

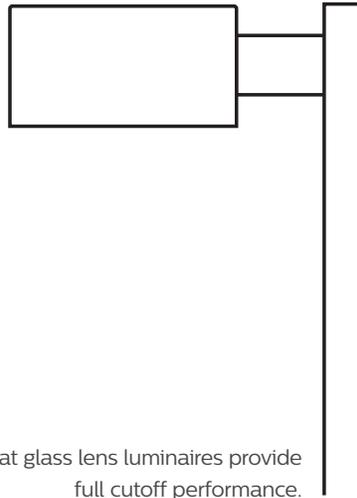


by Signify

Site & Area

Ecolume

Arm Mount and Wall Mount



Flat glass lens luminaires provide full cutoff performance.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ecolume is a rectilinear arm-mounted area luminaire, also suitable for wall mounting. The precision segmented optical systems provide required light levels, even illumination, wide pole spacings and glare control. The housing is dieformed and the door frame is extruded aluminum. The luminaire is completely sealed and gasketed, preventing intrusion from moisture, insects and contaminants.

Ordering Guide

Prefix	Mounting	Distribution	Wattage	Voltage
Ecolume	1 Single Pole Mount	Horizontal Lamp		
ECA18 18" Square Luminaire <i>Arm Mount to Pole*</i>	2 Twin Pole Mount at 180°	3H Type III	Pulse Start MH Magnetic Ballast	18" 250PSMH [Ⓔ] 350PSMH [Ⓔ] 250PS90* [Ⓔ] 400PSMH [Ⓔ] 320PSMH ^{1,5} [Ⓔ]
ECA18 18" Square Luminaire <i>Direct Wall Mount</i>	2@90° Twin Pole Mount at 90°	FH Type IV Forward Throw		
ECA18 18" Square Luminaire <i>Direct Wall Mount</i>	3 3-way Pole Mount at 90°	QH Type V	MasterColor Elite Electronic System	210MCE-3K [Ⓔ] 315MCE-3K [Ⓔ] 210MCE-4K [Ⓔ] 315MCE-4K [Ⓔ]
ECWA18 18" Square Luminaire <i>Wall Mount with Arm</i>	3@120° 3-way Pole Mount at 120°		Pulse Start MH Electronic Ballast	250PSE [Ⓔ] 320PSE ^{5,6} [Ⓔ]
	4 4-way Pole Mount		High Pressure Sodium Magnetic Ballast	250HPS 400HPS
* Arm mounting on round poles is designed to mount to poles measuring 3.5" OD or larger only.				
* 250PS90 includes a 90% efficient magnetic PSMH ballast, meeting the requirements of California Title 20.				
Ⓔ Wattages marked with Circle "E" meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.				

Finish	Options
BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint <i>Specify RAL designation ex: OC-RAL7024.</i> SC Special Color Paint <i>Specify. Must supply color chip.</i>	HS⁷ Internal House Side Shield F Fusing LF⁸ In-Pole/In-Line Fusing PCT¹ Locking Type Photocontrol Receptacle with Photocontrol PCR Locking Type Photocontrol Receptacle PCB¹ Button Photocontrol MF^{9,14} Mast Arm Fitter PTF2 Pole top fitter fits 2 3/8-2 1/2" OD x 4" depth tenon PTF3 Pole top fitter fits 3-3 1/2" OD x 6" depth tenon PTF4 Pole top fitter fits 3 1/2-4" OD x 6" depth tenon AP¹⁰ Adjustable Knuckle - Square Pole Mount AT¹³ Adjustable Knuckle - Tenon Mount SG¹³ Sag Glass Lens QS¹² Quartz Standby QST¹² Quartz Standby - Timed Delay Q924¹² Quartz Emergency Quartz QT924¹² Emergency - Timed Delay

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

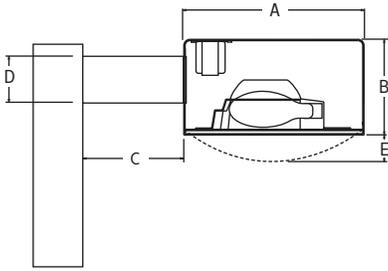
- | | |
|--|--|
| 1. Not available in 480V. | 11. In lieu of flat glass. |
| 5. Requires BT28/E28 lamp. | 12. See QS/Q924 Table. Separate 120V power source is required. |
| 6. Available in 120V, 200-277V, or 480V. 120V, 347V, and 480V require and include an auxiliary transformer. "-3K" indicates a 3,000°K lamp, "-4K" indicates a 4,000°K lamp. Supplied with lamp as standard | 13. Only available with Single luminaire. Mounts to 2-3/8" tenon only. |
| 7. Supplied standard for FH optics. | |
| 8. Kit includes In-Line Fuses. Ships as a separate accessory. | |
| 9. Requires 2 3/8" O.D. Mast Arm. | |
| 10. Only available with single and twin luminaires @ 180°. Mounts to square pole only. | |

(Note 12) QS / Q924 Table	
HID Lamp Watts	Maximum Quartz Lamp Watts
175 watts or less	100 Watts
Above 175 watts up to 400 watts	150 Watts

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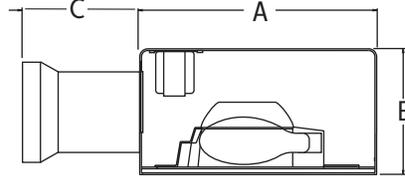
Dimensions

Arm Mount

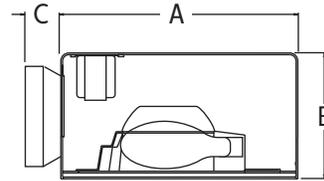


Arm Mount	18"
A	18" sq 45.72cm
B	18" sq 45.72cm
C Arm Length	9" 22.86cm
D Arm Height	5" 12.70cm
E Drop Lens	4" 10.16cm

Wall Mount with Arm (WA)

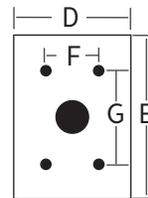


Direct Wall Mount (W)



Wall Mount / Wall Mount Plate	18"
A (W & WA)	18" sq 45.72cm
B (W & WA)	10" 25.40cm
C (WA only)	11" 27.94cm
C (W only)	2" 5.08cm
D (W & WA)	5" 12.70cm
E (W & WA)	7" 17.78cm
F (W & WA)	2.25" 5.72cm
G (W & WA)	4" 10.16cm

Wall Mount Plate



EPA

EPA (Effective Projected Area) ft ² / m ²			
Ecolume	Single	Twin 180°	Quad
18" units	1.9 / .177	3.8 / .354	4.8 / .446
Single Luminaire Weight (lbs / kg)			
18" units	50 / 22.68		

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Specifications

GENERAL DESCRIPTION

Ecolume is a cutoff luminaire for high intensity discharge lamps. Internal components are totally enclosed, rain-tight, dust-tight, and corrosion resistant. No venting of the optical system or electrical components is required or permitted. Lamping requires no lifting or hinging of the luminaire housing, disturbing wiring or exposing uninsulated live parts.

HOUSING

The housing wrapper is one-piece dieformed aluminum. The housing has an integral reinforcing spine and no welded corners. Silicone seals provide a weathertight seal at all points of material transition.

LENS

A mitered, extruded anodized aluminum door frame retains the optically clear, heat and impact resistant tempered flat glass in a sealed manner using hollow section, high compliance, memory retentive extruded silicone rubber. A single flush 1/4 turn captive fastener permits easy access to the luminaire.

OPTICAL SYSTEMS

The segmented reflector system consists of two levels of highly specular aluminum facets precisely aligned to achieve specified photometric distributions. The entire optical system is field rotatable in 90° increments. The position-oriented mogul base socket is glazed porcelain with a nickel

plated screw shell. A lamp stabilizer is standard on 3H and QH 400W PSMH units.

ELECTRICAL

All electrical components are UL recognized and factory tested. Electronic and magnetic HID ballasts are high power factor. Magnetic HID ballasts are the separate component type. The ballast is mounted on a unitized tray and secured within the luminaire, above the reflector system. Electronic and magnetic HID ballasts are capable of providing reliable lamp starting down to -20°F / -29°C. Standard fluorescent ballasts are solid state. Luminaires provided with the MasterColor Elite high performance ceramic metal halide electronic system

include high power factor electronic ballasts, designed specifically for the system selected.

FINISH

Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally-cured polyester powder finish after fabrication.

LABELS

All luminaires bear UL or CUL (where applicable) Wet Location labels.

WARRANTY

Ecolume Luminaires feature a 5 year limited warranty. See www.signify.com/ warranties for complete details and exclusions.

