UNITY™

ACCLAIM LIGHTING

PROJECT	FIRM	ORDER #	TYPE	QTY

Unity™ brings new 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 provides a specially calibrated control channel with which you can instantly call up any temperature of white - from 2500K 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.

QUICK SHIP

AT A GLANCE

Beams

10° x 10°, 10° x 60°
30° x 30°, 30° x 60°
50° x 50°
70° x 70°
100° x 100°

10° x 10° is the native beam. Others require optional spread lenses.

Emitters

RGBAL *plus* **CCT Select**

2500K   8000K

Size

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

Power

100 to 277VAC 50/60Hz

Protection

Ingress: **IP66**
Impact: **IK07**
Vibration: **3G**

Output

Up to **11,639** lumens and **91** CRI

Finish color

Gray RAL 7047
White RAL 9003
Black RAL 9005
Custom *Provide RAL*

Core technologies

SPECTRUMFIVE TECHNOLOGY
COLORSYNC DIGITAL CALIBRATION TECHNOLOGY
OUTDOORLINK SYSTEM
ACCLAIMMODULAR SYSTEMS
aria WIRELESS DMX

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 (Provide RAL #)

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

Beams:
D = 10º x 10º *(native)*
E = 30º x 30º
H = 50º x 50º
J = 70º x 70º
O = 100º x 100º
P = 10º x 60º
Q = 30º x 60º

SCAN FOR PRODUCT PAGE

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SPECIFICATIONS

Emitters	**Spectrum Five** light engine: Red, Green, Blue, Amber, Lime plus CCT select: 2500K to 8000K
Beam angles	10° native. 30° x 30°, 50° x 50°, 70° x 70°, 100° x 100°, 10° x 60°, 30° x 60° spread lenses
Output	Up to 11,639 lumens and 91 CRI
Lumen maintenance	L_{70} 100,000 hours (@ 25º 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 7*
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 ft²
Material	Die cast aluminum with a glass lens. Optional marine environment coating available
Finish colors	Gray standard (RAL 7047), black (RAL 9005), white (RAL 9003) or custom colors (provide RAL #)
Ambient temperature range	-40º F to 125º F (-40º C to 51º 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	**W**x**H**x**D**: 12.28" x 16.18" x 11.3" (312 x 411 x 287mm) - *see page 6*
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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RELATED COMPONENTS

Beam accessories

Half snoots
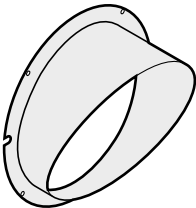
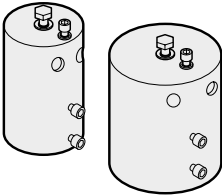|	
Gray	**UNAHSG**
Black	**UNAHSB**
White	**UNAHSW**
Custom*	**UNAHSC**

Full snoots
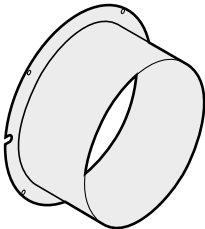
|	
Gray	**UNAFSG**
Black	**UNAFSB**
White	**UNAFSW**
Custom*	**UNAFSC**

Mounting accessories

Tenon mounts

For use with Schedule 40 pipe: 2.51″ and 4.13″ inner diameter respectively

	2″ pole	4″ pole
Gray	**TM2G**	**TM4G**
Black	**TM2B**	**TM4B**
White	**TM2W**	**TM4W**
Custom*	**TM2C**	**TM4C**

Pipe clamps

For use with Schedule 40 pipe: 2.51″ and 4.13″ inner diameter respectively

	2″ pipe	4″ pipe
Polished aluminum	**PC2**	**PC4**

Extender arms
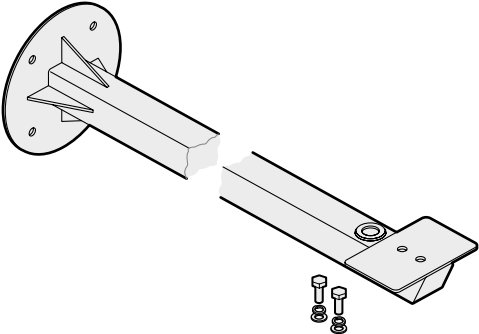
Fixture bolts and washers plus cable access seal included

	1′	2′	3′
Gray	**OFLEB1G**	**OFLEB2G**	**OFLEB3G**
Black	**OFLEB1B**	**OFLEB2B**	**OFLEB3B**
White	**OFLEB1W**	**OFLEB2W**	**OFLEB3W**
Custom*	**OFLEB1C**	**OFLEB2C**	**OFLEB3C**

* RAL # also required
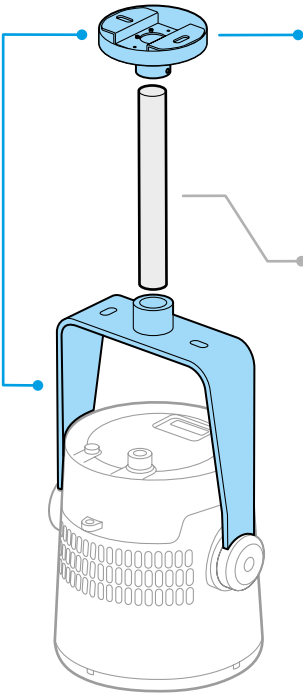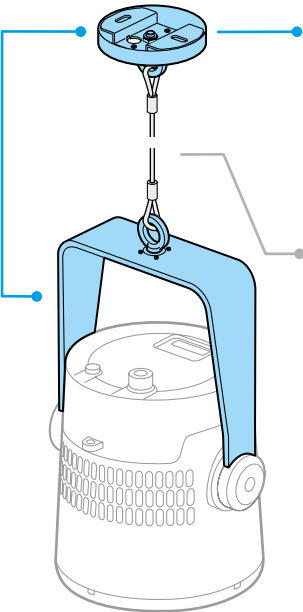
Mounting accessories (continued)

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. Stainless steel cable required (see below).

Gray	**UNAAMSG**
Black	**UNAAMSB**
White	**UNAAMSW**
Custom*	**UNAAMSC**

Stainless steel cable

One length required to accompany an aircraft cable mount set.

2'	5'	10'
UNAAC2	**UNAAC5**	**UNAAC10**

SCAN FOR PRODUCT PAGE

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Outdoor Linking System part codes
See also page 7

T-junction
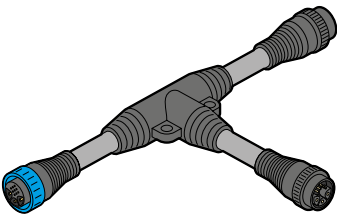
T-junction   **OLST**

Feed cables
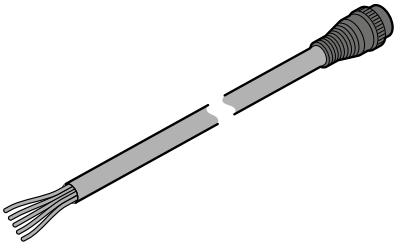
1' (30cm)   **OLSF1**
5' (1.5m)   **OLSF5**
10' (3m)   **OLSF10**
25' (7.6m)   **OLSF25**
50' (15.2m)   **OLSF50**

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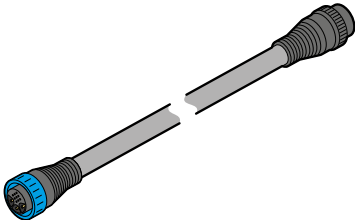
1' (30cm)   **OLSL1**
5' (1.5m)   **OLSL5**
10' (3m)   **OLSL10**
25' (7.6m)   **OLSL25**
50' (15.2m)   **OLSL50**

Terminator

Terminator   **OLSEC**

IP66 junction box
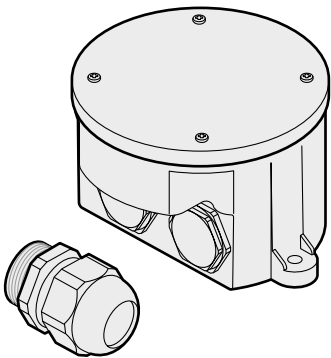
Plus outlet cable gland
AJBOX1

UNITY™

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DIMENSIONS

Ø8.19" (208mm)

12.28" (312mm)

16.18" (411mm)

6.2" (158mm)

11.3" (287mm)

12.24" (311mm)

0.35" (9mm)

1.06" (27mm)

1.1" (28mm)

2x 0.51 x 0.98" (13 x 25mm)

2x Ø0.47" (12mm)
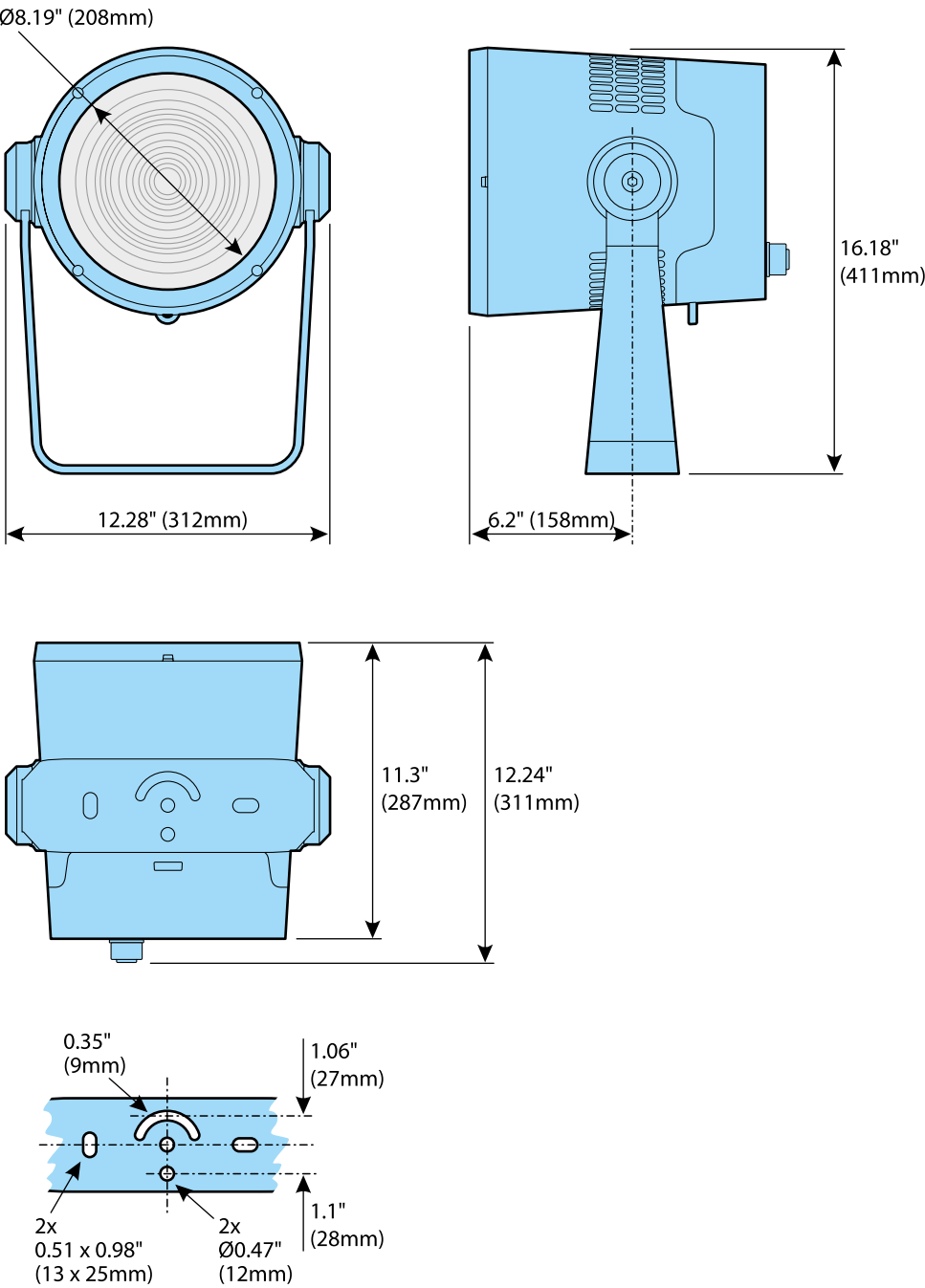
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POWER AND CONTROL WIRING

The supplied combined power and control cord (roughly 9 feet, 2.7m in length and with bare wire tails) attaches to the rear of the fixture via an IP66-rated composite connector. If you need to connect Unity to an Outdoor Link System configuration, use an optional OLS Link Cable (see right) in place of the included bare wire feed cable.
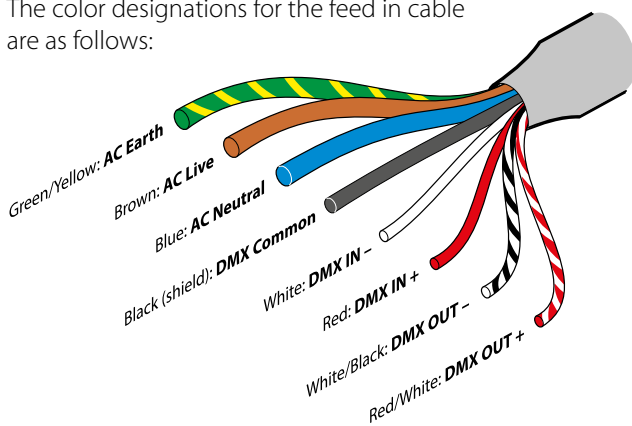
The color designations for the feed in cable are as follows:

Green/Yellow: **AC Earth**
Brown: **AC Live**
Blue: **AC Neutral**
Black (shield): **DMX Common**
White: **DMX IN −**
Red: **DMX IN +**
White/Black: **DMX OUT −**
Red/White: **DMX OUT +**

Control wiring

DMX cable recommendations:

- Indoor exposed or in conduit above grade: *Belden 9842*
- Indoor plenum: *Belden 82842*
- Outdoor exposed, direct burial, or inside conduit below grade: *Belden 3107DB*

Alternatives must meet **all** of the following requirements:

- **Construction** Shielded, twisted pair (or multi-pair).
- **Impedance** Between 90 and 120Ω.
- **Capacitance** 15pF or less.

Power

The fixture power requirements are as follows:

- Voltage: 100-277VAC 50/60Hz
- Power: 330W

Note: Acclaim recommends taking proper precautions for external surge protection, as control and power electronics can be damaged by major events. Ensure that the mains power is supplied from a suitably protected source and initial connections are made within IP rated enclosures. Acclaim recommends Belden 9842 or approved equivalent for all DMX wiring applications.

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

TYPICAL OLS CONFIGURATION

Unity fixtures are directly compatible with the Outdoor Link System. OLS greatly simplifies the task of distributing power and control to multiple fixtures:

OUTDOORLINK
SYSTEM

Power In ▶
DMX In ▶
AJBOX1

OLSF#
Feed cable
1' to 50'
(0.3 to 15.2m)

OLSL#
Link cable
1' to 10' max.
(0.3 to 3m max.)

OLST
T-junction

OLSL#
Link cable
1' to 50'
(0.3 to 15.2m)

OLSL#
Link cable
1' to 10' max.
(0.3 to 3m max.)

OLST
T-junction

OLSEC
Terminator

The total length from a T-junction to a fixture must not exceed 10' (3m) in length.

A terminator must be fitted to the final T-junction to simultaneously protect the live connections and correctly terminate the DMX control feed.

Maximum fixtures and cable lengths in a single OLS run:

120VAC: **5** x Unity / 150'
230VAC: **10** x Unity / 300'
277VAC: **12** x Unity / 350'