

The Avanti AmberLED luminaire is available with a wide choice of mounting configurations and an IES Type V distribution designed to replace HID lighting systems from 175w MH or HPS for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. Typical applications include general area, parking, flood, security, and accent lighting for retail centres, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 3 to 6 metres can be used based on light level and uniformity requirements.

## Specifications and Features:

### Housing:

Die cast aluminium housing and front frame, integral heat sinking and driver compartment. Photocell adaptable. Nickel-Plated stainless steel hardware.

### Listing & Ratings:

UKCA/CE: Listed for wet locations, ANSI/UL 1598, 8750; IP66 sealed LED compartment.

### Finish:

Textured architectural black (close to RAL 9005) powdercoat finish over a chromate conversion coating. Custom colours available upon request.

### Lens:

Tempered clear flat glass lens

### Mounting Options:

Mounts with Kitty Hawk Arm, Adjustable Slipfitter, 60mm diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (factory installed).

### AmberLED:

Aluminium boards

### Wattage:

37w array model: 38.2w (175w HID equivalent)

### Driver:

UKCA/CE Certified Driver

### Controls:

Fixtures ordered with factory-installed photocell or motion sensor controls are internally wired for switching and/or 1-10V dimming within the housing. Remote direct wired interface of 1-10V dimming is not implied and may not be available, please consult factory. Fixtures are tested with Avanti controls and may not function properly with controls supplied by others. Fixtures are NOT designed for use with line voltage dimmers.

### Warranty:

5-year Warranty for -40°C to +50°C environment.

See page 3 for Projected Lumen Maintenance Table.

**L70**  
25°C **320,000 Hours**

## AmberLED Baby Hawk Area, Wall and Flood Light



Shown with "KA" Hawk Arm mounting option.



Shown with "EH" Easy-Hang Wall Bracket



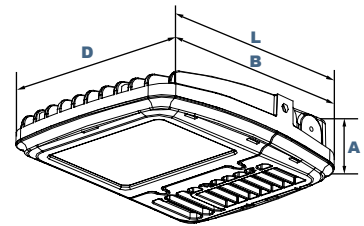
Shown with "SF" Slipfitter mounting option.

### Dimensions

Width (D)	240mm
Length (B)	299mm
Height (A)	92mm

### Length with Mount (L)

Bracket (BR):	394mm
Yoke (Y):	375mm
Mounting Arm Adaptor (MA):	406mm
Hawk Arm (KA):	406mm
Easy-Hang Wall Bracket (EH):	324mm
Slipfitter (SF):	394mm



### Order Information Example:

AP-AL-BHFIX37UAMCBRR

Model	Optics	Wattage	Driver	CCT	Lens	Colour	Mounting	Options
AP-AL-BH= AmberLED Baby Hawk Area, Wall, and Flood Light	F=Type V/ NEMA 7H x 7V See Page 3 for Distribution Information.	1X37=37w	U=UKCA/CE Certified Driver	AM=1400K	C=Standard Clear Flat Glass Lens	B=Black C=Custom (Consult Factory)	BR=Two-Piece Swivel Bracket Y=Yoke MA= Mounting Arm Adapter KA=Kitty Hawk Arm EH=Easy-Hang Wall Bracket SF= Slipfitter	P=Button Photocell, 120-277 VAC

### Certification & Listings:



# AmberLED



Specifications subject to change without notice.

L70  
25°C

320,000 Hours

# AmberLED Baby Hawk Area, Wall and Flood Light



## Mounting Options:



### AP-AL-BH with Two-Piece Swivel Bracket (BR)

Two-Piece stamped steel Adjustable Bracket, black powdercoat finish, includes hardware.



### AP-AI-BH with Yoke (Y)

Stamped heavy duty steel Yoke, black powdercoat finish, includes hardware.



### AP-AL-BH with Pole Mounting Arm Adaptor (MA)

Die cast adaptor for 60mm horizontal Mounting Arms, black powdercoat finish, includes hardware.



### AP-AI-BH with Hawk Arm (KA)

Kitty Hawk die cast mounting arm, black powdercoat finish, includes hardware. Mounts directly to square poles.



### AP-AI-BH with Easy-Hang Bracket (EH)

Die Cast Easy-Hang Wall Bracket, black powdercoat finish, includes hardware.



### AP-AL-BH with "SF" External Mount Slipfitter (SF)

External mount die cast Adjustable Slipfitter for 60mm tenons, black powdercoat finish, includes hardware.

## Windage Shown with Baby Hawk Arm mounting.

Configuration	Windage (M <sup>2</sup> )	Weight (kg)	Configuration	Windage (M <sup>2</sup> )	Weight (kg)	Configuration	Windage (M <sup>2</sup> )	Weight (kg)	Configuration	Windage (M <sup>2</sup> )	Weight (kg)
1	0.036	4.9	2@180° Mount	0.072	9.8	3@90° Mount	0.072	14.7	4@90° Mount	0.079	19.6
			2@90° Mount	0.049	9.8	3@120° Mount	0.072	14.7			

## Accessories & Replacement Parts

### Mounting Accessories

(Order separately, field installed)

KH20RPB Die-Cast Adaptor for 76mm to 102mm round poles, black powdercoat finish. Use with MIDI Hawk Mounting Arm only.



KH20RPB

### Accessories

(Order separately, field installed)

KH15GSB Aluminium Glare/House Side Shield, Black Powdercoat Finish, Includes Hardware.

KH15BFB Baffle, Aluminium with Black Powdercoat Finish.



KH15GSB KH15BFB\*

\*Shown mounted

### Replacement Parts

(Order separately, field installed)

FL73BRB Two-piece stamped steel Adjustable Bracket, black powdercoat finish, includes hardware.

KH15YB Stamped heavy-duty steel Yoke, black powdercoat finish, includes hardware.

ALMAAB Die cast adaptor for 60mm Horizontal Mounting Arms, black powdercoat finish, includes hardware.

KH25AB Kitty Hawk die cast Mounting Arm, black powdercoat finish, includes hardware. Mounts directly to square poles.

KHEHB Die cast Easy-Hang Wall Bracket, black powdercoat finish, includes hardware.

FL73SFXB External mount die cast Adjustable Slipfitter for 60mm tenons, black powdercoat finish, includes hardware.

P18103 Button Photocell, 120-277VAC



P18103

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Address: Unit 75, Standard Way, Gravelly Industrial Park, Birmingham, B24 8TL Tel: 0121 726 6999 | Fax: 0121 726 6997

Email: sales@avanti-lighting.co.uk Web: www.avanti-lighting.co.uk

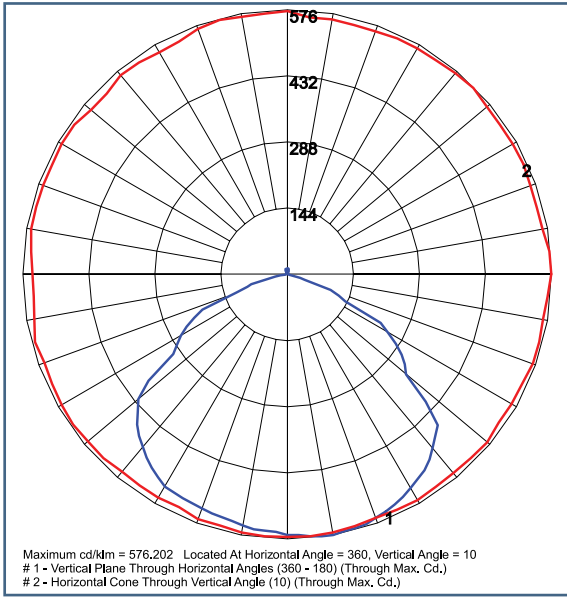
L70  
25°C

320,000 Hours



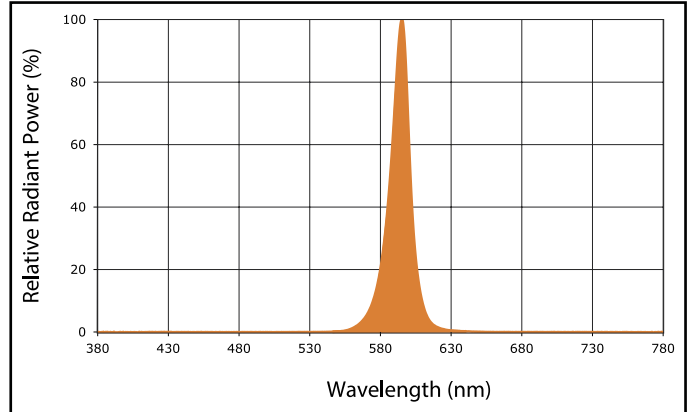
# AmberLED Baby Hawk Area, Wall and Flood Light

## Photometric Data



AP-AI-BHFIX37UAMC  
Type V

## Spectral Chart



## Photometric Performance

Variant	Drive Current (mA)	Wattage	Optics	SHR	Amber LEDs	
					Lumen Output	Llm/cW
AmberLED 37w	525	38	F	Type V	1,738	46

Variant	Drive Current (mA)	Wattage	Beam	Amber LEDs	
				Lumen Output	Llm/cW
AmberLED 37w	525	38	F 110H x 110V, NEMA 7H x 7V	1,724	45

## Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	38w	1.00	0.98	0.95	0.91	320,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	38w	1.00	0.95	0.89	0.79	141,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	38w	1.00	0.96	0.93	0.85	134,000

**NOTES:**

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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