

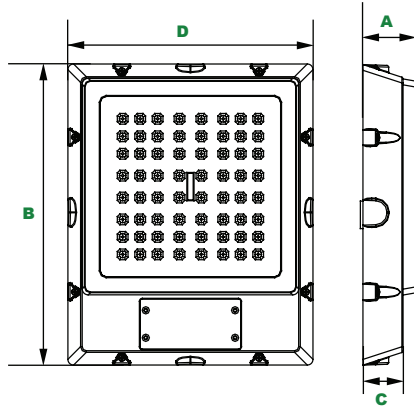


# NHL-SMS

## LED Garage Lighter

**L70**  
25°C

**219,000 Hours**



### Dimensions

<b>Width (D)</b>	11¼" (285mm)
<b>Length (B)</b>	13¾" (350mm)
<b>Height 1 (A)</b>	2½" (65mm)
<b>Height 2 (C)</b>	1⅞" (47mm)

The NHL-SMS garage luminaire with optional integral sensor is available in three wattages with an optical distribution designed to replace HID lighting systems up to 175w MH or HPS. Typical parking garage applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Low Profile Die Cast Aluminum Housing, ½" Coin Plugs with O-rings for Conduit or External Sensor. Built-in Sensor Housing with Color-Matched UV-Stabilized Polycarbonate Cover. A Clear Cover will be Provided When a Sensor is Ordered.

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750.  
(Damp Locations When Used with VNQM.); IP66 Sealed LED Compartment.

#### Finish:

Textured Architectural Bronze or White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Molded UV-Stabilized Acrylic Optical Lens Designed for Garage Lighting Applications.

#### Mounting Options:

Included Easy-Hang Bracket Fits Standard 4" Electrical Box, Allowing One-Person Installation. Optional Quick-Mount/Pendant Bracket Available.

#### LED:

Aluminum Boards

#### Wattage:

30w Array: 30w; System: 34.4w;  
37w Array: 37w; System: 42.5w;  
48w Array: 48w; System: 55w;  
65w Array: 65w; System: 74.6w; (250w HID Equivalent)

#### Driver:

Electronic Driver, 120-277V, 50/60Hz; 347V, 50/60Hz (30 & 37w Model Only); or 347-480V, 50/60Hz (30 & 37w Model Only) Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### 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 LEPC 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 2 for Projected Lumen Maintenance Table.

### Order Information Example:

**NHL-SMS-F-48W-50K-UNV-Z-SP**

Model	Optics	Wattage	CCT	Voltage	Color	Options
<b>NHL-SMS=</b> LED Garage Lighter	<b>F=</b> Type VS	<b>30W</b> =30w (3K,4K Only) <b>37W</b> =37w (4K Only) <b>48W</b> =48w (4K, 5K Only) <b>65W</b> =65w (4K Only)	<b>30K</b> =3000K <b>40K</b> =4000K <b>50K</b> =5000K	<b>UNV</b> =120-277V <b>480V</b> =347-480V*	<b>W</b> =White <b>Z</b> =Bronze <b>CC</b> =Custom (Consult Factory)	<b>SF</b> =Single Fuse (120-277V Only) <b>DF</b> =Double Fuse (120-277V Only) <b>SP</b> =Surge Protection <b>PC1</b> =Photocell, 120VAC <b>PC3</b> =Photocell, 120-277VAC <b>S2</b> =Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. (120-277V Only) <b>S4</b> =Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. (120-277V Only) <b>QM</b> =Quick Mount/Pendant Mount <b>EM</b> =Battery Backup, 90 Minutes

### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

### Certification & Listings:



Specifications subject to change without notice. Rev. 021320

### New Horizon Lighting

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New Horizon Lighting products reduce operating costs while delivering high efficiency lighting. NHL products are built in the USA and are available or through leading national distributors.

### Accessories & Replacement Parts:

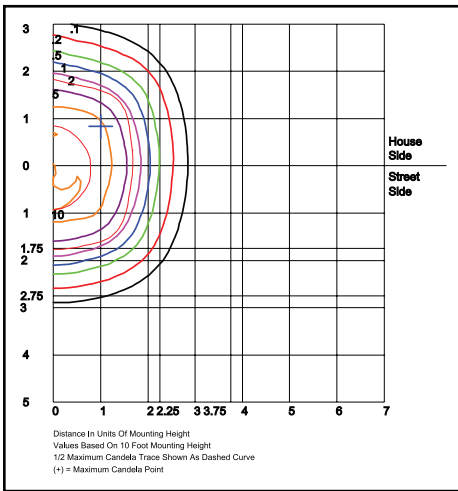


### Replacement Parts (Order Separately, Field Installed)

QM	Hinged Quick-Mount Bracket, Stamped Steel, Mount Over Recessed Electrical Box, or Use 3/4" NPS Downrod for Pendant Mounting. CSA Listed for Damp Location Mounting.
PC1	120VAC Photocell
PC3	120-277VAC Photocell
S2	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
S4	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.

### Photometric Data



**NHL-SMS-F-65W-40K-UNV**  
Type V  
Grid in MH  
MH=10 Feet

### Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
LED 30w	525	34	Type V	-	-	-	-	-	4,776	141	2	1	1	4,590	135	2	1	1
LED 37w		43		-	-	-	-	-	5,890	137	2	1	1	-	-	-	-	-
LED 48w		55		7,939	144	3	1	1	7,642	139	3	1	1	-	-	-	-	-
LED 65w		75		-	-	-	-	-	10,348	138	3	1	1	-	-	-	-	-

### Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 75w	1.00	0.97	0.93	0.86	219,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.96	0.91	0.82	114,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.95	0.89	0.78	93,000

#### 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.

Specifications subject to change without notice. Rev. 070720