



Athol Maintenance Building A405070

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 PEMP 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”.

2.7 Door Assembly – I. Electrical Door Operator -4. Emergency Manual Operation: Delete: Push-Up”.

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 MAINTENANCE BUILDING Substitution Request Number: _____

 From: AMBIENT LIGHTING & CONTROLS

 To: BRADLEY ENGINEERING Date: April 18, 2018

 A/E Project Number: 16-69
 Re: SUBSTITUTION REQUEST-LIGHTING Contract For: LIGHTING

Specification Title: LIGHTING Description: _____
 Section: 16500 Page: _____ 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 HONK
 proposed substitution _____
 and specified product: _____

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

Reason for not providing N/A
 specified item: _____

Similar Installation:
 Project: _____ Architect: _____
 Address: _____ 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 _____

**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 (TUM)

TOM DICKMAN

Firm:

AMBIENT LIGHTING AND CONTROLS

Address:

2610 N VAN MARGER 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 _____

[a]mbientlighting
& controls

Date: Apr 17, 2018

Ambient Lighting & Controls LLC
2610 N Van Marter Rd #3
Spokane Valley WA 99206
Phone: (509) 922-5011
Fax: (509) 922-5017

Job Name
ITD - ATHOL MAINTENANCE BUILDING - PRIOR
AMBIENT18-51153
6303 E PARKS RD, ATHOL, 83801 ID

Bid Date
May 1, 2018

Submittal 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:

- | | | |
|-----------------------------------|--|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input checked="" type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input checked="" type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
A	Industrial Lighting Products	HHB-178WLED-UNIV-50-FRL-CORDX 23,200 lumen LED High Bay with 5000K diodes, frosted lens, and a universal voltage driver Item Note: SPECIFY CORD LENGTH
B	Metalux	4WNLED-LD4-40SL-F-UNV-L840-CD1-U 48" LED WRAPAROUND, 4000 LM, 40K, 0-10V
C	Metalux	4SNLED-LD5-47SL-LW-UNV-L840-CD1-U
D	Visionaire Lighting, LLC	SPK-4-ALD-72LC-3-4K-UNV-WM-BZ
E	Emergilite	ELXN400R-2LEDR Remote Capacity Combo, Red
F	Emergilite	ELXN400R-2LEDR Remote Capacity Combo, Red

Submitted by Ambient Lighting & Controls LLC		Catalog Number: HHB-178WLED-UNIV-50-FRL- CORDX Notes: SPECIFY CORD LENGTH	Type: A AMB ENT18-51153
[a]mbientlighting & controls	Job Name: ITD - ATHOL MAINTENANCE BUILDING - PRIOR		

Project Name:	
Catalog Number:	Fixture Type:
Volts / Watts:	Lamps / Board:



HIMALAYAN HIGH BAY FROSTED - 178W LED

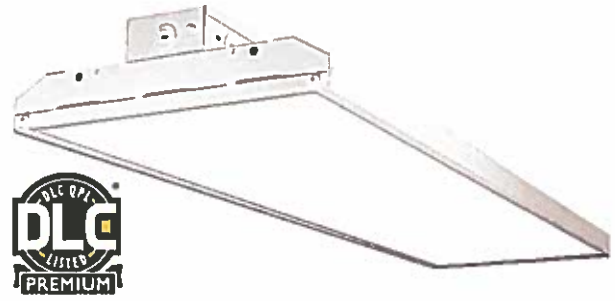
FEATURES

- 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 Luminaire

REPLACES: 400W MH / 6T5HO / 8T8

QUICK SHIP (<24hrs)

- HHB-178WLED-UNIV-50-FRL
 - HHB-178WLED-UNIV-40-FRL
- These Configurations Only



LED SYSTEMS

Calculated L ₇₀ (TM-21)	>100K
Delivered Lumens	23,318 lm
Total Input Watts	178 W
Luminaire Efficacy Rating (LER)	131 lm/W
Correlated Color Temperature (CCT)	5000K
Color Rendering Index (CRI)	>80
Maximum Ambient Temperature	122°F
Minimum Ambient Temperature	-4°F
Universal Driver	120-277 V

SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Manufacturing Plants
- Gymnasiums

LED System data above based on HHB-178WLED-UNIV-50-FRL
LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient.



ORDERING GUIDE:

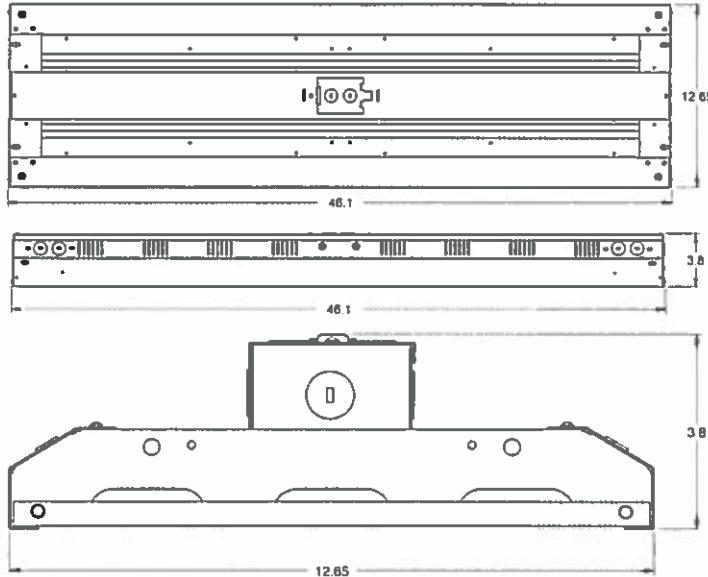
HHB	178WLED	UNIV	50	e.g. FIOS
Series	LED	Driver	Color	Options

- | | | | | | |
|---|----------------------------------|--|-----------------------------|---|---|
| <input type="checkbox"/> HHB Himalayan High Bay | <input type="checkbox"/> 178WLED | <input type="checkbox"/> UNIV 120-277 Driver | <input type="checkbox"/> 60 | <input checked="" type="checkbox"/> FRL | Frosted Acrylic Lens |
| | | | <input type="checkbox"/> 40 | <input type="checkbox"/> PCL | Clear Polycarbonate Lens .125" |
| | | | | <input type="checkbox"/> WC | 11 Ga Wire Cage |
| | | | | <input type="checkbox"/> FIOS | On/Off Occupancy Sensor |
| | | | | <input type="checkbox"/> FIOS/PC | On/Off Occupancy Sensor w/ Photocell |
| | | | | <input type="checkbox"/> FIOSPC/DLH | Daylight Harvesting w/ Motion & Photocell |
| | | | | <input type="checkbox"/> USBD | User Select Bi-level Dim w/ Occ. Sensor |
| | | | | <input type="checkbox"/> BDxx | Preset Bi-level Dim Sensor (xx=% eg. 20,30) |
| | | | | <input type="checkbox"/> BDxxPC | Preset Bi-level Dim Sensor w/ Photocell |
| | | | | <input type="checkbox"/> FVILBCP10 | 10W LED Factory Installed Battery Backup |
| | | | | <input type="checkbox"/> FVILBCP12 | 12W LED Factory Installed Battery Backup |
| | | | | <input type="checkbox"/> CORDx | Cord (x = ft) |
| | | | | <input type="checkbox"/> HB-XX-18Y-PAD | Toggle Cable System (xx = in) |
| | | | | <input type="checkbox"/> SMBKIT | Surface Mount Bracket Kit |
| | | | | <input type="checkbox"/> CPMB* | Center Point Mounting Box |
| | | | | <input type="checkbox"/> HOOK* | Cast Iron Hook |
| | | | | <input type="checkbox"/> HUB 3/4 CONDUIT* | Conduit Hub 3/4" |
| | | | | <input type="checkbox"/> SD480 | 480V Step Down Transformer |
| | | | | <input type="checkbox"/> SD347 | 347V Step Down Transformer |

SPECIFY
CORD
LENGTH

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

HIMALAYAN HIGH BAY FROSTED - 178W
HIGH BAY



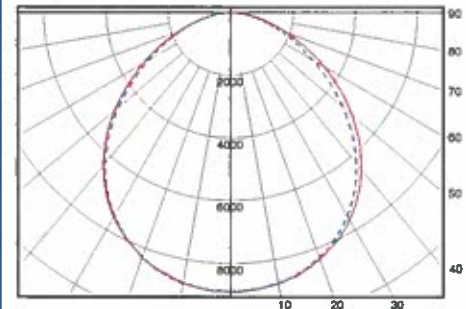
HHB-178WLED-UNIV-50-FRL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	23220.44
NO. OF LAMPS:	1
LUMINOUS OPENING: POINT SOURCE	
Width:	0.00 (Feet)
Length:	0.00
Height:	0.00
INPUT WATTS:	178.9

PLANE AND CONE DIAGRAM

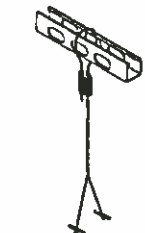
CANDELA PLOT



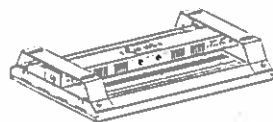
Totally Asymmetric Solid: 180-Degree Dashed: 270-90 Degree
Photometric values based upon tests performed in compliance with LM-79.
IES files can be downloaded at www.ilp-inc.com

MOUNTING OPTIONS

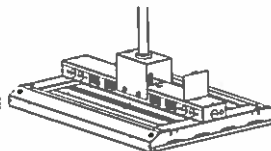
- HB-XX-18Y-PAD - Adjustable Y-Paddle Cables (60", 120", or 180")
- SMBKIT - Surface Mount Bracket Kit
- CPMB - Center Point Mounting Box for Single Point Mounting
(Must use with HOOK or HUB 3/4 CONDUIT)
- HOOK - Cast Iron Hook for Single Point Mounting (CPMB Required)
- HUB 3/4 CONDUIT - Conduit Hub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



HB-XX-18Y-PAD



SMBKIT



CPMB



HOOK



HUB 3/4 CONDUIT

www.ilp-inc.com

Industrial Lighting Products

407-478-3759

Industrial Lighting Products

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	23318
Watts	178
Lumens per Watt (Efficacy)	131

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
(International Color Rendering Index (CRI))

5000 (Daylight)

2700K
3000K
4500K
6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

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

Registration Number - DV2NVR (3/1/2017)
Model Number - HHB-178WLED-UNIV-50-FRL
Type: Luminaire - Industrial

Metalux

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.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

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 70% lumen output. UL listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Finish

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

Channel/Wiraway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance.

Shielding

Acrylic, high performance, frost blend. Sides have inside 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.

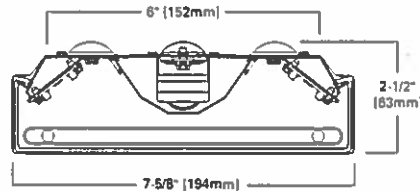
Compliance

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.

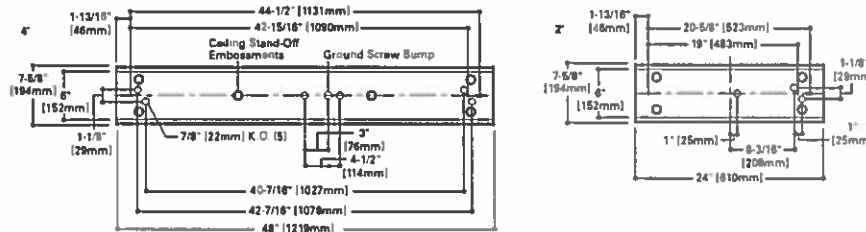


WNLED LED

Utility LED Wraparound



MOUNTING DATA



ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Stock*/MTO**	Lumen Type	Length	Catalog Number	Nomial Lumens	Wattage	lm/W
MTO	Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2786	28	101
MTO	Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3298	28	118
Stock	Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4062	36	113
Stock	Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	4966	47	107

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

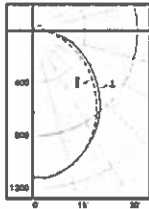
WATTAGE

Length	Lumens	Wattage
2 ft.	2800	28
4 ft.	3200	28
4 ft.	4000	36
4 ft.	5000	47



WNLED

PHOTOMETRICS



4WNLED-LD4-32SL-F-UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion:
(II) 1.2 x mounting height, (L) 1.2 x mounting height
Lumens: 3298
Input Watts: 28.0W
Efficacy: 117.8 lm/W
Test Report:
4WNLED-LD4-32SL-F-UNV-L835-CD1-U.IES

Candlepower

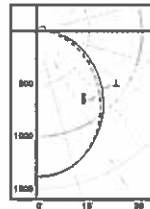
Angle	Along II	48°	Across L
0	1124	1124	1124
5	1124	1126	1118
10	1103	1102	1100
15	1069	1071	1071
20	1023	1029	1031
25	966	978	978
30	899	913	918
35	828	845	853
40	747	771	781
45	669	695	707
50	586	615	631
55	504	535	554
60	422	455	476
65	342	377	400
70	265	302	327
75	190	231	257
80	121	164	180
85	66	100	125
90	0	44	70

Coefficients of Utilization

RCR	Effective floor cavity reflectance																	
	80%		70%		60%		50%											
rw	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10		
0	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94	
1	107	102	97	83	103	99	95	81	94	90	87	89	86	84	84	82	80	78
2	97	89	82	76	94	88	80	74	82	76	72	78	73	69	74	70	67	64
3	88	78	69	63	85	78	68	62	72	65	60	68	63	59	65	60	57	54
4	81	69	60	53	78	67	58	53	64	57	51	61	56	50	58	53	49	46
5	74	62	52	46	72	60	52	45	57	50	44	55	48	43	52	47	42	40
6	69	56	46	40	66	54	46	40	52	44	39	50	43	38	47	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	29	24	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	855	25.9
0-40	1381	41.9
0-60	2390	72.5
0-90	3109	94.3
0-180	3298	100.0



4WNLED-LD4-40SL-F-UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion:
(II) 1.2 x mounting height, (L) 1.2 x mounting height
Lumens: 4052
Input Watts: 36.0W
Efficacy: 112.8 lm/W
Test Report:
4WNLED-LD4-40SL-F-UNV-L835-CD1-U.IES

Candlepower

Angle	Along II	48°	Across L
0	1388	1388	1388
5	1385	1380	1375
10	1360	1357	1354
15	1318	1320	1320
20	1261	1266	1268
25	1190	1201	1203
30	1109	1125	1128
35	1018	1042	1049
40	927	951	964
45	823	857	868
50	721	759	773
55	620	660	678
60	521	561	574
65	421	464	482
70	326	372	403
75	234	285	317
80	148	201	233
85	70	123	164
90	1	57	89

Coefficients of Utilization

RCR	Effective floor cavity reflectance																	
	80%		70%		60%		50%											
rw	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10		
0	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94	
1	107	102	97	83	103	99	95	81	94	90	87	89	86	84	84	82	80	78
2	97	89	82	76	94	88	80	74	82	76	72	78	73	69	74	70	67	64
3	88	78	69	63	85	78	68	62	72	65	60	68	63	59	65	60	57	54
4	81	69	60	53	78	67	58	53	64	57	51	61	56	50	58	53	49	46
5	74	62	52	46	72	60	52	45	57	50	44	55	48	43	52	47	42	40
6	69	56	46	40	66	54	46	40	52	44	39	50	43	38	47	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	29	24	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1054	25.9
0-40	1702	41.9
0-60	2845	72.5
0-90	3632	94.3
0-180	4052	100.0

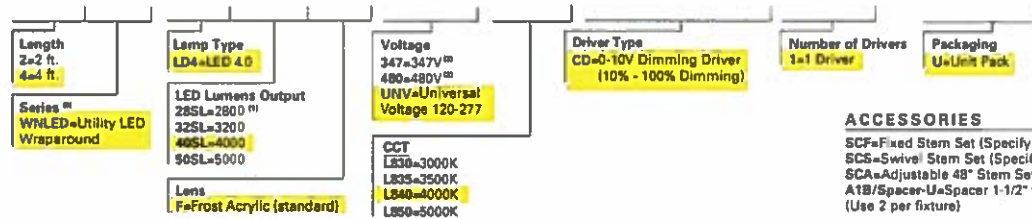
LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (12,000 hours)	Theoretical L70 (Hours)
25°C	80.7%	85,000

Max Ambient temp in compliance with UL: 40°C

ORDERING INFORMATION

SAMPLE NUMBER: 4WNLED-LD4-40SL-F-UNV-L840-CD1-U



ACCESSORIES

- SCF=Fixed Stem Set (Specify Length)
- SCS=Swivel Stem Set (Specify Length)
- SCA=Adjustable 48" Stem Set
- A18/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 per fixture)

NOTES: ⁽¹⁾ 2 ft. model, ⁽²⁾ 4 ft. model only. ⁽³⁾ DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details. Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
2WNLED	5 lbs.
4WNLED	9 lbs.



Eaton
1121 Highway 78 South
Peachtree City, GA 30269
P 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice

PS519082EN
2016-06-27 12:07:00

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 KO's for ease of installation. Groove for Tong Hanger. End plate 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 electrical 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 LB2 >60,000 hours. Electronic drivers are cULus recognized 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 EZ Key prevents accidental discharge of the battery during construction. See ordering information for details.

Finish

Multistage 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

Offers three different lensed optical distributions. (LC) Clear with linear optical ribs. (LN) Semi-frost for narrow distribution. (LW) Full frost for wide distribution.

Installation

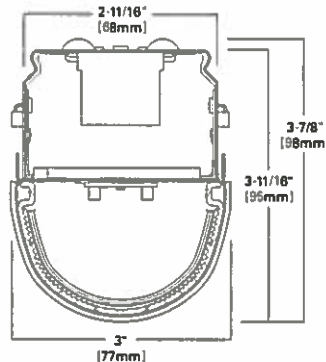
Fixture may be surface, pendant, or stem mounted. See accessories below in ordering information.

Compliance

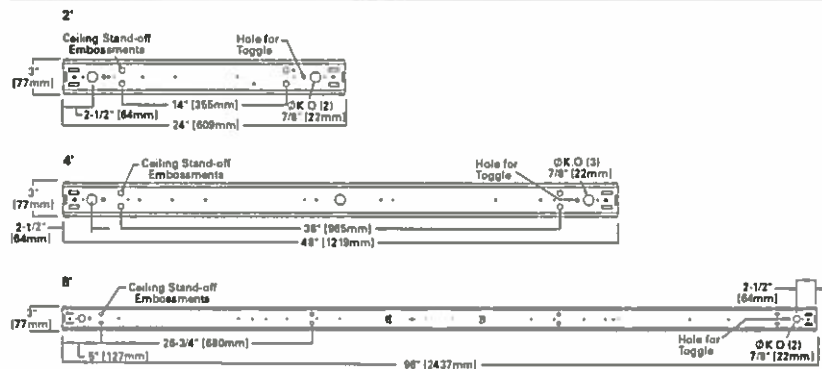
Components are UL recognized. Indoor luminaires are cULus listed for 40° C ambient environments, RoHS compliant, damp location listed, and comply with IESNA LM-79. LEDs comply with LM-80 standards. Drivers are NEMA 410 compliant. DesignLights Consortium® Qualified and classified for both DLC Standard 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.



MOUNTING DATA



Metalux

Catalog #		Type	
Project			
Comments		Date	
Prepared by			



SNLED LENSED LED

Lensed LED Striplight



LINEAR DISCONNECT

Safe and convenient means of disconnecting power



PS519154EN
2-5-2018

Submitted by Ambient Lighting & Controls LLC

[a]mbientlighting
& controls**Job Name:**
ITD - ATHOL MAINTENANCE BUILDING -
PRIOR**Catalog Number:**
4SNLED-LD5-47SL-LW-UNV-L840-
CD1-U

Notes:

Type:**C**

AMBIENT18-51153

SNLED LENSED

WATTAGE

SNLED Type	Lumen Type	Length	Catalog Number**	Nominal 3500K Lumens	Wattage	lm/W
Clear Lens (LC)	Standard	2 ft.	2SNLED-LD5-18SL-LC-UNV-L8XX-CD1-U	2043	15.9	128
Clear Lens (LC)	Standard	2 ft.	2SNLED-LD5-22SL-LC-UNV-L8XX-CD1-U	2358	17.2	137
Clear Lens (LC)	Standard	2 ft.	2SNLED-LD5-26SL-LC-UNV-L8XX-CD1-U	2699	20.1	134
Clear Lens (LC)	High	2 ft.	2SNLED-LD5-34HL-LC-UNV-L8XX-CD1-U	3442	25.8	133

Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-18SL-LC-UNV-L8XX-CD1-U	1955	14.6	134
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-22SL-LC-UNV-L8XX-CD1-U	2382	16.0	149
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-26SL-LC-UNV-L8XX-CD1-U	2826	19.3	147
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-30SL-LC-UNV-L8XX-CD1-U	3199	22.1	145
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-34SL-LC-UNV-L8XX-CD1-U	3567	24.9	143
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-37SL-LC-UNV-L8XX-CD1-U	3914	27.7	141
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-41SL-LC-UNV-L8XX-CD1-U	4261	30.6	139
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-46SL-LC-UNV-L8XX-CD1-U	4708	34.6	136
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-49SL-LC-UNV-L8XX-CD1-U	5139	38.7	133
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-52SL-LC-UNV-L8XX-CD1-U	5551	42.8	130
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-56SL-LC-UNV-L8XX-CD1-U	5950	47.1	126
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-63SL-LC-UNV-L8XX-CD1-U	6340	51.5	123
Clear Lens (LC)	Standard	4 ft.	4SNLED-LD5-66SL-LC-UNV-L8XX-CD1-U	6603	54.9	120
Clear Lens (LC)	High	4 ft.	4SNLED-LD5-52HL-LC-UNV-L8XX-CD1-U	5215	37.0	141
Clear Lens (LC)	High	4 ft.	4SNLED-LD5-55HL-LC-UNV-L8XX-CD1-U	5569	40.0	139
Clear Lens (LC)	High	4 ft.	4SNLED-LD5-60HL-LC-UNV-L8XX-CD1-U	5920	43.0	138
Clear Lens (LC)	High	4 ft.	4SNLED-LD5-76HL-LC-UNV-L8XX-CD1-U	7698	61.8	125

Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-60SL-LC-UNV-L8XX-CD1-U	6399	44.1	145
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-68SL-LC-UNV-L8XX-CD1-U	7134	49.7	143
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-75SL-LC-UNV-L8XX-CD1-U	7828	55.4	141
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-83SL-LC-UNV-L8XX-CD1-U	8522	61.2	139
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-90SL-LC-UNV-L8XX-CD1-U	9415	69.2	136
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-98SL-LC-UNV-L8XX-CD1-U	10277	77.4	133
Clear Lens (LC)	Standard	8 ft.	8TSNLED-LD5-105SL-LC-UNV-L8XX-CD1-U	11102	85.6	130
Clear Lens (LC)	High	8 ft.	8TSNLED-LD5-130HL-LC-UNV-L8XX-CD1-U	11839	85.9	138
Clear Lens (LC)	High	8 ft.	8TSNLED-LD5-170HL-LC-UNV-L8XX-CD2-U	15396	123.6	125

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

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

Eaton
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P: 770-486-4800
www.eaton.com/lightingSpecifications and
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2-5-2018

Submitted by Ambient Lighting & Controls LLC

[a]mbientlighting
& controls**Job Name:**
ITD - ATHOL MAINTENANCE BUILDING -
PRIOR**Catalog Number:**
4SNLED-LD5-47SL-LW-UNV-L840-
CD1-U

Notes:

Type:**C**

AMBIENT18-51153

SNLED LENSED

WATTAGE

SNLED Type	Lumen Type	Length	Catalog Number**	Nominal 3500K Lumens	Wattage	lm/W
Semi-Frost Lens (LN)	Standard	2 ft.	2SNLED-LD5-18SL-LN-UNV-L8XX-CD1-U	1983	15.9	125
Semi-Frost Lens (LN)	Standard	2 ft.	2SNLED-LD5-22SL-LN-UNV-L8XX-CD1-U	2289	17.2	133
Semi-Frost Lens (LN)	Standard	2 ft.	2SNLED-LD5-26SL-LN-UNV-L8XX-CD1-U	2620	20.1	130
Semi-Frost Lens (LN)	High	2 ft.	2SNLED-LD5-32HL-LN-UNV-L8XX-CD1-U	3341	25.8	130
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-18SL-LN-UNV-L8XX-CD1-U	1898	14.6	130
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-22SL-LN-UNV-L8XX-CD1-U	2313	16.0	144
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-26SL-LN-UNV-L8XX-CD1-U	2744	19.3	142
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-30SL-LN-UNV-L8XX-CD1-U	3106	22.1	141
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-34SL-LN-UNV-L8XX-CD1-U	3463	24.9	139
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-37SL-LN-UNV-L8XX-CD1-U	3800	27.7	137
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-41SL-LN-UNV-L8XX-CD1-U	4137	30.6	135
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-46SL-LN-UNV-L8XX-CD1-U	4570	34.6	132
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-49SL-LN-UNV-L8XX-CD1-U	4989	38.7	129
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-53SL-LN-UNV-L8XX-CD1-U	5389	42.8	126
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-56SL-LN-UNV-L8XX-CD1-U	5777	47.1	123
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-61SL-LN-UNV-L8XX-CD1-U	6155	51.5	120
Semi-Frost Lens (LN)	Standard	4 ft.	4SNLED-LD5-64SL-LN-UNV-L8XX-CD1-U	6410	54.9	117
Semi-Frost Lens (LN)	High	4 ft.	4SNLED-LD5-50HL-LN-UNV-L8XX-CD1-U	5063	37.0	137
Semi-Frost Lens (LN)	High	4 ft.	4SNLED-LD5-54HL-LN-UNV-L8XX-CD1-U	5407	40.0	135
Semi-Frost Lens (LN)	High	4 ft.	4SNLED-LD5-60HL-LN-UNV-L8XX-CD1-U	5747	43.0	134
Semi-Frost Lens (LN)	High	4 ft.	4SNLED-LD5-74HL-LN-UNV-L8XX-CD1-U	7474	61.8	121
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-60SL-LN-UNV-L8XX-CD1-U	6212	44.1	141
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-68SL-LN-UNV-L8XX-CD1-U	6926	49.7	139
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-75SL-LN-UNV-L8XX-CD1-U	7600	55.4	137
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-83SL-LN-UNV-L8XX-CD1-U	8273	61.2	135
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-91SL-LN-UNV-L8XX-CD1-U	9141	69.2	132
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-98SL-LN-UNV-L8XX-CD1-U	9978	77.4	129
Semi-Frost Lens (LN)	Standard	8 ft.	8TSNLED-LD5-106SL-LN-UNV-L8XX-CD1-U	10779	85.6	126
Semi-Frost Lens (LN)	High	8 ft.	8TSNLED-LD5-130HL-LN-UNV-L8XX-CD1-U	11494	85.9	134
Semi-Frost Lens (LN)	High	8 ft.	8TSNLED-LD5-170HL-LN-UNV-L8XX-CD2-U	14947	123.6	121

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

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



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Specifications and
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PS519154EN
2-5-2018

Submitted by Ambient Lighting & Controls LLC


Job Name:
 ITD - ATHOL MAINTENANCE BUILDING -
 PRIOR

Catalog Number:
 4SNLED-LD5-47SL-LW-UNV-L840-
 CD1-U

Notes:

Type:**C**

AMBIENT18-51153

SNLED LENSED

WATTAGE

SNLED Type	Lumen Type	Length	Catalog Number**	Nominal 3500K Lumens	Wattage	lm/W
Full Frost Lens (LW)	Standard	2 ft.	2SNLED-LD5-16SL-LW-UNV-L8XX-CD1-U	1825	15.9	115
Full Frost Lens (LW)	Standard	2 ft.	2SNLED-LD5-20SL-LW-UNV-L8XX-CD1-U	2106	17.2	122
Full Frost Lens (LW)	Standard	2 ft.	2SNLED-LD5-23SL-LW-UNV-L8XX-CD1-U	2410	20.1	120
Full Frost Lens (LW)	High	2 ft.	2SNLED-LD5-30HL-LW-UNV-L8XX-CD1-U	2936	25.8	114
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-16SL-LW-UNV-L8XX-CD1-U	1746	14.6	120
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-20SL-LW-UNV-L8XX-CD1-U	2128	16.0	133
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-23SL-LW-UNV-L8XX-CD1-U	2524	19.3	131
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-27SL-LW-UNV-L8XX-CD1-U	2857	22.1	130
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-30SL-LW-UNV-L8XX-CD1-U	3186	24.9	128
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-33SL-LW-UNV-L8XX-CD1-U	3495	27.7	126
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-37SL-LW-UNV-L8XX-CD1-U	3805	30.6	124
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-41SL-LW-UNV-L8XX-CD1-U	4204	34.6	122
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-44SL-LW-UNV-L8XX-CD1-U	4589	38.7	119
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-47SL-LW-UNV-L8XX-CD1-U	4958	42.8	116
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-50SL-LW-UNV-L8XX-CD1-U	5314	47.1	113
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-56SL-LW-UNV-L8XX-CD1-U	5662	51.5	110
Full Frost Lens (LW)	Standard	4 ft.	4SNLED-LD5-58SL-LW-UNV-L8XX-CD1-U	5897	54.9	107
Full Frost Lens (LW)	High	4 ft.	4SNLED-LD5-44HL-LW-UNV-L8XX-CD1-U	4449	37.0	120
Full Frost Lens (LW)	High	4 ft.	4SNLED-LD5-48HL-LW-UNV-L8XX-CD1-U	4751	40.0	119
Full Frost Lens (LW)	High	4 ft.	4SNLED-LD5-54HL-LW-UNV-L8XX-CD1-U	5051	43.0	118
Full Frost Lens (LW)	High	4 ft.	4SNLED-LD5-65HL-LW-UNV-L8XX-CD1-U	6568	61.8	106
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-54SL-LW-UNV-L8XX-CD1-U	5715	44.1	130
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-61SL-LW-UNV-L8XX-CD1-U	6371	49.7	128
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-67SL-LW-UNV-L8XX-CD1-U	6991	55.4	126
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-74SL-LW-UNV-L8XX-CD1-U	7611	61.2	124
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-81SL-LW-UNV-L8XX-CD1-U	8409	69.2	122
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-88SL-LW-UNV-L8XX-CD1-U	9179	77.4	119
Full Frost Lens (LW)	Standard	8 ft.	8TSNLED-LD5-95SL-LW-UNV-L8XX-CD1-U	9916	85.6	116
Full Frost Lens (LW)	High	8 ft.	8TSNLED-LD5-110HL-LW-UNV-L8XX-CD1-U	10101	85.9	118
Full Frost Lens (LW)	High	8 ft.	8TSNLED-LD5-150HL-LW-UNV-L8XX-CD2-U	13136	123.6	106

* 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

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 82%	170,000

Max Ambient temp in compliance with UL and CSA: 40°C


 Eaton
 1121 Highway 34 South
 Peachtree City, GA 30289
 P 770-486-4800
 www.eaton.com/lighting

 Specifications and
 dimensions subject to
 change without notice

 PSS19154EN
 2-5-2018

Submitted by Ambient Lighting & Controls LLC



Job Name:
ITD - ATHOL MAINTENANCE BUILDING - PRIOR

Catalog Number:
SPK-4-ALD-72LC-3-4K-UNV-WM-BZ

Type:

D

Notes:

AMBIENT18-51153

WALLS + CEILINGS

SmartPak LED

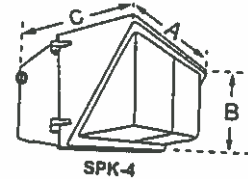
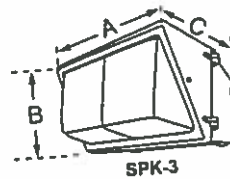
Project Name:

Catalog Number:

Type



Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
SPK-3	18"	9"	9"	48	40
SPK-4	18"	9"	12 3/4"	72	45

SmartPak 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 thermoset 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.

Optics: Offered in an Asymmetrical Light Distribution.

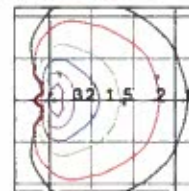
LED: High lumen output VisionBar™ LEDs, with an estimated life of 150,000+ hours, are utilized. Available in 24-, 48- or 72-LED configurations; and in two Kelvin temperatures – 4000K and 5000K. 10 kV surge protector supplied as standard.

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	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
SPK-3	Asymmetrical Light Distribution (ALD)	# of LEDs	mA	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	WallMount (WM)	Bronze (BZ) Black (BK) White (WH) Silver Metallic (SL)	
		24 (24LC)	350 (3)	5000K *Cool white (5K)				
		48 (48LC)						
SPK-4		48 (48LC)						
		72 (72LC)						

5K Lumen Chart

Model	# of LEDs	Output mA	Asymmetrical Light Distribution	System Watts
SPK-3	24	350	1,575	28
SPK-3	48	350	3,150	56
SPK-4	48	350	3,150	56
SPK-4	72	350	4,725	84



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

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



TYPE: _____
 CATALOG #: _____
 NOTES: _____



DISTRIBUTOR SELECT

ELXN400 LED Series

Low energy and low maintenance for moderate budget application

Features

- Fully adjustable LED glare-free heads
- 3.6V-3.6V long-life 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
- 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 knockouts for a standard 4" junction box, used in wall mount applications

Listings

- UL924 Listed
- Damp location listing is standard (68°F to 86°F)
- NFPA101 (Life Safety Code), NFPA70 NEC and OSHA illumination standard

Warranty

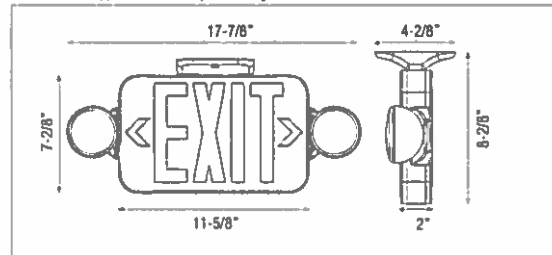
- 3-year limited warranty
- Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

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 unit shall have provisions to power an extra dual remote light EF43D and EF44D for 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.



Power Consumption

Model	Current (A) / Power (W)
	120/277VAC, 60Hz
ELXN400R-2LED	0.044/0.017A
ELXN400G-2LED	0.032/0.015A
ELXN400R-2LEDR	0.037/4.06A
ELXN400G-2LEDR	0.036/3.8A
ELXN400R_2LEDR-AD	0.038/0.017A
ELXN400G_2LEDR-AD	0.038/0.017A

How to Order - Combination Unit

SERIES	LEGEND COLOR	LAMP	OPTIONS	COLOR
ELXN400= ELX Combo Series	R= Red exit G= Green exit	-2LED= Round LED array	Blank= No option R= Remote capacity to power one double head remote* R_AD= One double head dedicated remote with Advanced-Diagnostics* CONFIRM OPTIONS	Blank= White B= Black

* Remote capacity can only be used to power the EF43D or EF44D remote fixtures or to extend the battery units emergency run time beyond the standard 90 minutes.

Example: ELXN400R-2LED

Submitted by Ambient Lighting & Controls LLC

ambientlighting
& controls

Job Name:
ITD - ATHOL MAINTENANCE BUILDING -
PRIOR

Catalog Number:
ELXN400R-2LEDR

Notes:

Type:

F

AMBIENT18-51153

TYPE: _____
CATALOG #: _____
NOTES: _____



ELXN400 LED Series

Low energy and low maintenance for moderate budget application

DISTRIBUTOR SELECT

Features

- Fully adjustable LED glare-free heads
- 3.6V-3.6W long-life 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
- 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 knockouts for a standard 4" junction box, used in wall mount applications

Listings

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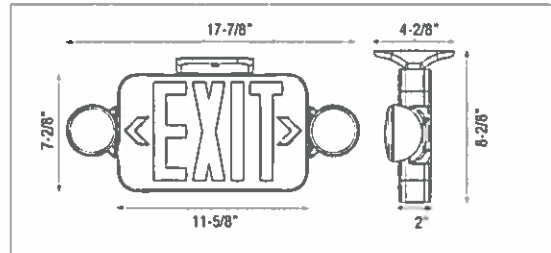
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Example: ELXN400R-2LED

Thomas & Betts
A Member of the ABB Group

EMERGI-LITE®

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