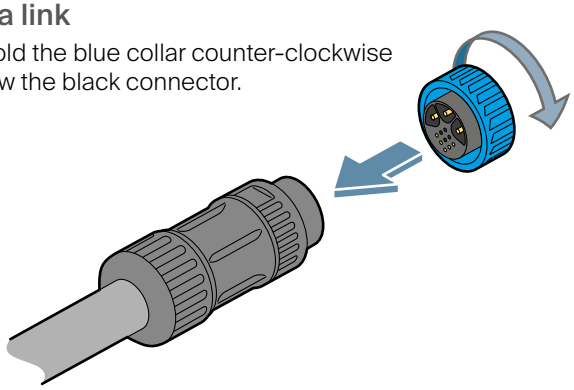
The blue collars form the locking and release mechanism ➲

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 counter-clockwise and withdraw the black connector.

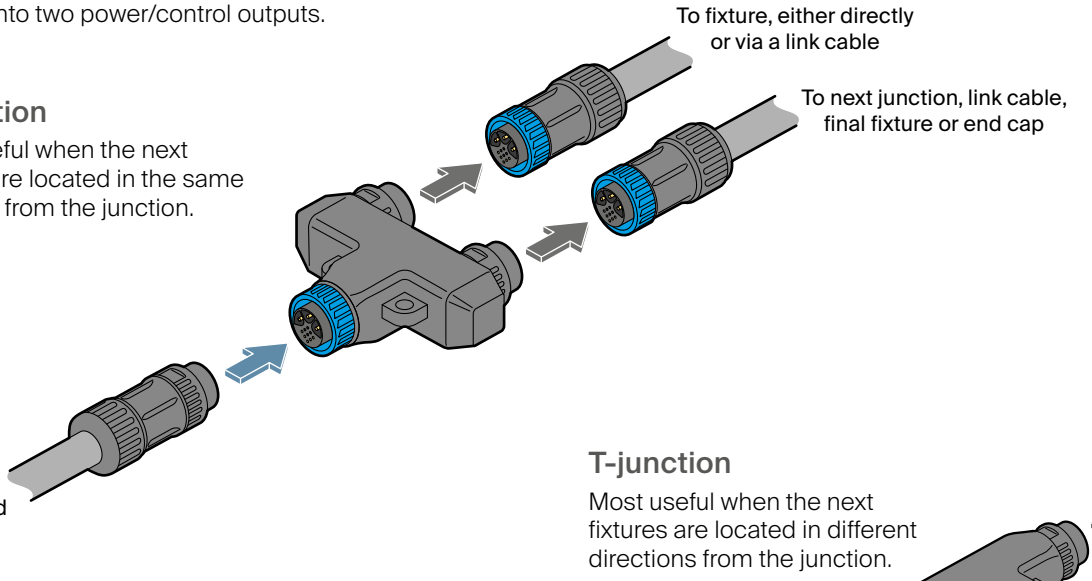


OLS Junctions

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.

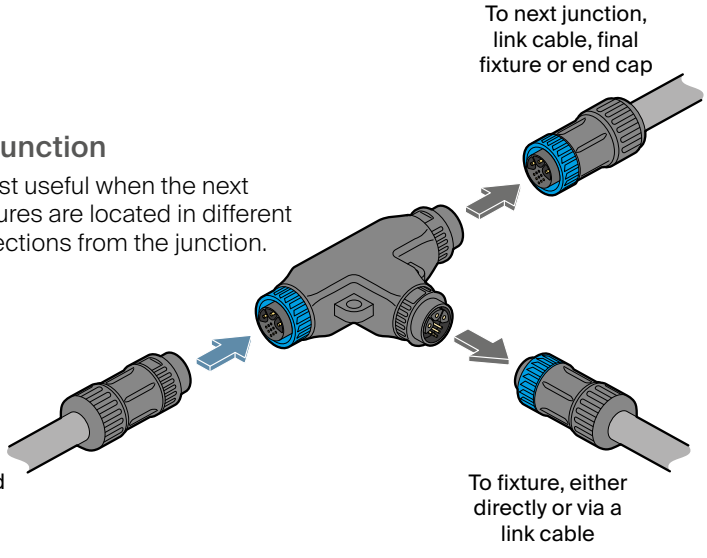
Y-junction

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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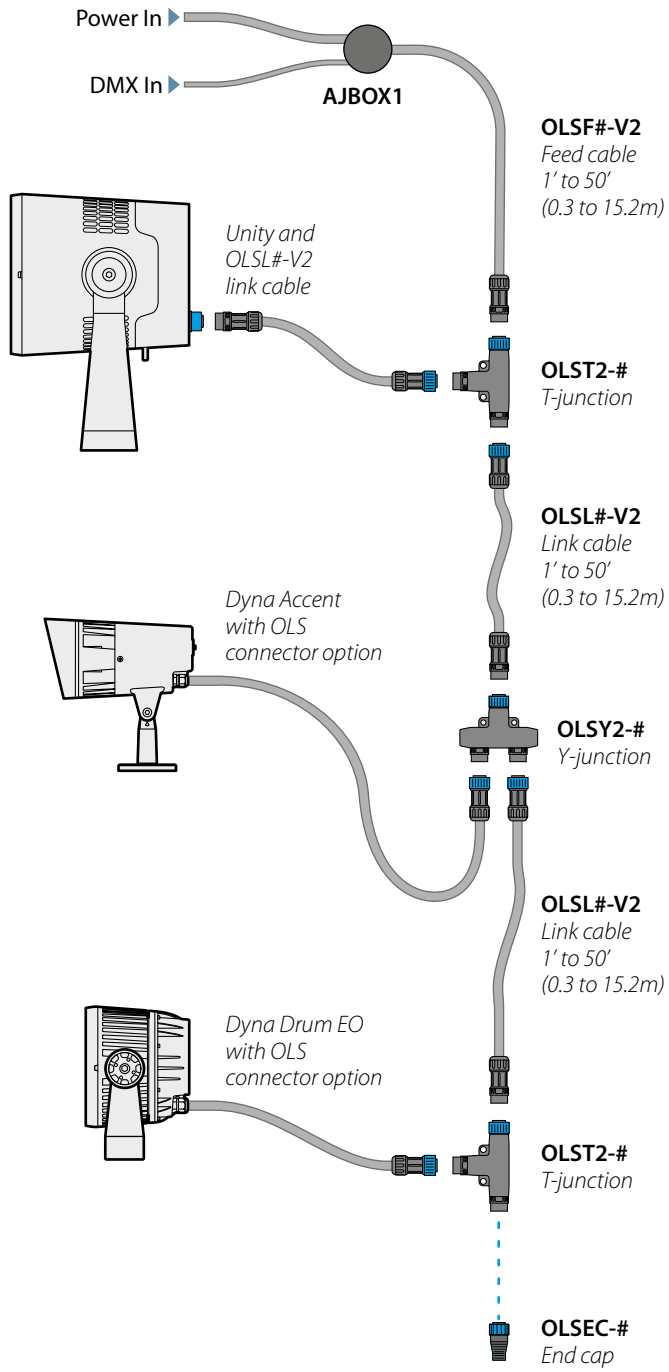
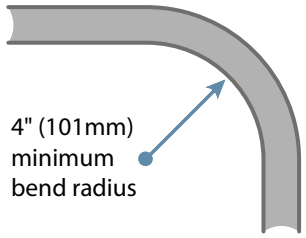
Typical OLS configuration



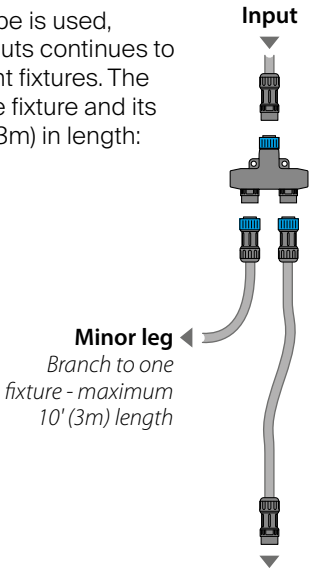
For full installation details, please refer to the **user guide**, available for free download here:

Important notes

- OLS connectors are not rated for live connection and disconnection. Ensure that power is isolated before making or breaking any links.
- At the end of an OLS run there must be no open connectors remaining. If a fixture is not fitted to the final OLS connector, you must install an end cap (see below also).
- OLS Gen 2 connectors are fully compatible with OLS Gen 1.
- Ensure the cable is never bent at a radius less than 4" (101mm).



- Regardless of which junction type is used, ensure that only one of the outputs continues to form the main run to subsequent fixtures. The minor leg should run only to one fixture and its link cable must not exceed 10' (3m) in length:



- At the end of a run you can either terminate it using an end cap; or attach a single fixture to the final link cable; or use either type of junction and attach a fixture to each of its outputs: