April 24, 2018
ITB # 18-102
Requisition # A405070

ADDENDUM #3

The following information consists of changes, additions, omissions, deletions, or clarifications to the above mentioned project. All other information will remain the same.

Contractor/Business Name: 

Question 1
Please specify the required CMAA service class for the overhead crane.

Answer 1
Three (3) ton with a moderate service class B

Question 2
Please clarify as it relates to the building foundation if the Contractor is required to design anything other than the footings and piers required to support the metal building (i.e.- who is responsible to design the grade beams between the column footings and also the slab on grade?)

Answer 2
General Contractors Foundation Engineer.

Question 3
Please clarify who is responsible to obtain and pay for the Panhandle Health permit for the septic tank and drain field?

Answer 3
The General Contractor pays for all permits.

Question 4
Behlen is not listed as a preapproved manufacturer.

Answer 4
Behlen PEM? is an acceptable manufacturer.
American Building Company PEMB is an acceptable Manufacturer.
Star Building Systems PEMB is an acceptable manufacturer.
Ambient Lighting & Controls.
**Question 5**

Is a 20 year standard or No Dollar limit weathertightness warranty required? No Dollar limit warranty requires onsite independent inspections.

**Answer 5**

20-year warranty on Exposed Panel Finish.

20-year warranty on Weather tightness for Standard Seam Roof Panel.

**Question 6**

Specs call for R-50 roof and R-20 wall insulation values. The plans call for R-38 roof and R-25 walls. Which is correct?

**Answer 6**

R-38 at Roof.

R-25 at PEMB walls.

**Question 7**

Specs list red-oxide primer finish. Is Dark Gray primer color acceptable?

**Answer 7**

Dark gray is acceptable.

**Question 8**

Is flush liner panel really what is to be provided? There will be issues with oil-canning of panel surface.

**Answer 8**

Liner panel and painted BC Plywood.

**Question 9**

Are gutter and downspouts to be provided considering the 88psf ground snow load?

**Answer 9**

Gutter and Downspouts have been deleted from the project.

**Question 10**

Plans show 26 ga fascia on the walk door canopy assemblies but 24 ga endwall panels? Can all vertical panels be 26 ga material?

**Answer 10**

24 Ga metal trim.

26 Ga metal wall panels.
Question 11
The one line reflects only (3) 500 KCMIL copper conductors with a #3 ground. This reflects a 3 phase system and curious if we will need a grounded (neutral) conductor with this run.

Answer 11
Drawing E0.2 Change feeder from junction box to Panel M to 4"C 3-500 kCMIL CU, 1-350 kCMIL neutral and 1#3 CU gnd to panel the conduits size as shown on Panel M panel schedule.

Drawing E4.1 - Change feeder on the Power Riser to 4"C 3-500 kCMIL CU, 1-350 kCMIL neutral and 1#3 CU gnd to panel the conduits size as shown on Panel M panel schedule.

Question 12
The one line also reflects that this feeds into a 400 amp NEMA 3R distribution panel that then feeds (1) 400 amp panelboard and (2) 200 amp panelboards. Is the 400 amp distribution panel correct or would we need a larger distribution panel.

Answer 12
Drawing E4.1 — The 400 Amp distribution panel is correctly sized and no changes are required.

Informational 1
The standard 5% retainage will be required throughout the project duration.

Informational 2
Schedule of value line items shall not be paid 100% until substantial completion.

Informational 3
No payment will be made for material that is not physically on site.

Informational 4
ITD will remove the current fill at the PEMB pad location and the General contractor will place that material required for the building pad and provide testing and certification for compaction of the PEMB pad.

Informational 5
The general contractor shall provide their cost for PEMB included in the sealed bid submittal received 4/23/2018.

Informational 6
The general contractor is responsible for providing PEMB and PEMB foundation design stamped by a licensed Idaho Engineer.

Informational 7
The PEMD flashing shall be 24 ga metal.

Informational 8
The foundation shown in the bid documents are “Example Only” the general contractor shall be required to provide foundation design based upon the loads provided in the bid documents.
Informational 9

Price Adjustment Clause for the Athol Building:

The Contractor will provide ITD with current Producer Price Index (PPI) cost from the Pre-Engineered Metal Building (PEMB) supplier showing actual cost at time of bid, documentation from PEMB on letterhead showing Contractor pricing for building and Contractor will supply a separate line showing mark-up on the PEMB May 1, 2018 by 2:00 pm. The Contractor will provide a complete PEMB per the contract documents for the Athol, Idaho ITD project. After the award of the contract to the General Contractor for the Athol Idaho Maintenance Building project if there is a PEMB price increase due to unforeseen industry market condition. The Contractor will provide ITD with the percentage price increase of PEMB materials at PEMB supplier cost.

The General Contractor must provide Owner with Producer Price Index (PPI) cost with the current pricing from the PEMB supplier showing actual cost increases on PEMB company letterhead along with justification for the increase.

Clarification 1

Specification Section 08361 Sectional Overhead Doors:

2.2 Tracks, Supports and Accessories – B. Track Reinforcement and Supports: 3. Delete “High lift at door 12, 10’x12’ end door”.


Substitution Request

Please see the attached Substitution Requests that have been added to this solicitation.

Addendum 1 Acknowledgement Signature (Required)

Contractor must sign this additional line to verify they acknowledge receipt of addendum 1.

Addendum 1 Acknowledgement Signature: ________________________________

There are no other changes.

End of Question Period and Addendum Three

This page MUST BE SIGNED, DATED AND RETURNED with your BID DOCUMENTS

Signature: __________________________ Date: __________________________

I acknowledge receipt of this Addendum and its contents.
SUBSTITUTION REQUEST
(After the Bidding Phase)

Project: ITD - ATHOL MAINTENANC BUILDING
Substitution Request Number:

To: BRADLEY ENGINEERING

Date: April 18, 2018

A/E Project Number: 16-69

Re: SUBSTITUTION REQUEST-LIGHTING

Contract For: LIGHTING

Specification Title: LIGHTING

Section: 16500 Page:

Description:

Article/Paragraph:

Proposed Substitution:

SEE ATTACHED

Manufacturer: 
Address: 
Phone: 

Trade Name: 
Model No.: 

Installer: 
Address: 
Phone: 

History: New product 2-5 years old 5-10 years old More than 10 years old

Differences between proposed substitution and specified product:

□ Point-by-point comparative data attached - REQUIRED BY Fill in if required

Reason for not providing specified item:

Similar Installation:
Project: 
Address: 
Architect: 
Owner: 
Date Installed:

Proposed substitution affects other parts of Work: □ No □ Yes; explain

Savings to Owner for accepting substitution: $ ( )

Proposed substitution changes Contract Time: □ No □ Yes [Add] [Deduct] _______________ days.

Supporting Data Attached: □ Drawings □ Product Data □ Samples □ Tests □ Reports □ 

© Copyright 1996, Construction Specifications Institute.
99 Canal Center Plaza, Suite 300 Alexandria, VA 22314

Page of

September 1996
CSI Form 13.1A
SUBSTITUTION REQUEST

(Continued)

The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: TERRA MOREHOUSE

Signed by: TOM DICKMAN

Firm: AMBIENT LIGHTING AND CONTROLS

Address: 2610 N VAN MATER RD #3, SPOKANE VALLEY WA 99206

Telephone: 509-922-5011

Attachments:


A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01330.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Date:

Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ A/E ☐
Job Name
ITD - ATHOL MAINTENANCE BUILDING - PRIOR
AMBIENT18-51153
6303 E PARKS RD, ATHOL, 83801 ID

Bid Date
May 1, 2018

Submit Date
Apr 17, 2018
**Transmittal**

Ambient Lighting & Controls LLC  
2610 N Van Marter Rd #3  
Spokane Valley WA 99206  
Phone: (509) 922-5011  
From: Terra Morehouse

**Project**  
ITD - ATHOL MAINTENANCE BUILDING - PRIOR

**Quote#**  
AMBIENT18-51153

**Location**  
6303 E PARKS RD, ATHOL, 83801 ID

Contact:

---

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- [ ] Drawings
- [ ] Specifications
- [ ] Information
- [x] Submittals

---

THESE ARE TRANSMITTED FOR:

- [x] Prior Approval
- [ ] Resubmittal for Approval
- [ ] Record

---

<table>
<thead>
<tr>
<th>Type</th>
<th>MFG</th>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Industrial Lighting Products</td>
<td>HHB-178WLED-UNIV-50-FRL-CORDX</td>
</tr>
<tr>
<td></td>
<td>23,200 lumen LED High Bay with 5000K diodes, frosted lens and a universal voltage driver</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Item Note:</strong> SPECIFY CORD LENGTH</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Metalux</td>
<td>4WNLED-LD4-40SL-F-UNV-LB40-CD1-U</td>
</tr>
<tr>
<td></td>
<td><strong>48” LED WRAPAROUND, 4000 LM, 40K, 0-10V</strong></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Metalux</td>
<td>4SNLED-LD5-47SL-LW-UNV-L840-CD1-U</td>
</tr>
<tr>
<td>D</td>
<td>Visionaire Lighting, LLC</td>
<td>SPK-4-ALD-72LC-3-4K-UNV-WM-BZ</td>
</tr>
<tr>
<td>E</td>
<td>Emergilight</td>
<td>ELXN400R-2LED</td>
</tr>
<tr>
<td></td>
<td>Remote Capacity Combo, Red</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Emergilight</td>
<td>ELXN400R-2LED</td>
</tr>
<tr>
<td></td>
<td>Remote Capacity Combo, Red</td>
<td></td>
</tr>
</tbody>
</table>
HIMALAYAN HIGH BAY FROSTED - 178W LED

**FEATURES**
- 22 Ga Steel
- Post Painted White
- Frosted Lens Standard
- 4000K & 5000K Color Options
- V-Clips Standard
- 0 - 10V Dimmable Driver (100% - 5%)
- 5 Year Warranty
- DesignLights Consortium® Premium Qualified Luminarie

**QUICK SHIP (<24hrs)**
- HHB-178WLED-UNIV-50-FRL
- HHB-178WLED-UNIV-40-FRL
  These Configurations Only

**LED SYSTEMS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculated Lp (TM-21)</td>
<td>&gt;100K</td>
</tr>
<tr>
<td>Delivered Lumens</td>
<td>23,318 lm</td>
</tr>
<tr>
<td>Total Input Watts</td>
<td>178 W</td>
</tr>
<tr>
<td>Lumen Efficacy Rating (LER)</td>
<td>131 lm/W</td>
</tr>
<tr>
<td>Correlated Color Temperature</td>
<td>6000K</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Maximum Ambient Temperature</td>
<td>122°F</td>
</tr>
<tr>
<td>Minimum Ambient Temperature</td>
<td>-4°F</td>
</tr>
<tr>
<td>Universal Driver</td>
<td>120-277 V</td>
</tr>
</tbody>
</table>

LED System data above based on HHB-178WLED-UNIV-50-FRL

**SUITABLE APPLICATIONS**
- Warehouses
- Distribution Centers
- Manufacturing Plants
- Gymnasiums

**ORDERING GUIDE:**

<table>
<thead>
<tr>
<th>Source</th>
<th>LED</th>
<th>Driver</th>
<th>Color</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>HHB Himalayan High Bay</td>
<td>178WLED</td>
<td>UNIV 50</td>
<td>FRL</td>
<td>Frosted Acrylic Lens</td>
</tr>
<tr>
<td></td>
<td>PCL</td>
<td></td>
<td></td>
<td>Clear Polycarbonate Lens .125”</td>
</tr>
<tr>
<td></td>
<td>WC</td>
<td></td>
<td></td>
<td>11 G Wire Cage</td>
</tr>
<tr>
<td></td>
<td>FIOS</td>
<td></td>
<td></td>
<td>On/Off Occupancy Sensor</td>
</tr>
<tr>
<td></td>
<td>FIOS/PC</td>
<td></td>
<td></td>
<td>On/Off Occupancy Sensor w/ Photocell</td>
</tr>
<tr>
<td></td>
<td>FIOS/PC/DLH</td>
<td></td>
<td></td>
<td>Daylight Harvesting w/ Motion &amp; Photocell</td>
</tr>
<tr>
<td></td>
<td>USBD</td>
<td></td>
<td></td>
<td>User Select Bi-level Dim w/ Occ. Sensor</td>
</tr>
<tr>
<td></td>
<td>8Dxx</td>
<td></td>
<td></td>
<td>Preset Bi-level Dim Sensor (20% eg 20:30)</td>
</tr>
<tr>
<td></td>
<td>8DxxPC</td>
<td></td>
<td></td>
<td>Preset Bi-level Dim Sensor w/ Photocell</td>
</tr>
<tr>
<td></td>
<td>FILLBCP10</td>
<td></td>
<td></td>
<td>10V LED Factory Installed Battery Backup</td>
</tr>
<tr>
<td></td>
<td>FILLBCP12</td>
<td></td>
<td></td>
<td>12V LED Factory Installed Battery Backup</td>
</tr>
<tr>
<td></td>
<td>CORDx</td>
<td></td>
<td></td>
<td>Cord (x = 6)</td>
</tr>
<tr>
<td></td>
<td>HB-XX-18Y-PAD</td>
<td></td>
<td></td>
<td>Toggle Cable System (x = w)</td>
</tr>
<tr>
<td></td>
<td>SMBKIT</td>
<td></td>
<td></td>
<td>Surface Mount Bracket Kit</td>
</tr>
<tr>
<td></td>
<td>CPMB*</td>
<td></td>
<td></td>
<td>Center Point Mounting Box</td>
</tr>
<tr>
<td></td>
<td>HOOK*</td>
<td></td>
<td></td>
<td>Cast Iron Hook</td>
</tr>
<tr>
<td></td>
<td>HUB 3/4 CONDUIT*</td>
<td></td>
<td></td>
<td>Conduit Hub 3/4”</td>
</tr>
<tr>
<td></td>
<td>SD480</td>
<td></td>
<td></td>
<td>480V Step Down Transformer</td>
</tr>
<tr>
<td></td>
<td>SD347</td>
<td></td>
<td></td>
<td>347V Step Down Transformer</td>
</tr>
</tbody>
</table>

*CPMB must be used with either HOOK or HUB 3/4 CONDUIT and vice versa.

www.ilp-inc.com  Industrial Lighting Products  407-478-3759

Submitted On: Apr 17, 2018  Index Page
HIMALAYAN HIGH BAY FROSTED - 178W

HIGH BAY

MOUNTING OPTIONS

- HB-XX-18Y-PAD - Adjustable Y-Paddle Cables (60°, 120°, or 180°)
- SMBKIT - Surface Mount Bracket Kit
- CPMB - Center Point Mounting Box for Single Point Mounting (Must use with HOOK or HUB 3/4 CONDUIT)
- HOOK - Cast Iron Hook for Single Point Mounting (CPMB Required)
- HUB 3/4 CONDUIT - Conduit Hub 3/4" for Pendant Mounts (CPMB Required)

HB-XX-18Y-PAD
SMBKIT
CPMB
HOOK
HUB 3/4 CONDUIT

www.iip-inc.com

Industrial Lighting Products

Catalog Number: HHB-178WLED-UNIV-50-FRL-CORDX
Notes: SPECIFY CORD LENGTH

HBM-178WLED-UNIV-50-FRL

SUMMARY DATA
HEATSHIELD TESTED: BOTH
EFFICIENCY (Total): 100.0 %
EFFICIENCY (Downlight): 100.0 %
EFFICIENCY (Uplight): 0.0 %
CIE CLASSIFICATION: DIRECT
LUMENS/LAMP: 3,232,644
NO. OF LAMPS: 1
LUMINOUS OPENING: POINT SOURCE
Width: 0.00 (Feet)
Length: 0.00
Height: 0.00
INPUT WATTS: 178.0

PLANE AND CONE DIAGRAM
CANDELA PLOT

Total Keynotes: Solid 180-Degrees Dashed 270-90 Degrees
Photometric values based upon tests performed in compliance with LM-79 IES files can be downloaded at www.iip-inc.com

Light Output (Lumens) 23,318
Watts 178
Lumens per Watt (Efficacy) 131

Color Accuracy
Color Rendering Index (CRI) 80

LED Lighting Facts®

Light Color:
- Light Color Temperature: 5000K (Daylight)
- Watts: 178
- Input Voltage: 120/277V

All results are according to IESNA LM-79-08. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) operates product test data and results.

VH4 www.lightingfacts.com for the Label Reference Guide.

Registration Number: J142261-A (24-2017)
Model Number: HBM-178WLED-UNIV-50-FRL
Typ: Lighting Facts

407-478-3759
DESCRIPTION

Our updated WNLED series is a versatile utility based, traditionally styled LED wraparound series which can be used in a broad range of commercial, schools, institutional, retail and residential applications. This high quality luminaire series utilizes the latest solid state LED lighting and advanced electronic driver technology which provides optimal lighting performance and maximizing energy savings. WNLED is designed to provide long service life eliminating re-lamping issues and minimizing maintenance common with traditional fluorescent.

SPECIFICATION FEATURES

Construction
Housing consists of die formed cold rolled steel. Ends formed with the housing for strength and provisions for continuous row aligners. Steel end plates with 7/8" KO and light seal embossment. Driver cover can be removed by taking out four pan screws.

Controls
WNLED is powered by Fifth Light, with standard a 0-10V continuous dimming driver that works with any 0-10V control dimmer. Combine with energy saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings. Dimming range is 10% to 100%; varies by control device.

Electrical
Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K, 4000K and 5000K with a typical CRI 85. Projected life is 60,000 hours at 10% lumen output. UL listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Finish
Multilanguage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. High reflective paint after fabrication, baked white enamel finish is standard.

Channel/Wire-Way Cover
Die formed heavy gauge steel. Tight fit for ease of maintenance.

Shielding
Acrylic, high performance, frost blend. Sides have interior linear prisms and bottom has pyramidal prisms for low brightness control.

Installation
Fixture may be surface, pendant, or stem mounted. See accessories below for ordering information.

Compliance
Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details.

MOUNTING DATA

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

<table>
<thead>
<tr>
<th>Stock* MTO**</th>
<th>Lumen Type</th>
<th>Length</th>
<th>Catalog Number</th>
<th>Nominal Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTO Standard</td>
<td>2 ft</td>
<td>2WNLED-LD4-28SLF-UNV-L8XX-CD1-U</td>
<td>2184</td>
<td>28</td>
<td>101</td>
<td></td>
</tr>
<tr>
<td>MTO Standard</td>
<td>4 ft</td>
<td>2WNLED-LD4-32SLF-UNV-L8XX-CD1-U</td>
<td>3838</td>
<td>28</td>
<td>118</td>
<td></td>
</tr>
<tr>
<td>Stock Standard</td>
<td>4 ft</td>
<td>4WNLED-LD4-40SLF-UNV-L8XX-CD1-U</td>
<td>4662</td>
<td>36</td>
<td>113</td>
<td></td>
</tr>
<tr>
<td>Stock Standard</td>
<td>4 ft</td>
<td>4WNLED-LD4-50SLF-UNV-L8XX-CD1-U</td>
<td>7144</td>
<td>47</td>
<td>107</td>
<td></td>
</tr>
</tbody>
</table>

* Stocked in 3500K and 4000K
** Also available in 3000K, 5000K

Submitted On: Apr 17, 2018

Index Page
DESCRIPTION

SNLED Lensed is a narrow LED lensed striplight series. This high quality luminaire is dedicated to the latest solid state lighting and electronic driver technology for optimal performance and energy efficiency. This Lensed product is available with three different lens types.

The small size of the SNLED makes it an ideal choice for size restricted architectural applications. The SNLED Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, coves, display cases, shops, task and general area lighting.

SPECIFICATION FEATURES

Construction
Channel is die formed cold rolled steel with numerous KGs for ease of installation. Groove for Tong Hanger. End piece quickly converts to snap-in channel connector for continuous row alignment. Channel/wireway cover secured with sheet metal screws.

Controls
Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control dimmer. Combine with energy saving products like occupancy sensors, day lighting controls, and lighting relay panels to maximize energy savings. For motion control, reference options for both end and middle of the row applications. Standard dimming is 0-10V to 10% with 1%, step and Fifth Light DALI dimming options available.

Electrical
Long-Life LED system coupled with electronic driver to deliver optimal performance. LED’s available in 3000K, 3500K, 4000K or 5000K with a minimum of 80 CRI. Projected life at 70% lumen maintenance is nearly 170,000 hours with TM21 rating up to 682,000,000 hours. Electronic drivers are cETLus listed and available for 120/277V, 347V and 480V applications.

Emergency Battery Pack Option
Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code-compliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented E2 Key prevents accidental discharge of the battery during construction. See ordering information for details.

Finish
Multisage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. High reflective paint after fabrication, baked white enamel finish is standard.

Channel/Wireway Cover
Die formed heavy gauge steel. Tight fit for ease of maintenance.

Shielding

Installation
Fixture may be surface, pendant, or stem mounted. See accessories below in ordering information.

Compliance
Components are UL recognized. Indoor luminaires are cETLus listed for 40°F ambient environments, RoHS compliant, damp location listed, and comply with IESNA LM-79. LED's comply with LM-80 standards. Drivers are NEMA 410 compliant, DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www. designlights.org for details. Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.

Warranty
Five-year warranty.
<table>
<thead>
<tr>
<th>SNLED Type</th>
<th>Lumen Type</th>
<th>Length</th>
<th>Catalog Number**</th>
<th>Nominal 3500K Lumen</th>
<th>Wattage</th>
<th>Im/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-18SLLC-UNV-UBXX-CD1-U</td>
<td>2043</td>
<td>15.9</td>
<td>128</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-22SLLC-UNV-UBXX-CD1-U</td>
<td>2358</td>
<td>17.2</td>
<td>137</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-28SLLC-UNV-UBXX-CD1-U</td>
<td>2699</td>
<td>20.1</td>
<td>134</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>2 ft.</td>
<td>2SNLED-LDS-34HLCLC-UNV-UBXX-CD1-U</td>
<td>3442</td>
<td>25.8</td>
<td>133</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-18SLLC-UNV-UBXX-CD1-U</td>
<td>1955</td>
<td>14.6</td>
<td>134</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-22SLLC-UNV-UBXX-CD1-U</td>
<td>2382</td>
<td>16.0</td>
<td>149</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-28SLLC-UNV-UBXX-CD1-U</td>
<td>2826</td>
<td>19.3</td>
<td>147</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-30SLLC-UNV-UBXX-CD1-U</td>
<td>3199</td>
<td>22.1</td>
<td>145</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-34SLLC-UNV-UBXX-CD1-U</td>
<td>3567</td>
<td>24.9</td>
<td>143</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-37SLLC-UNV-UBXX-CD1-U</td>
<td>3914</td>
<td>27.7</td>
<td>141</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-41SLLC-UNV-UBXX-CD1-U</td>
<td>4261</td>
<td>30.6</td>
<td>139</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-46SLLC-UNV-UBXX-CD1-U</td>
<td>4708</td>
<td>34.6</td>
<td>136</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-49SLLC-UNV-UBXX-CD1-U</td>
<td>5139</td>
<td>36.7</td>
<td>133</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-52SLLC-UNV-UBXX-CD1-U</td>
<td>5551</td>
<td>42.8</td>
<td>130</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-56SLLC-UNV-UBXX-CD1-U</td>
<td>5950</td>
<td>47.1</td>
<td>126</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-63SLLC-UNV-UBXX-CD1-U</td>
<td>6340</td>
<td>51.5</td>
<td>123</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-66SLLC-UNV-UBXX-CD1-U</td>
<td>6603</td>
<td>54.9</td>
<td>120</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-52HLCLC-UNV-UBXX-CD1-U</td>
<td>5215</td>
<td>37.0</td>
<td>141</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-55HLCLC-UNV-UBXX-CD1-U</td>
<td>5569</td>
<td>40.0</td>
<td>139</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-60HLCLC-UNV-UBXX-CD1-U</td>
<td>5920</td>
<td>43.0</td>
<td>138</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-76HLCLC-UNV-UBXX-CD1-U</td>
<td>7698</td>
<td>61.8</td>
<td>125</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-06SUCLC-UNV-UBXX-CD1-U</td>
<td>6399</td>
<td>44.1</td>
<td>145</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-08SUCLC-UNV-UBXX-CD1-U</td>
<td>7134</td>
<td>49.7</td>
<td>143</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-07SUCLC-UNV-UBXX-CD1-U</td>
<td>7829</td>
<td>55.4</td>
<td>141</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-06SLLC-UNV-UBXX-CD1-U</td>
<td>8522</td>
<td>61.2</td>
<td>139</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-06SLLC-UNV-UBXX-CD1-U</td>
<td>9415</td>
<td>60.2</td>
<td>136</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-08SLLC-UNV-UBXX-CD1-U</td>
<td>10277</td>
<td>77.4</td>
<td>133</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>Standard</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-105LCLC-UNV-UBXX-CD1-U</td>
<td>11102</td>
<td>85.6</td>
<td>130</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-130HLCLC-UNV-UBXX-CD1-U</td>
<td>11839</td>
<td>85.9</td>
<td>138</td>
</tr>
<tr>
<td>Clear Lens (LC)</td>
<td>High</td>
<td>8 ft.</td>
<td>8TSNLED-LDS-170HLCLC-UNV-UBXX-CD2-U</td>
<td>15396</td>
<td>123.6</td>
<td>125</td>
</tr>
</tbody>
</table>

* Stocked in either 3500K or 4000K. Check Flash for stock availability.
** Lumen portion of catalog number may not match actual lumens.
<table>
<thead>
<tr>
<th>SNLED Type</th>
<th>Lumens Type</th>
<th>Length</th>
<th>Catalog Number**</th>
<th>Nominal 3500K Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LD5-18SL-LN-UNV-LBXX-CD1-U</td>
<td>1983</td>
<td>15.9</td>
<td>125</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LD5-22SL-LN-UNV-LBXX-CD1-U</td>
<td>2289</td>
<td>17.2</td>
<td>133</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LD5-26SL-LN-UNV-LBXX-CD1-U</td>
<td>2620</td>
<td>20.1</td>
<td>130</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LD5-32SL-LN-UNV-LBXX-CD1-U</td>
<td>3341</td>
<td>25.8</td>
<td>130</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-18SL-LN-UNV-LBXX-CD1-U</td>
<td>1898</td>
<td>14.6</td>
<td>130</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-22SL-LN-UNV-LBXX-CD1-U</td>
<td>2313</td>
<td>16.0</td>
<td>144</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-26SL-LN-UNV-LBXX-CD1-U</td>
<td>2744</td>
<td>19.3</td>
<td>142</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-30SL-LN-UNV-LBXX-CD1-U</td>
<td>3106</td>
<td>22.1</td>
<td>141</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-34SL-LN-UNV-LBXX-CD1-U</td>
<td>3463</td>
<td>24.9</td>
<td>139</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-37SL-LN-UNV-LBXX-CD1-U</td>
<td>3800</td>
<td>27.1</td>
<td>137</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-41SL-LN-UNV-LBXX-CD1-U</td>
<td>4137</td>
<td>30.6</td>
<td>135</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-45SL-LN-UNV-LBXX-CD1-U</td>
<td>4570</td>
<td>34.6</td>
<td>132</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-49SL-LN-UNV-LBXX-CD1-U</td>
<td>4969</td>
<td>38.7</td>
<td>129</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-53SL-LN-UNV-LBXX-CD1-U</td>
<td>5369</td>
<td>42.8</td>
<td>126</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-56SL-LN-UNV-LBXX-CD1-U</td>
<td>5777</td>
<td>47.1</td>
<td>123</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-61SL-LN-UNV-LBXX-CD1-U</td>
<td>6155</td>
<td>51.5</td>
<td>120</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-64SL-LN-UNV-LBXX-CD1-U</td>
<td>6410</td>
<td>54.9</td>
<td>117</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-50HL-LN-UNV-LBXX-CD1-U</td>
<td>5063</td>
<td>37.0</td>
<td>137</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-54HL-LN-UNV-LBXX-CD1-U</td>
<td>5407</td>
<td>40.0</td>
<td>135</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-60HL-LN-UNV-LBXX-CD1-U</td>
<td>5747</td>
<td>43.0</td>
<td>134</td>
</tr>
<tr>
<td>Semi-Frost Lens (LN)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LD5-74HL-LN-UNV-LBXX-CD1-U</td>
<td>7474</td>
<td>61.8</td>
<td>121</td>
</tr>
</tbody>
</table>

* Stocked in either 3500K or 4000K. Check Flash for stock availability.

** Lumens portion of catalog number may not match actual lumens.
## WATTAGE

<table>
<thead>
<tr>
<th>SNLED Type</th>
<th>Lumen Type</th>
<th>Length</th>
<th>Catalog Number**</th>
<th>Nominal 3500K Lumen</th>
<th>Wattage</th>
<th>lm/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-16SL-LW-UNV-LBXX-CD1-U</td>
<td>1825</td>
<td>15.5</td>
<td>115</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-20SL-LW-UNV-LBXX-CD1-U</td>
<td>2106</td>
<td>17.2</td>
<td>122</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>2 ft.</td>
<td>2SNLED-LDS-23SL-LW-UNV-LBXX-CD1-U</td>
<td>2410</td>
<td>20.1</td>
<td>120</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>High</td>
<td>2 ft.</td>
<td>2SNLED-LDS-30HL-LW-UNV-LBXX-CD1-U</td>
<td>2936</td>
<td>25.8</td>
<td>114</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-16SL-LW-UNV-LBXX-CD1-U</td>
<td>1746</td>
<td>14.6</td>
<td>120</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-20SL-LW-UNV-LBXX-CD1-U</td>
<td>2128</td>
<td>18.0</td>
<td>133</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-23SL-LW-UNV-LBXX-CD1-U</td>
<td>2524</td>
<td>19.3</td>
<td>131</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-27SL-LW-UNV-LBXX-CD1-U</td>
<td>2857</td>
<td>22.1</td>
<td>130</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-30SL-LW-UNV-LBXX-CD1-U</td>
<td>3186</td>
<td>24.9</td>
<td>128</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-33SL-LW-UNV-LBXX-CD1-U</td>
<td>3495</td>
<td>27.7</td>
<td>126</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-37SL-LW-UNV-LBXX-CD1-U</td>
<td>3805</td>
<td>30.6</td>
<td>124</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-41SL-LW-UNV-LBXX-CD1-U</td>
<td>4204</td>
<td>34.6</td>
<td>122</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-44SL-LW-UNV-LBXX-CD1-U</td>
<td>4589</td>
<td>38.7</td>
<td>119</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-47SL-LW-UNV-LBXX-CD1-U</td>
<td>4958</td>
<td>42.8</td>
<td>116</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-50SL-LW-UNV-LBXX-CD1-U</td>
<td>5314</td>
<td>47.1</td>
<td>113</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-56SL-LW-UNV-LBXX-CD1-U</td>
<td>5662</td>
<td>51.5</td>
<td>110</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>Standard</td>
<td>4 ft.</td>
<td>4SNLED-LDS-58SL-LW-UNV-LBXX-CD1-U</td>
<td>5837</td>
<td>54.9</td>
<td>107</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-44HL-LW-UNV-LBXX-CD1-U</td>
<td>4449</td>
<td>37.0</td>
<td>120</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-48HL-LW-UNV-LBXX-CD1-U</td>
<td>4751</td>
<td>40.0</td>
<td>119</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-54HL-LW-UNV-LBXX-CD1-U</td>
<td>5051</td>
<td>43.0</td>
<td>118</td>
</tr>
<tr>
<td>Full Frost Lens (LW)</td>
<td>High</td>
<td>4 ft.</td>
<td>4SNLED-LDS-55HL-LW-UNV-LBXX-CD1-U</td>
<td>6568</td>
<td>61.8</td>
<td>106</td>
</tr>
</tbody>
</table>

* Stocked in either 3500K or 4000K. Check Flash for stock availability.

** Lumen portion of catalog number may not match actual lumens.

## PHOTOMETRICS

See website for IES/photometric files

## TYPICAL LUMEN MAINTENANCE

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>TM-21 Lumen Maintenance (60,000 hours)</th>
<th>Theoretical L70 (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>&gt; 82%</td>
<td>170,000</td>
</tr>
</tbody>
</table>

Max Ambient temp in compliance with UL and CSA: 40°C
SmartPak LED wall mount luminaires are an ideal choice for cost-effective, highly-efficient lighting. The SPK perfectly illuminates building facades, pedestrian pathways, alleys, parking garages and security areas.

Housing: The SmartPak’s housing is constructed from durable, corrosion-resistant die cast aluminum with threaded knockouts for a conduit or photocell.

Finish: Durable Quali-Guard® textured polyester powder coat, oven-baked at a temperature of 400 °F to promote maximum adherence and finish hardness. Finish is guaranteed for five (5) years.

Options: Offered in an Asymmetrical Light Distribution.

LED: High lumen output VisionBar™ LEDs, with an estimated life of 150,000+ hours, are utilized. Available in 24-, 48- or 72-LED configurations, and in two Kelvin temperatures ~4000K and 5000K. 10 kV surge protector supplied as standard.

Driver: A high-performance LED driver operates at 120 through 277 volts, 50 to 60 Hz, with a 90% power factor, and is rated for -40 °C operation.

#### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Optics</th>
<th>Source</th>
<th>Milliamps</th>
<th>Kelvin</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPK-3</td>
<td>Asymmetrical Light Distribution (ALD)</td>
<td># of LEDs 24 (24LC)</td>
<td>mA 350 (3)</td>
<td>4000K *Neutral white (4K)</td>
<td>120-277 *Universal voltage (UNV)</td>
<td>WallMount (WM)</td>
<td>Bronze (BZ)</td>
<td>Black (BK)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>48 (48LC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>White (WH)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>72 (72LC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silver Metallic (SL)</td>
<td></td>
</tr>
<tr>
<td>SPK-4</td>
<td>Asymmetrical Light Distribution (ALD)</td>
<td># of LEDs 48 (48LC)</td>
<td>mA 350 (3)</td>
<td>5000K *Commercial (SK)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>48 (48LC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>72 (72LC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### SMARTPAK-2 ISOLUX CURVE

ALD OPTICS

48 LEDs @ 350 mA

Nominal Watts = 50

Scale 1 Square = 12 ft

Light Loss Factor = 1.00

Mounting Height = 12 ft

Arrangement: Single

---

Submitted On: Apr 17, 2018
ELXN400 LED Series
Low energy and low maintenance for moderate budget application

Features
- Fully adjustable LED glare-free headlight
- 3 V/3.6V/9V/12V line voltage LED illumination
- Legend illumination by red or green long-life LEDs
- Universal faces, 2 faceplates and backplate included
- Construction
  - Frame, faceplate, backplate and canopy are made of injection-molded, UV stabilized thermoplastic
  - UL344, 500V flame rated body
  - Snap-together design
  - Corrosion and scratch-resistant of white or black color
- Electrical
  - 3/6V Nickel-Metal Hydride battery
  - Dual-voltage input capability 120/277VAC
- Installation
  - Surface mount ceiling or wall
  - Canopy included for ceiling installation
  - Backplate features universal knockouts for a standard 4" junction box, used in wall mount applications
- UL listed
- UL254 Listed
- Damp Location listing is standard (60°F to 85°F)
- NFPA 101 (Life Safety Code), NFPA 70 (NEC) and OSHA illumination standard
- Warranty
  - 3-year limited warranty
  - Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Power Consumption

<table>
<thead>
<tr>
<th>Model</th>
<th>Current (A) / Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELX400R-2LED</td>
<td>0.044/0.017</td>
</tr>
<tr>
<td>ELX400G-2LED</td>
<td>0.032/0.015</td>
</tr>
<tr>
<td>ELX400R-2LED6</td>
<td>0.037/0.016</td>
</tr>
<tr>
<td>ELX400G-2LED6</td>
<td>0.036/0.016</td>
</tr>
<tr>
<td>ELX400R-2LED40</td>
<td>0.050/0.017</td>
</tr>
<tr>
<td>ELX400G-2LED40</td>
<td>0.050/0.017</td>
</tr>
</tbody>
</table>

How to Order - Combination Unit

<table>
<thead>
<tr>
<th>SERIES</th>
<th>LEGEND COLOR</th>
<th>LAMP</th>
<th>OPTIONS</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELX400R-2LED</td>
<td>R= Red exit</td>
<td>R= Round LED array</td>
<td>Blank= No option</td>
<td>Blank= White</td>
</tr>
<tr>
<td></td>
<td>G= Green exit</td>
<td></td>
<td>R= Remote capacity to power one double head/multiple*</td>
<td>B= Black</td>
</tr>
</tbody>
</table>

* Remote capacity can only be used to power the EF450 or EF460 remote fixtures or to extend the battery unit emergency run time beyond the standard 90 minutes.
ELXN400 LED Series
Low energy and low maintenance for moderate budget application

Features
- Fully adjustable LED glare-free heads
- 3-IV-1.5W long-life LED illumination
- Legend illumination by red or green long-life LEDs
- Universal facets, 2 faceplates and backplate included

Construction
- Frame, faceplate, backplate and canopy are made of injection molded, UV stabilized thermoplastic
- UL94, 5VA flame rated body
- Snap-together design
- Corrosion and scratch-resistant of white or black color

Electrical
- 3.6V Nickel-Metal Hydride battery
- Dual-voltage/input capability 120/277VAC

Installation
- Surface mount ceiling or wall
- Canopy included for ceiling installation
- Backplate features universal knockoutst for a standard 4" junction box, used in wall mount applications

Listings
- UL2204 Listed
- Damp location sensing is standard (69°F to 85°F)
- NFPA 101 Life Safety Code, NFPA 70 NEC and CSHA illumination standard

Warranty
- 3-year limited warranty
- Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Power Consumption

<table>
<thead>
<tr>
<th>Model</th>
<th>Current (A) / Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120/277VAC, 50Hz</td>
</tr>
<tr>
<td>ELXN400R-LED</td>
<td>0.044/4.017A</td>
</tr>
<tr>
<td>ELXN400G-LED</td>
<td>0.032/2.015A</td>
</tr>
<tr>
<td>ELXN400R-2LED</td>
<td>0.037/4.05A</td>
</tr>
<tr>
<td>ELXN400G-2LED</td>
<td>0.030/2.05A</td>
</tr>
<tr>
<td>ELXN400R-2LED-AD</td>
<td>0.039/4.017A</td>
</tr>
<tr>
<td>ELXN400G-2LED-AD</td>
<td>0.038/2.017A</td>
</tr>
</tbody>
</table>

Suggested Specification
Supply and install the Emergi-lite® ELXN400-Led Series Combo Exit/emergency light unit. The compact housing and canopy shall be of impact resistant thermoplastic and allow for ceiling or wall installations. The overall dimensions (including canopy) shall be not more than 18-1/2in long by 8-1/2in high by 3in deep. The exit legend light source shall be long-life LEDs installed on a PCB strip. The emergency light source shall be long-life high output white LEDs with reflector/refractor combination optics inside a round shape housing. Unit shall have a dual input voltage of 120/277Vac 60Hz, be supplied with sealed Nickel-Metal Hydride maintenance free battery, and perform minimum 90 minutes of emergency illumination upon AC failure. The equipment shall be UL-924 listed for Damp location 50°F to 104°F (10°C to 40°C). The equipment shall be Emergi-lite® model: ________

Dimensions
Dimensions are approximate and subject to change.

How to Order - Combination Unit

Example: ELXN400R-2LED

Thomas & Betts
A Member of the ABB Group