

FLOOD ONE EO COLOR™

ACCLAIM
LIGHTING

PROJECT

FIRM

ORDER #

TYPE

QTY



Flood One EO Color™ are tough, compact fixtures that are more than capable of weathering the most extreme conditions. Their low power consumption belies their impressively bright output. Available with a good selection of RGBW emitter choices plus beam shaping and mounting options, their uses are wide ranging.

Four-channel control is achieved using the industry standard DMX-512A format, with RDM for configuration. The internal auto-sensing power supply within each unit can accept mains inputs between 100 to 277VAC at 50 or 60Hz and total power consumption is just 65W.

Flood One EO Color fixtures are fulfilled through our **Acclaim Modular** system in Los Angeles to ensure industry-leading delivery times.



AT A GLANCE

Optics

- 10° x 10°, 10° x 60°
- 20° x 20°
- 40° x 40°
- 70° x 70°
- 90° x 90°

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

Emitters

RGBW (W=3000K) or RGBW (W=4000K) or RGBW (W=6000K)

Finish colors

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

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 **2,560** lumens

Control

DMX (RDM)

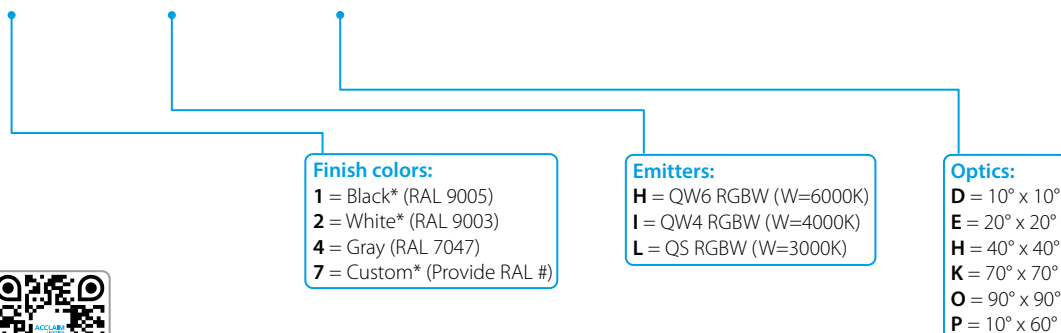
Core technology

ACCLAIM MODULAR SYSTEMS

CONFIGURE YOUR PRODUCT

FOC -FCC -FBO

Example final code: **FOC4-FCCL-FBOD**



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



acclaimlighting.com

Specifications subject to change without notice / June 2023

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SPECIFICATIONS

Emitters	QS: RGBW (W=3000K), QW4: RGBW (W=4000K), QW6: RGBW (W=6000K)
Optics	10° standard, 20°, 40°, 70°, 90° or 10°x 90° spread lens options
Output	Up to 2,560 lumens, 41,475 center candela
Lumen maintenance	L ₇₀ 150,000 hours (@ 25° C)
Control	0-100% dimming via wired DMX (with RDM configuration)
Operating voltage	100 to 277VAC, 50/60Hz
Power consumption	65W
Connection	Attached, separate 6.5' (2m) IP66-rated power and control cables - see page 7
Mounting	Surface mount yoke included. Pipe clamp and tenon mount options available
Material	Die cast aluminum with a glass lens. Optional marine environment coating available
Finish	Gray standard (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	11 lbs (5kg)
Dimensions	LxWxH: 13.07" x 3.86" x 7.01" (332 x 98 x 178mm) - see page 5
Certifications	    

PHOTOMETRICS

For all available IES files, please visit acclaimlighting.com/flood-one-eo-color

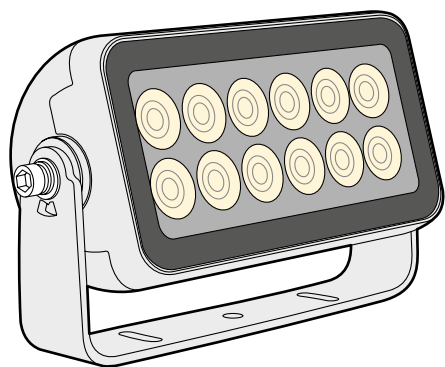
Color temperature	Lumens	Center Candela	Efficacy (lm/W)	CRI (Ra)	TM30
QS 10°	2,560	41,475	39	83.8	84.8
QW4 10°	2,378	37,699	40	78.7	81.1
QW6 10°	2,330	39,394	37	72.8	71.8

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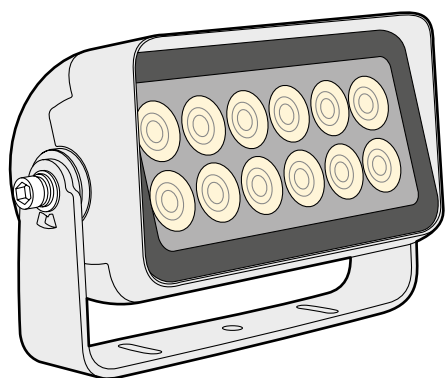
RELATED COMPONENTS

Beam shaping options

(Snoots are factory-fit items)

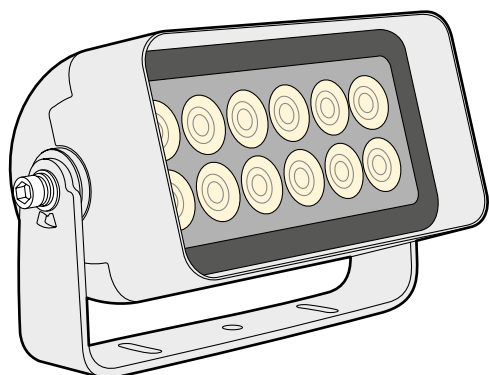


Standard model - no snoot



Half snoot

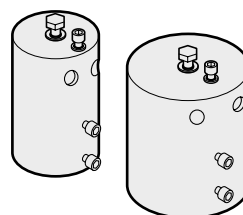
standard model plus **FBHSG**



Full snoot

standard model plus **FBFSG**

Tenon mounts



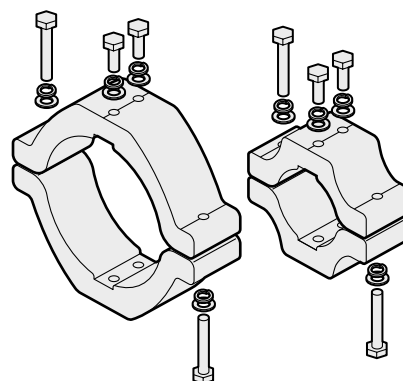
2" pipe (2.51", 56mm inner diameter)
4" pipe (4.13", 105mm inner diameter)

TM2

TM4

Pipe clamps

(Each can mount 1 or 2 fixtures)

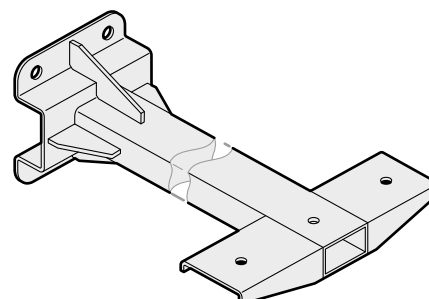


2" pipe (2.51", 56mm inner diameter)
4" pipe (4.13", 105mm inner diameter)

PC2

PC4

Extender arms



12" **FOEB12**
24" **FOEB24**
36" **FOEB36**



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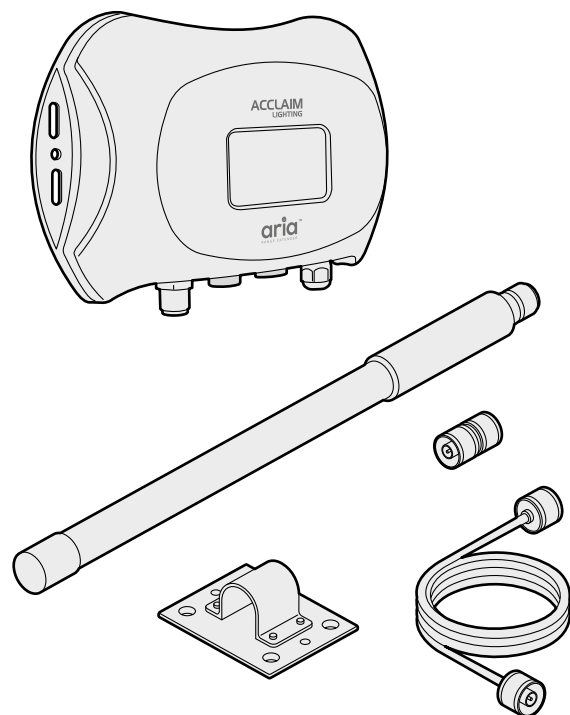
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Wireless DMX transceiver

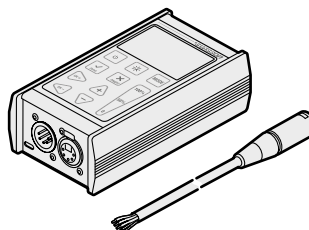


Wireless transceiver with antenna,
cable, adapter and antenna bracket

ARIA WDS

Configuration tool

DMX/RDM control accessory



Part # **XMT350**
DMX + RDM Addressing and Testing Tool

See "Optional wireless control" on page 8



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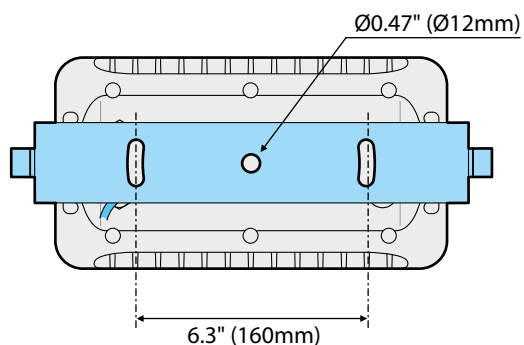
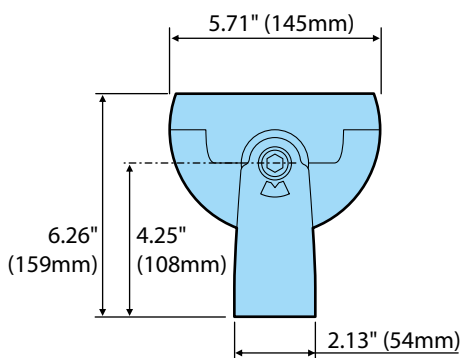
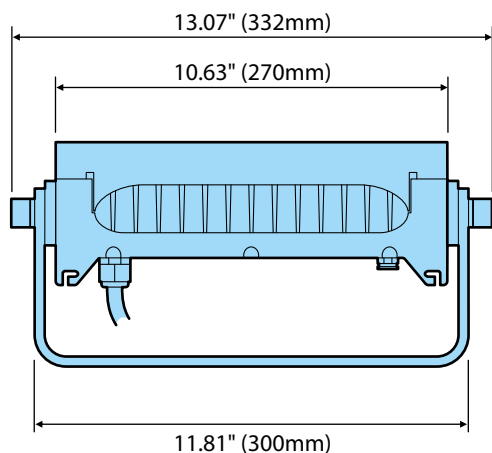
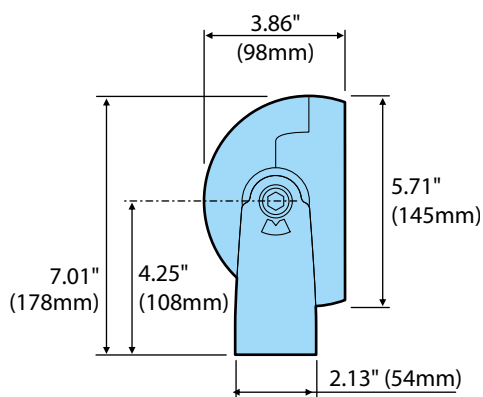
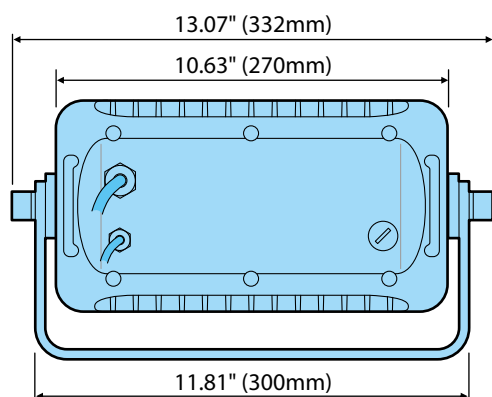
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DIMENSIONS

Standard model



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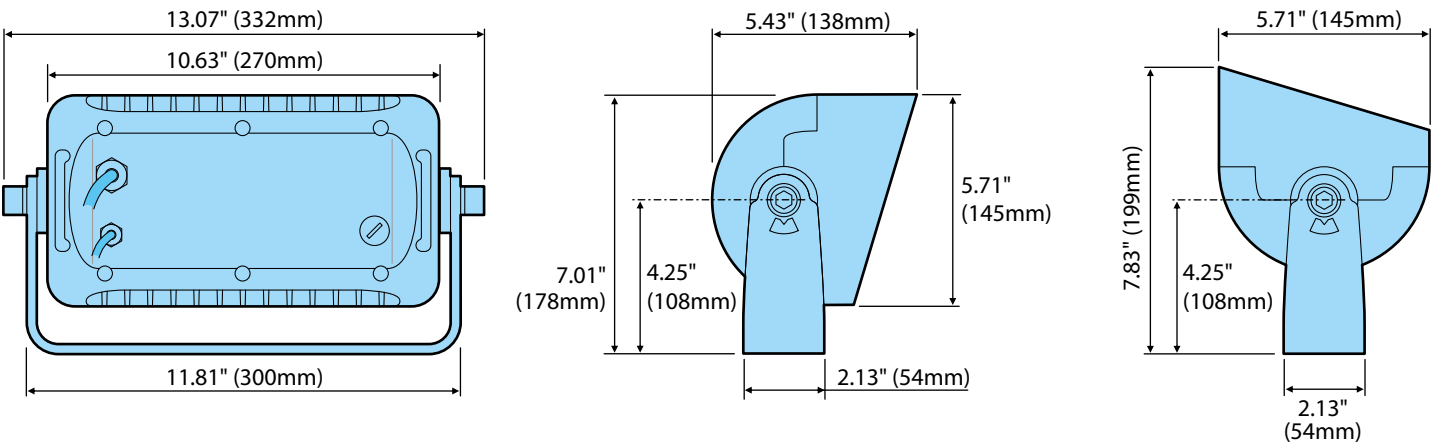
ORDER #

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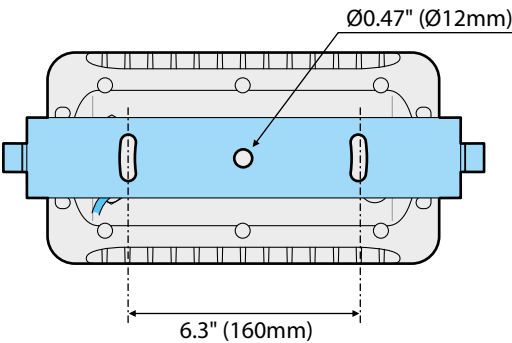
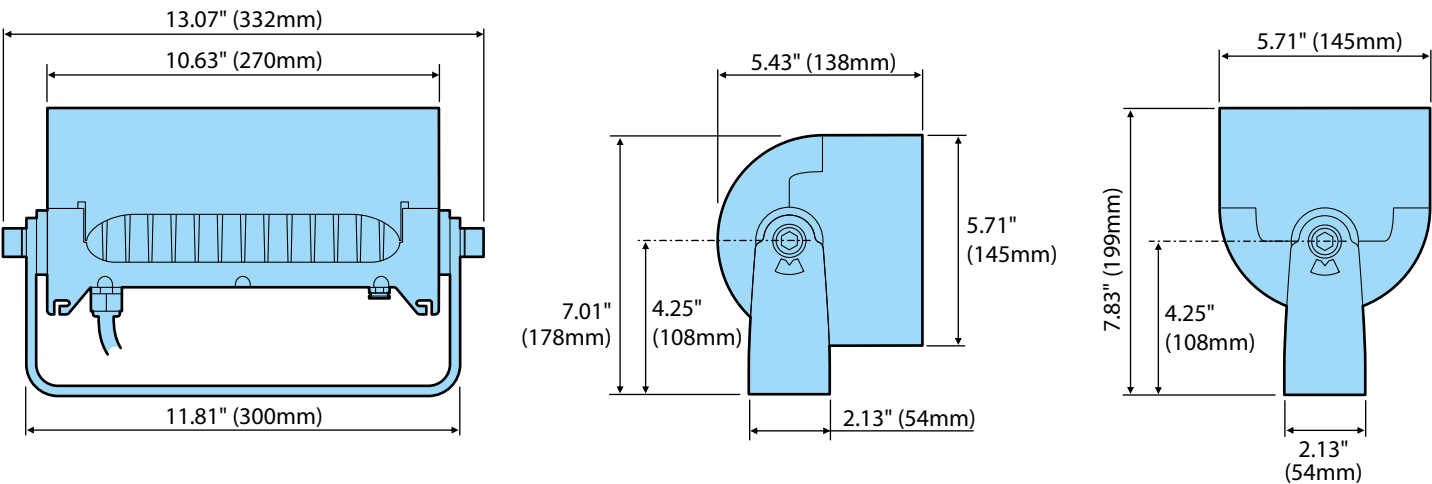
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DIMENSIONS

With half snoot



With full snoot



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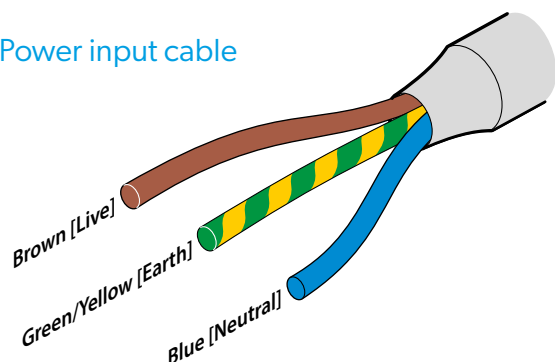
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POWER AND CONTROL WIRING

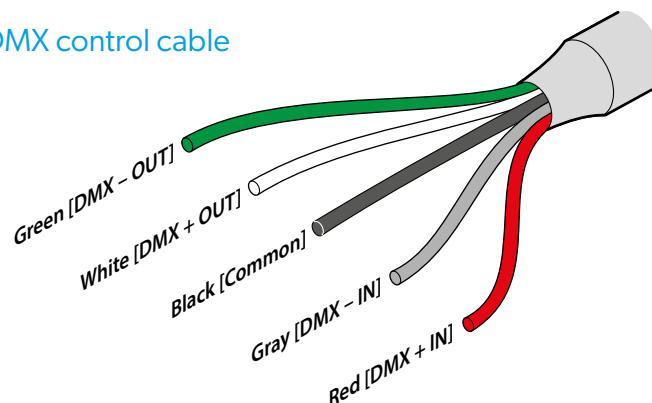
Power and control are arranged as separate bare-tail inputs via cords that are each 6.5' (2m) in length. The fixture must have a valid protective earth connection. The cable color designations are as follows:

Power input cable



- Voltage: 100-277VAC 50/60Hz
- Power: 65W
- Power cores: 16 AWG / 1.31mm²

DMX control cable



- Signal cores: 18 AWG / 0.824mm²

DMX feed 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 | • Impedance | • Capacitance |
| Shielded, twisted pair (or multi-pair). | Between 90 and 120Ω. | 15pF or less. |

Input wiring protection

Ensure that:

- appropriate care is taken to protect the junction where the mains and control inputs are joined to the fixture's feed cables.
- the mains input is derived from a suitable overload-protected supply.
- the junction boxes have an environmental rating of at least IP66.
- all cable access points, plus the enclosure cover are correctly sealed and moisture proof.
- only suitable cable connectors are used within the junction boxes; Acclaim Lighting recommends Wago® 221-series splicing connectors.
- local codes are followed during planning and installation. Some municipalities have specific requirements when wiring low and high voltage cables in close proximity. Such requirements could include the use of a barrier within combined junction boxes (if used) or particular minimum spacings between the control and power cables.
- connections are made, inspected and certified by a qualified electrician.

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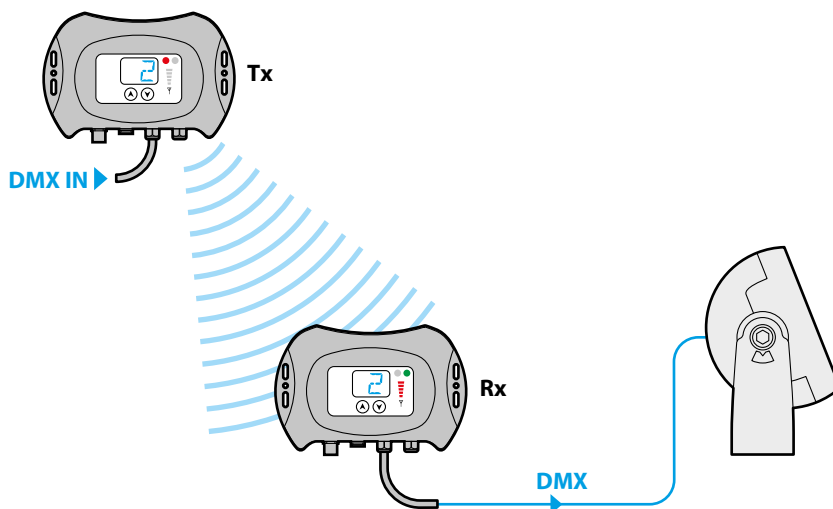
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OPTIONAL WIRELESS CONTROL

Wireless DMX operation

(via Aria transceivers)

Where wireless control is required, use Acclaim Lighting Aria™ wireless linking over distances up to 2600 feet (792m) line of sight to the Flood One EO installation:



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

