



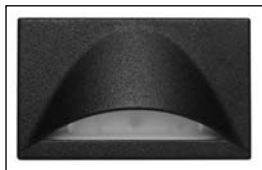
Type No. _____

Job Name _____

Catalog No. _____



Shown: N1SBK



Shown: NH1SBK



NightWatch

Low Level LED Emergency/Security Illumination
Emergency “Normally Off” and Continuous
Duty Security
“Normally On” Lighting Applications

Housing

- NightWatch 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
- 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

Illumination

- LED engine utilizes three high performance white LEDs combined with a solid-state integral driver circuit
- Performs best when mounted 18" AFF
- By utilizing multiple luminaires mounted on 10' centers, NightWatch will meet NFPA required 1 foot-candle average illumination standard
- Incorporates a user selectable, three level intensity control or an optional line voltage dimmable driver (120 VAC models only)
- The NightWatch series with white LEDs operates at 3,500 K nominal with a minimum CRI of 80
- The amber LEDs operate at a nominal wave length of 600 nm

Installation

- Designed for installation in a single gang junction box
- NightWatch 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 NightWatch 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

Operating Temperature Range

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

Application

- Designed to support low-level illumination of stairwells, step landings, wheelchair ramps and exit corridors
- When powered by LightGuard's NightWatch Power Supply, the NightWatch becomes a normally on emergency lighting unit
- NightWatch meets the Buy American requirements

Electronics

- 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 (see factory options)
- The line voltage dimmable driver requires a reverse-phase ELV dimming system

Electrical Specifications

Current at Dip Switch Setting

Input Volts	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

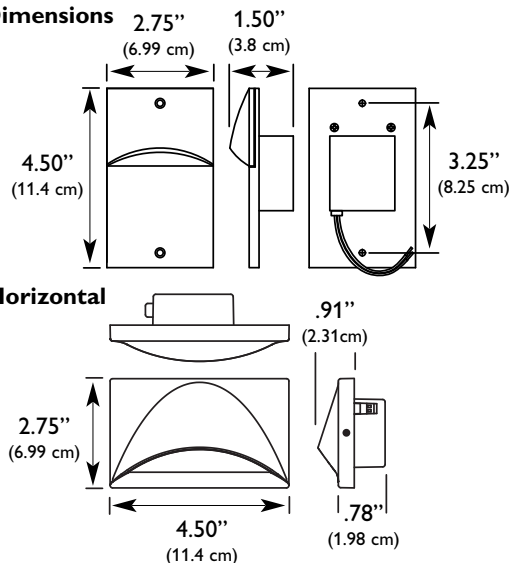
Code Compliance

- 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

- Electronics: 5 years full

Dimensions



Ordering Information

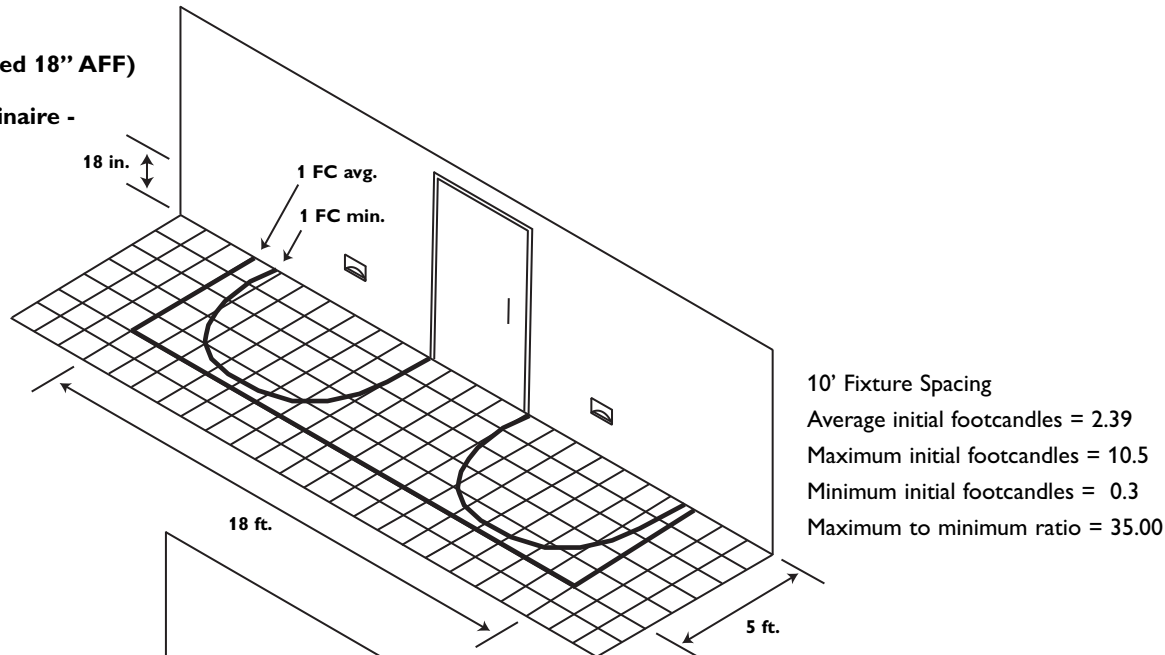
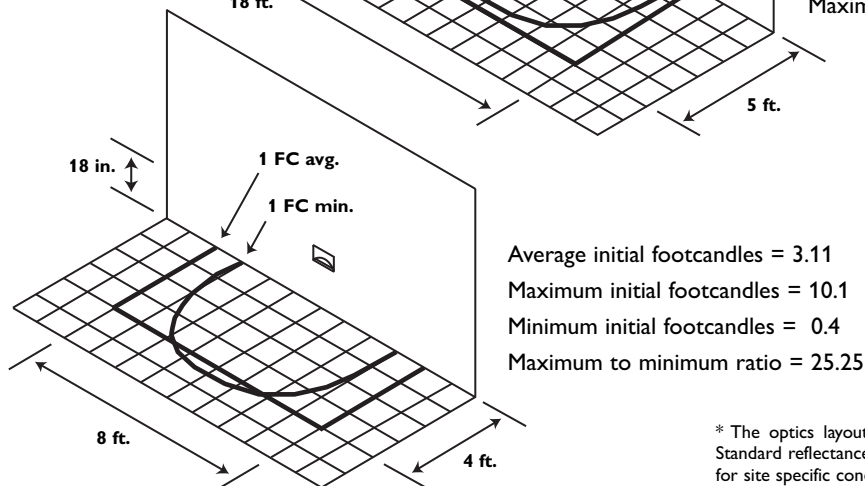
SERIES	INPUT VOLTAGE	LENS	FINISH		FACTORY OPTIONS
N = NightWatch NH = NightWatch Horizontal Mount	1 = 12V AC, DC 2 = 120 VAC	S = Satin	WH = White BK = Black IV = Ivory A = Aluminum G = Gunmetal	BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	DIM = Line Voltage Dimmable ¹ AMB = Amber LEDs BLU = Blue LEDs

NOTES:

1) Line voltage dimmable driver available only with 120 VAC (N2, NH2) model.

Optics*

(Wall mounted 18" AFF)

Double Luminaire -
High SettingSingle
Luminaire -
High Setting

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

Lumen Output

The following data represents absolute lumen output in accordance with test method IESNA LM-79-08.

Vertical, Lumens	Low	Med	High	Horizontal, Lumens	Low	Med	High
12 VAC/VDC	57.1	123.5	156.0	12 VAC/VDC	54.2	113.1	148.8
120 VAC	65.5	123.8	156.0	120 VAC	62.9	119.3	148.7
120 VAC DIM		162.6		120 VAC DIM		128.7	

Suggested Specification

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

INSTALLATION AND OPERATION - The NightWatch shall be easily field connected to utility or supply power depending on the intended application:

- 12VAC, 60 Hz input via a LightGuard power supply for non-emergency, normally on applications. Furnish and install model _____ to operate the NightWatch.
- 12VDC input via a LightGuard emergency battery unit with the applicable DC voltage and wattage capabilities for normally off, emergency operations. Furnish and install LightGuard model _____ to operate the NightWatch.
- 120VAC, 60 Hz input via utility line voltage for normally on applications.

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

ENCLOSURE - The NightWatch 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



272 West Stag Park Service Road • Burgaw, NC 28425
(910) 259-1131 • FAX (800) 403-6927
www.lightguard.com

L2317R20
6/12 IH