

KEY
FEATURES
&
TECHNICAL
DETAILS

 **AccessFixtures**
High-Performance Lighting Solutions



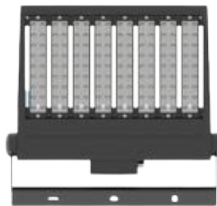
LED FLANKING LIGHTS

HIGH PERFORMANCE MARINE-GRADE LIGHTING

AccessFixtures.com

APPLICATIONS

- 1** Illuminating riverbanks and shorelines during navigation
- 2** Finding or avoiding submerged objects
- 3** Illuminating a work area near the ship



U Mounting
Bracket Mount



L Mounting
Slipfitter Mount



J Mounting
Mast Mount

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10 YEAR WARRANTY WITH BUILT-IN FAILURE PREVENTION

Flanking lights have 5-year protection with optional 10-year coverage for complete peace of mind.

Our advanced electrical design prevents total fixture failure.



MOUNTING

Every type of mount to provide secure and/or directed illumination.



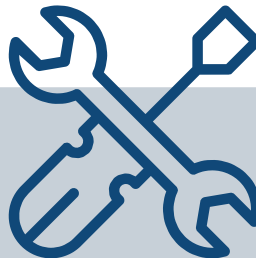
WATTAGE

10w to 2400w provides the level of illumination required for any application.



WATERPROOF

Built airtight to meet IP68 standards which means it is highly durable against dust and water ingress. Rated IP66.



IMPACT RESISTANT

No glass. IK10 impact resistance. If one light module gets destroyed or hit by a bullet, the other light modules remain on.



LOW EPA RATING

The fixture's aerodynamic design, features a reduced EPA and an open architecture, minimizing surface area to drastically reduce the ship's drag, thereby significantly enhancing overall fuel efficiency.





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CORROSION PREVENTION

These fixtures APTOs endure ASTM B117-2018 5000-hour salt spray testing for peace of mind in corrosive coastal environments.



VIBRATION

Meets ANSI C136.31-2018 3G vibration which helps ensure the durability and reliability of lighting fixtures in environments prone to significant vibration levels.



EXTREME-LIFE

L70 rated @ 200,000 hours signifying that the fixture is projected to maintain at least 70% of its initial brightness after operating for 200,000 hours.



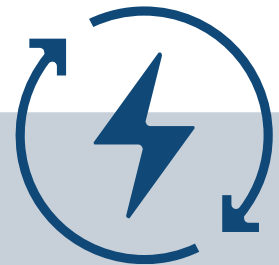
OPTICS

Large choice of optics to meet specific illumination requirements.



OPERATING TEMPERATURE

-40°C to +50°C/
-40°F to +122°F



UNSTABLE POWER GRID PROTECTION

10KA surge protection standard. Operates with a voltage range of 100-277VAC.



FLANKING LIGHTS SOLUTION



Some Other Company

Access Fixtures

In 2022, two flanking lights were installed on a commercial fishing vessel that was about to embark on an extensive journey from Spain across the Atlantic Ocean to Panama, and then continuing the voyage in the Pacific Ocean. Part of the function of the voyage was to test two different flanking lights that could be used to illuminate an area on the side of the ship when fishing. One flanking light was from Access Fixtures and the light was from another company. The Access Fixtures' flanking light, while officially rated as IP66 to provide a safety margin, is manufactured with the IP68 air tightness tested at 30KPa with test points at each light module, the supporting frame, and the junction box. The Access Fixtures flanking light is also manufactured with a superior Akzo Nobel powder coat anti-corrosion finish tested to exceed over 5000m hours of salty spray. It is structured to pass a 3G vibration test and an IK10 impact test too.

The Access Fixtures flanking light had no issues withstanding the Atlantic and Pacific oceans, demonstrating resilience throughout the 8-month real-life test environment. The other manufacturer's light fixture was rusting away.

FEATURES

- CCT: 2200K, 3000K, 4000K, 5000K, 5700K, 590nm Amber, Red
- Mounting Options: Bracket, Slipfitter or Mast mount
- 1-10v dimming
- T1S, T2S, T3S, T3M, T4S, T4M, T5M, T5W, T10D, T20D, T40D, T60D, T90D optics and more
- Voltage: 120-277v or 347-480v
- Photocell
- Optics Rotated Left/Right
- Emergency Power Supply
- Vandal Resistant Screws
- Bird Spikes
- Ra70+, Ra80+ or Ra90+
- Remote driver





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OCTA

Performance Summary

Input Voltage	100-277VAC or 277-480VAC, 50/60Hz
Nominal Power	40W~960W
Efficiency	Up to 160 LPW
CRI	Ra>70(Default)/Ra>80/Ra>90
Power Factor	>0.9 at full load
Total Harmonic Distortion	<20% at full load
Surge Protection Device	Imax 10KA
Optic(IESNA)	Type I, Type V
Operating Temperature	-40°C~+50°C (High ambient temperature up to 80°C is customizable)
Accessories & Options	0-10V Dimming, 1-10V Dimming, DALI, DMX, Motion Sensor, Emergency Power Supply, Photocell MINI, Back Light Shield, ECR
Color Options	Black, Gray
L70B10/L90B10	>200,000H/>60,000H
Warranty	10 years warranty

Ordering Information

MODEL	INPUT VOLTAGE	MOUNTING	OPTIC	CCT	COLOR	OPTIONS
AFF88XBAD10	L	U	TIS	30K	BK	DIMO
AFF88XBAD20	100-277VAC	J	T5M	3000K	Black-RAL9011	0-10V Dimming
AFF88XBAD30	H	L	T5W	40K	GY	DIM1
AFF88XBAD40	277-480VAC		T10D	4000K	Gray-RAL7004	1-10V Dimming
AFF88XBAD60			T20D	50K		DALI
AFF88XBAD80			T40D	5000K		DALI Control
AFF88XBAD120			T40DH	57K		DMX
AFF88XBAD160			T60D	5700K		DMX Control
AFF88XBAD180			T60DH			MMS
AFF88XBAD240			T90D			Motion Sensor
AFF88XBAD300						EPS
AFF88XBAD320						Emergency Power Supply
AFF88XBAD360						PCM
AFF88XBAD480						Photocell MINI
AFF88XBBD720						
AFF88XBBD960						

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APTA



Performance Summary

Input Voltage	100-277VAC or 277-480VAC, 50/60Hz
Nominal Power	80W~1400W
Efficiency	Up to 160 LPW
CRI	Ra>70(Default)/Ra>80/Ra>90
Power Factor	>0.9 at full load
Total Harmonic Distortion	<20% at full load
Surge Protection Device	I _{max} 10KA
Optic(IESNA)	Type II, Type III, Type IV, Type V
Operating Temperature	-40°C~+50°C (High ambient temperature up to 80°C is customizable)
Accessories & Options	0-10V Dimming, 1-10V Dimming, WDS, DALI, DMX, Motion Sensor, Nema, Zhaga, Back Light Shield, Spill Control, Bird Spike, ECR
Color Options	Black, Gray
L70B10/L90B10	>200,000H/>60,000H
Warranty	10 years warranty

Ordering Information

MODEL	INPUT VOLTAGE	MOUNTING	OPTIC	CCT	COLOR	OPTIONS
AFF88XPAD40	L	U	T2S	27K	BK	SP
AFF88XPAD80	100-277VAC	J	T3S	2700K	Black-RAL9011	Surge Protection
AFF88XPAD120	H	L	T3M	30K	GY	DIM1
AFF88XPAD160	277-480VAC		T4VS	3000K	Gray-RAL7004	1-10V Dimming
AFF88XPAD200			T4VVS	40K	BZ	DALI
AFF88XPAD240			T4S	4000K	Bronze-RAL8019	DALI Control
AFF88XPAD300			T4M	50K	WH	DMX
AFF88XPAD320			T5M	5000K	White-RAL_____	DMX Control
AFF88XPAD360			T5W	57K		BSP
AFF88XPAD480			T10D	5700K		Bird Spikes
AFF88XPBD720			T20D			EPS
AFF88XPBD960			T40D			Emergency Power Supply
AFF88XPBE1440			T60D			PCM
AFF88XPBE1920			T40DH			Photocell MINI
AFF88XPBE2400			T60DH			
			T90D			





CERTIFICATIONS

Max 5000H Salt Spray Test

Test Condition	ASTM B117-2018
Test Standard	<ol style="list-style-type: none">1. Neutral Salt Spray Test2. Solution concentration: 50 g ± 5 g/L3. Chamber temperature: 35°C4. Pressure barrel temperature: 47°C5. PH value of solution: 6.5-7.26. Salt spray deposition(80cm²): 1.0-2.07. Spray duration: 5000hours8. Spray model: Continued <p>Samples should be carefully removed. Samples may be washed gently or immersed in a clean flow of water not exceeding 38°C to remove salt deposits from the surface and then dried immediately.</p>
Test Result	After visual inspection, the appearance of the sample after the test has slight corrosion, loss of light phenomenon.

3G Vibration Test

Test Standard	ANSI C136.31-2018
Test Standard	<ol style="list-style-type: none">1. Frequency/Hz: 2-302. Acceleration/(g): 0.23. Sweep rate/(oct/min): 14. Times of frequency sweep: 15. Test axial: X,Y,Z6. Test Mode: Power Off
Fixed Vibration	<ol style="list-style-type: none">1. Frequency/Hz: 13.5(X), 18.6(Y), 12(Z)2. Acceleration/(g): 33. Test axial: X, Y, Z4. Test cycle/(times): 100,0005. Test Mode: Power Off
Test Result	Sample appearance and structure are normal during and after testing.

