

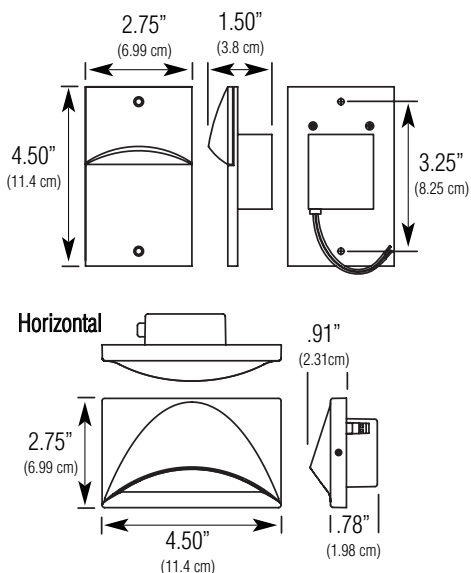
## GENERAL DESCRIPTION

Chloride's PathMaster luminaire series is designed to support low-level illumination of stairwells, step landings, wheelchair ramps and exit corridors. PathMaster incorporates a 10-year continuous duty rated, white LED light engine and driver. A 12 volt or 120 VAC input allows for flexible system design. When powered by Chloride's PowerScape emergency power system or the PathMaster Power Supply, the PathMaster becomes a normally on emergency lighting unit. PathMaster meets the Buy American requirements.

## ILLUMINATION

The PathMaster LED engine utilizes three high performance white LEDs combined with a solid-state integral driver circuit. PathMaster performs best when mounted 18" A.F.F. By utilizing multiple luminaires mounted on 10' centers, PathMaster will meet NFPA required 1 foot-candle average illumination standard. PathMaster incorporates a user selectable, three level intensity control or an optional line voltage dimmable driver (120 VAC models only).

## DIMENSIONS



Dimensions are approximate and subject to change.

# PathMaster

## Low Level LED Emergency/Security Illumination Emergency "Normally Off" and Continuous Duty Security "Normally On" Lighting Applications

### HOUSING

PathMaster is assembled from premium die cast aluminum components and is painted in a durable powder coat finish. Numerous standard finishes available with optional finishes available for custom projects.

PathMaster is assembled as a one-piece device that includes the LED light engine, integral power supply, three level intensity control or line voltage dimmable driver (120 VAC models only).

All LED and electrical components are protected by both a polycarbonate lens, and high impact power supply case that will be located within the junction box.

### INSTALLATION

PathMaster is designed for installation in a single gang junction box. The PathMaster is fastened to the single-gang junction box via two oval head 6x32x1/2" machine screws (supplied with product); junction boxes are not supplied with the product. When installing PathMaster in an outdoor damp or wet location, a single gang "FS" style junction box will be required by most local electrical codes. All units (low voltage and line voltage) are UL wet location listed.

### ELECTRONICS

PathMaster is designed with all solid state components and is rated for 10 years of continuous "normally on" use.

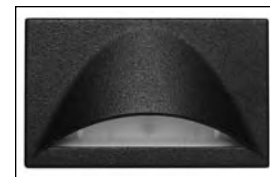
Electrical connection is made via two flying leads.

Standard product incorporates dip switches on rear of product allowing three levels of intensity. An optional line voltage dimmable driver is available on 120 VAC models.

The line voltage dimmable driver requires a reverse-phase ELV dimming system.



SHOWN: P1SBK



SHOWN: PH1SBK



### OPERATING TEMPERATURE RANGE

Standard Wet Location: -31°F (-35°C) to 104°F (40°C)

### ELECTRICAL SPECIFICATIONS

Input Volts	Current at Dip Switch Setting		
	Low	Med	High
12 VDC	0.140 A	0.330 A	0.430 A
12 VAC	0.220 A	0.465 A	0.585 A
120 VAC	0.035 A	0.065 A	0.085 A

120 VAC Line Voltage Dimmable: 60 Hz, 0.072 A

### CODE COMPLIANCE

UL 1598 and 924 listed  
UL Wet Location listed standard  
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards  
Meets ADA specifications for wall mounted lighting fixtures.

### WARRANTY

Five-year full electronics warranty

## ORDERING INFORMATION (EXAMPLE: P1SBK)



SERIES

P = PathMaster  
PH = PathMaster  
Horizontal  
Mount



INPUT VOLTAGE

1 = 12V AC,DC  
2 = 120VAC



LENS

S = Satin



FINISH

WH = White  
IV = Ivory  
G = Gunmetal  
AC = Aged Copper  
N = Nickel



DRIVER OPTION

Blank = Adjustable Dip Switch  
Dim = Line Voltage Dimmable<sup>1</sup>

### NOTES:

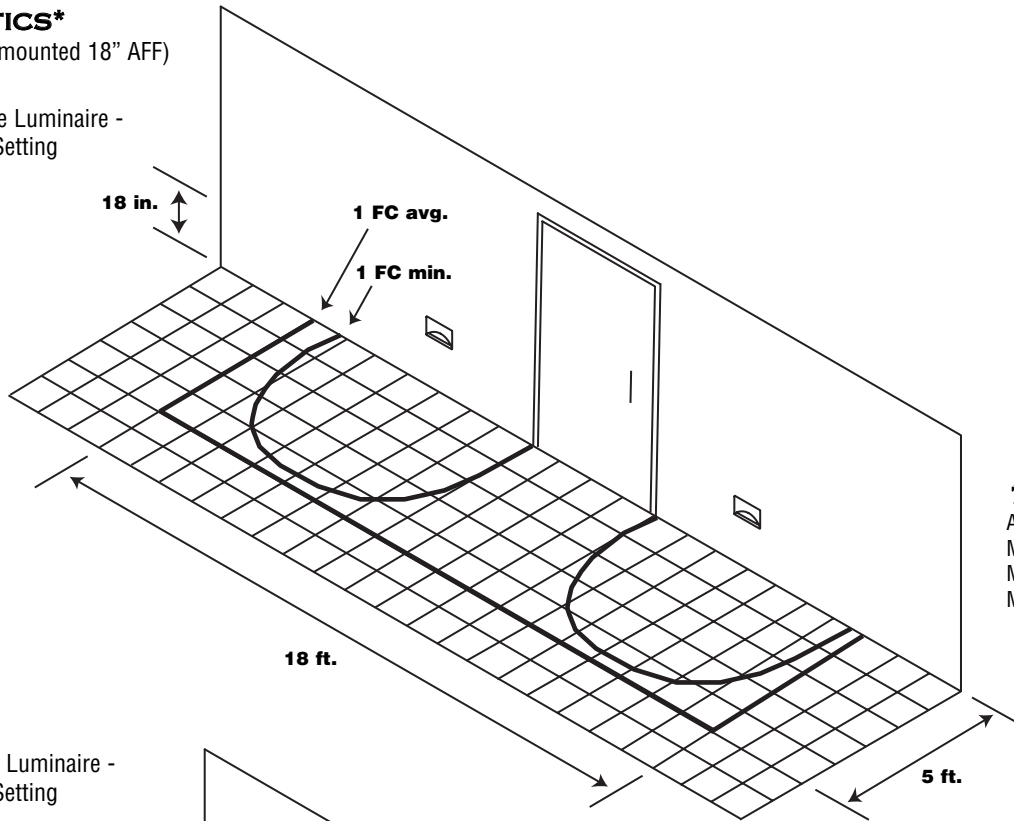
1) Line voltage dimmable driver available only with 120VAC (P2, PH2) models.

# Specification Data for PathMaster Low Level LED

## OPTICS\*

(Wall mounted 18" AFF)

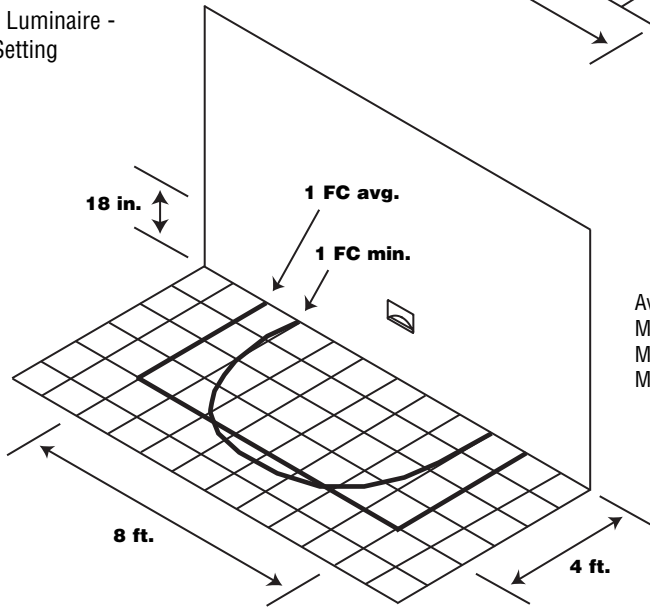
Double Luminaire -  
High Setting



### 10' FIXTURE SPACING

Average initial footcandles = 2.39  
Maximum initial footcandles = 10.5  
Minimum initial footcandles = 0.3  
Maximum to minimum ratio = 35.00

Single Luminaire -  
High Setting



Average initial footcandles = 3.11  
Maximum initial footcandles = 10.1  
Minimum initial footcandles = 0.4  
Maximum to minimum ratio = 25.25

\* The optics layout shown is intended to be used as reference only. Standard reflectances used were 80/50/20. Chloride Systems is not responsible for site specific conditions that may alter the results.

## SUGGESTED SPECIFICATION

Furnish and install Chloride's PathMaster, white LED, path of egress marking system model \_\_\_\_\_. The light shall be manufactured to Underwriter Laboratories, Inc standard 1598 and 924, and the National Electrical Code (NEC) standards.

**Installation and Operation** - The PathMaster shall be easily field connected to utility or supply power depending on the intended application:

- 12 VAC, 60 hertz input via a Chloride PS Series power supply for non-emergency, normally on applications. Furnish and install PS Series model \_\_\_\_\_ to operate the PathMaster.
- 12 VDC input via a Chloride emergency battery unit with the applicable DC voltage and wattage capabilities for normally off, emergency operations. Furnish and install Chloride model \_\_\_\_\_ to operate the PathMaster.
- 120 VAC, 60 hertz input via utility line voltage for normally on applications.

The PathMaster shall be capable of mounting directly to a standard single-gang junction box. The illumination of the fixture shall be generated by an array of three high-intensity, long-life white LED's. Light intensity shall be field-selectable via a dip switch to accommodate low, medium, and high light output modes. The Pathmaster shall be rated for 10 years continuous duty operation in the high output mode in a normally on application.

**Enclosure** - The PathMaster shall be constructed of durable die cast components with a powder coated finish. The fixtures will carry a full five-year warranty.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



**CHLORIDE**  
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