OFFICE OF
PLANNING, ZONING AND HISTORIC PRESERVATION
108 Sherman Street
Telephone (605) 578-2082
Fax (605) 578-2084

FOR OFFICE USE ONLY
Case No. _____
❑ Project Approval
❑ Certificate of Appropriateness
Date Received ____/____/____
Date of Hearing ____/____/____

City of Deadwood Application for Project Approval OR Certificate of Appropriateness

The Deadwood Historic Preservation Commission reviews all applications. Approval is issued for proposed work in keeping with City of Deadwood Ordinances & Guidelines, South Dakota State Administrative Rules and the Secretary of the Interior's Standards for Rehabilitation.

This application must be typed or printed in ink and submitted to:

City of Deadwood
Deadwood Historic Preservation Office
108 Sherman Street
Deadwood, SD 57732

FOR INFORMATION REGARDING THIS FORM, CALL 605-578-2082

PROPERTY INFORMATION

Property Address: 51, 53, 55 Sherman Street

Historic Name of Property (if known): Adams Block Building

APPLICANT INFORMATION

Applicant is: X owner ☐ contractor ☐ architect ☐ consultant ☐ other _____

Owner's Name: KR Deadwood Sherman Street 2020 LLC
Address: 107 South Main Street, PO Box 130
City: Atkinson State: NE Zip: 68713
Telephone: 402-925-5113 Fax: _____
E-mail: gerard@keatingresources.com

Architect's Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____
E-mail: _____

Contractor's Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____
E-mail: _____

Agent's Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____
E-mail: _____

TYPE OF IMPROVEMENT

X Alteration (change to exterior)

☐ New Construction	☐ New Building	☐ Addition	☐ Accessory Structure
☐ General Maintenance	☐ Re-Roofing	☐ Wood Repair	☐ Exterior Painting
	☐ Siding	☐ Windows	
☐ Other Lighting	☐ Awning	☐ Sign	☐ Fencing

FOR OFFICE USE ONLY
Case No. _____

ACTIVITY: (CHECK AS APPLICABLE)

Project Start Date: ASAP Project Completion Date (anticipated): _____

☐ **ALTERATION** X Front X Side(s) X Rear

☐ **ADDITION** ☐ Front ☐ Side(s) ☐ Rear

☐ **NEW CONSTRUCTION** ☐ Residential ☐ Other _____

☐ **ROOF** ☐ New ☐ Re-roofing
☐ Front ☐ Side(s) ☐ Rear

☐ **GARAGE** ☐ New ☐ Rehabilitation
☐ Front ☐ Side(s) ☐ Rear

☐ **FENCE/GATE** ☐ New ☐ Replacement
☐ Front ☐ Side(s) ☐ Rear
Material _____Style/type _____ Dimensions _____

☐ **WINDOWS** ☐ **STORM WINDOWS** ☐ **DOORS** ☐ **STORM DOORS**
☐ Restoration ☐ Replacement ☐ New
☐ Front ☐ Side(s) ☐ Rear
Material _____Style/type _____

☐ **SIGN/AWNING** ☐ New ☐ Restoration ☐ Replacement
Material _____Style/type _____ Dimensions _____

X **OTHER** – Describe in detail below or use attachments

DESCRIPTION OF ACTIVITY

Describe, as specifically as possible, the above activity (use attachments if necessary including type of materials to be used) and submit as applicable. Descriptive materials such as photos and drawings are necessary to illustrate the work and to help the commissioners and staff evaluate the proposed changes. A request for approval of a window replacement, for example, should be accompanied by measurements of the existing window, a picture of the existing window, and a picture or catalogue sheet with manufacturer information for the new window. Similar information should be supplied for each element of the proposed work along with general drawings and/or photographs as appropriate.

Failure to supply adequate documentation could result in delays in processing and denial of the request.

See attached description.

FOR OFFICE USE ONLY
Case No. _____

SIGNATURES

I HEREBY CERTIFY I understand this application will not be accepted and processed until all the requested information has been supplied. I realize drawings and measurements must be exact and if errors result in a violation of the Commission's approval, then appropriate changes will have to be made. I also understand this application may require a site visit / additional research by staff and a PUBLIC HEARING by the DEADWOOD HISTORIC PRESERVATION COMMISSION.

I understand this application is for a Certificate of Appropriateness or Project Approval only and that a building permit is required for any uses associated with this location prior to any constructions, alterations, etc. All statements are true to the best of my knowledge and belief.

I understand approval is issued for proposed work in keeping with City of Deadwood Ordinances, South Dakota State Administrative Rules and the Secretary of the Interior's Standards for Rehabilitation and copies are available for my review.

DocuSigned by:
Gerard Keating
C8A68B51B9DB440...

2/15/2023
DATE

SIGNATURE OF AGENT(S) DATE

SIGNATURE OF OWNER(S) DATE

SIGNATURE OF AGENT(S) DATE

SIGNATURE OF OWNER(S) DATE

SIGNATURE OF AGENT(S) DATE

APPLICATION DEADLINE

This form and all supporting documentation **MUST** arrive by 5:00 p.m. on the 1st or 3rd Wednesday of every month to be considered at the next Historic Preservation Commission Meeting. The meeting schedule and filing deadlines are on file with the Historic Preservation Office. Any information not provided to staff in advance of the meeting will not be considered by the Commission during their deliberation. Please call if you have any questions and staff will assist you.

Please use the attached criteria checklist as a guide to completing the application. Incomplete applications cannot be reviewed and will be returned to you for more information. All submitted materials will be retained by the Historic Preservation Office. Do not submit your only copy of any piece of documentation.

The City of Deadwood Historic Preservation Office has numerous resources available for your assistance upon request.

COA Application
Adams Block – 51, 53, 55 Sherman Street
Façade Lighting
Date: 02/15/2023

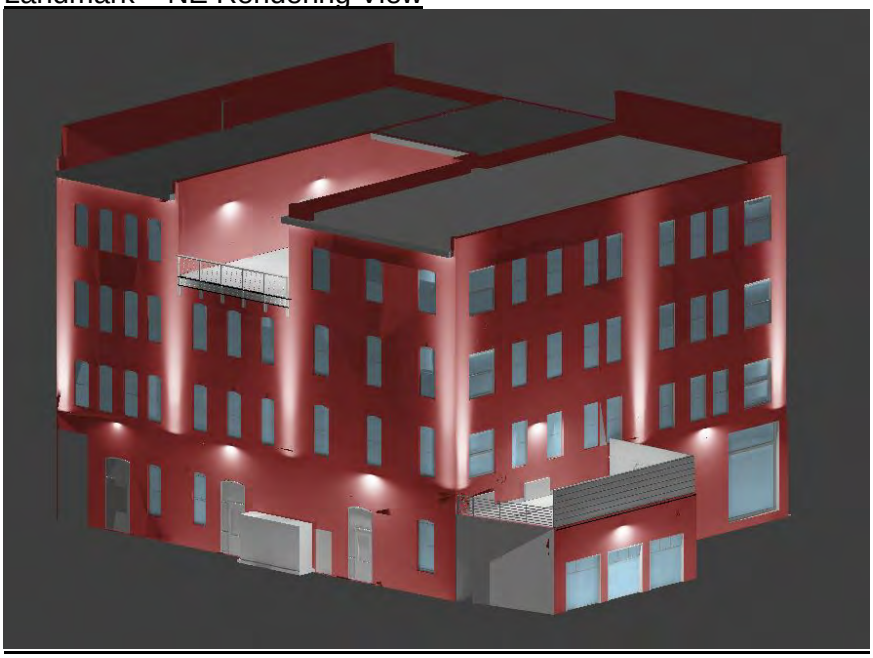
Scope of Work

1. Description of exterior changes including materials, colors and dimensions.
   - The proposed lighting fixtures will be "wallpack" style downlights in a matte black finish and the same fixture rotated as "up" light fixtures in a black/brown finish.
     - All lighting will be specified as 100% cutoff – no glare.
     - The wallpack fixtures, type WM2 will provide downlight only and are approximately 10" wide and 5.5" tall and 7" deep. We expect these fixtures in a black or brown finish providing walkway/sidewalk lighting per today's codes. See attached cutsheet.
     - All "up" lighting will be installed near a consistent elevation and above the line of sight to eliminate direct glare.
     - The "up" light fixtures, types UP and UPB will be 24" wide, are about 6" in "diameter" and will stand off the building about 12"-15". See attached cutsheet.
     - In the front of the building, the fixtures will be installed using a 12" adjustable standoff and will be located above the front doors within the brick band (dark band on the north building) of the building façade.
     - On the sides and/or back of the building, an "up" fixture will be applied to the brick surfaces. These will be in a custom red/tan to match the brick surface.
     - On the South side of the building, depending on signage, wide flood lights may be used to wallwash and illuminate the sign(s).

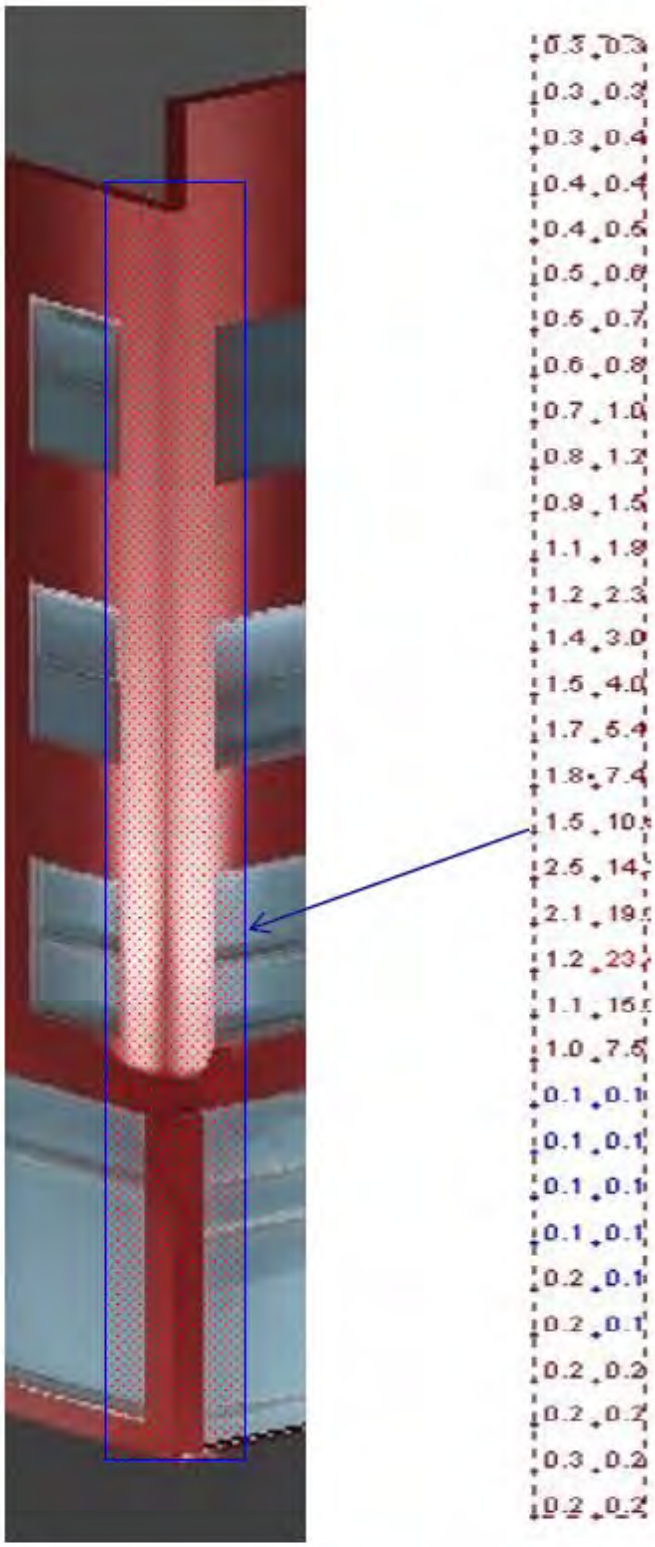
2. Color and Controls
   - The project would like to use LED Red-Green-Blue-White (RGBW) vertical spot lights installed to light "up" to highlight the building character. We hope to normally display a static and consistent red-white-blue columns theme, as represented in white by the model enclosed. For special days/holidays, such as breast cancer awareness month, Valentine's Day, St Patrick's, etc, we would like to be able to adjust the lighting to one consistent color representing the event themes.
   - The south Façade historical sign is proposed to be illuminated with soft-white vertical wide flood lights located above the adjacent building (below the sign and illuminating up toward the sign), providing exterior illumination of the sign per Deadwoods sign illumination requirements.
   - Sign the proposed lighting may be dimmed, lighting intensities will be adjustable as acceptable by the City.

3. Proposed rehabilitation renderings and descriptions.
   - The renderings for the proposed Landmark exterior lights included below. These renderings have been developed using white light because colored renderings are not very representative. Actual fixtures are RGBW LED and will be dimmable via Bluetooth controls.

Landmark – NE Rendering View



Landmark - NW Rendering View



Landmark - Facade Renderings and associated Calculations

Examples of Modeling

The above renderings of the Landmark Casino should be a very good representation of the façade and externally lit signs. However, to demonstrate how well the model represents the final products, we have included two examples.

- The first example is that of the McLaury building at SDSM&T. Daytime Image / Actual Nighttime Photo/ Nighttime Closeup.
- The second example is that of the Spearfish Pioneer Bank. This is another local project recently completed that was also rendered and recently constructed. Attached is a Rendering / Actual photo.

McLaury – Daytime Image

Nighttime Image

McLaury Evening Closupe

Pioneer Bank – Spearfish SD Example Model vs Actual (Only to show accuracy of model)

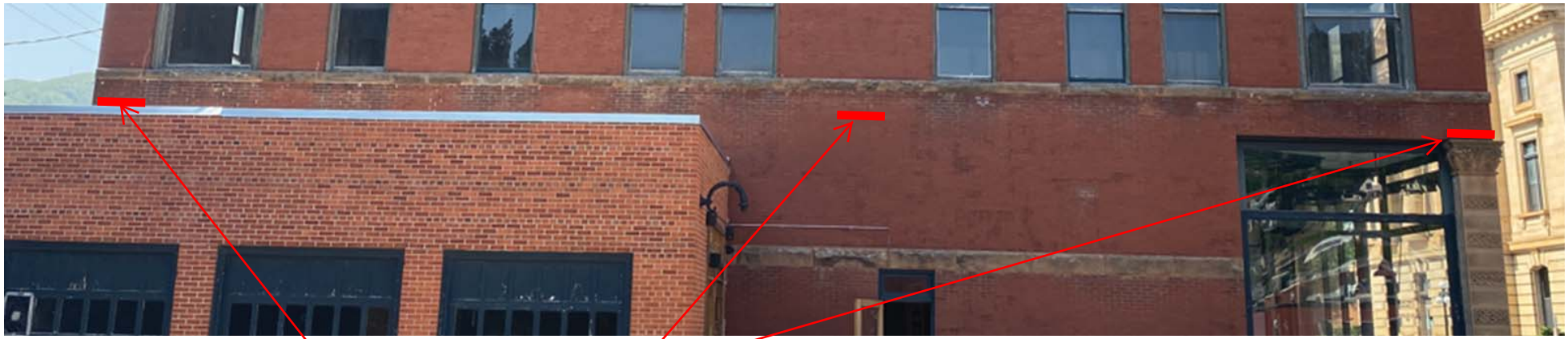
Light Fixture Locations

Fixtures will be located above column capitals to make them as inconspicuous as possible on the front of the building. (See attached image)

On the sides of the building without column capitals, they will be mounted on the brick wall and will be painted the same color as the brick. Or, alternatively, they may be decal-wrapped with the brick image to camouflage them. We did this on some Wi-Fi equipment on Outlaw Square.

Light fixtures placed above column caps
approximately 17-feet above sidewalk

(Paint light fixtures to match brick color)



Light fixtures on north side

KIM LIGHTING®

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

INT RGBW

FLOODLIGHT LUMINAIRE

intent

FEATURES

- Architectural linear product for wall and ground mounting applications such as sign lighting, wall washing, wall grazing, and building accent lighting
- Linear run capabilities for even, uniform light distribution with no scalloping effect
- Lumen range from 657 to 3,271 lm
- UL/cUL listed for wet locations, IP66 and 3G vibration rated

Intent

c UL us LISTED IP66 IK07 IK08

CONTROL TECHNOLOGY

Bluetooth® pharos DMX 512

RELATED PRODUCTS

KFL LTV8 (RGBW) INT (STATIC WHITE)

SPECIFICATIONS

CONSTRUCTION

- Extruded housing, low copper (<0.1% Cu) Aluminum Alloy 6063-T6 and .160" minimum wall thickness.
- Extrusion includes an integral visor.
- Die-cast driver compartment and end caps, low copper (<0.6% Cu) Aluminum Alloy 360 and .100" minimum wall thickness.
- Finish: fade and abrasion resistant, electro statically applied, thermally cured, triglyceride isocyanurate (TGIC) polyester powder coat.
- Lens is impact resistant 0.157" tempered glass with anti-reflective coating
- Lens is sealed in with Reactive Back Bedding Sealant.
- Driver compartment has a one-piece molded silicone gasket.
- All external fasteners are stainless steel

OPTICS

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic that allow for good color mixing.

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

ELECTRICAL

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480.
- Drivers have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -20°C to 50°C ambient environments.
- Standard configuration has dimming leads pulled off the fixture.
- Luminaire capable of operating at 100% brightness in a 40°C environment.
- Surge protection: 20,000A in series and 10,000kA in parallel
- SF for 120, 277, 347 Line Volts, DF for 208, 240, 480 Line Volts.
- Wiring: No. 18AWM rated 150°C.
- External cable connections are IP68 rated.

CERTIFICATIONS AND LISTINGS.

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures.
- IP66 certified.
- 3G rated for ANSI C136.31 high vibration applications.
- RoHS compliant.
- IEC 66262 Mechanical Impact Code IK08.

WARRANTY

- 5 year warranty
- See HLI Standard Warranty for additional information

Continued on page 3

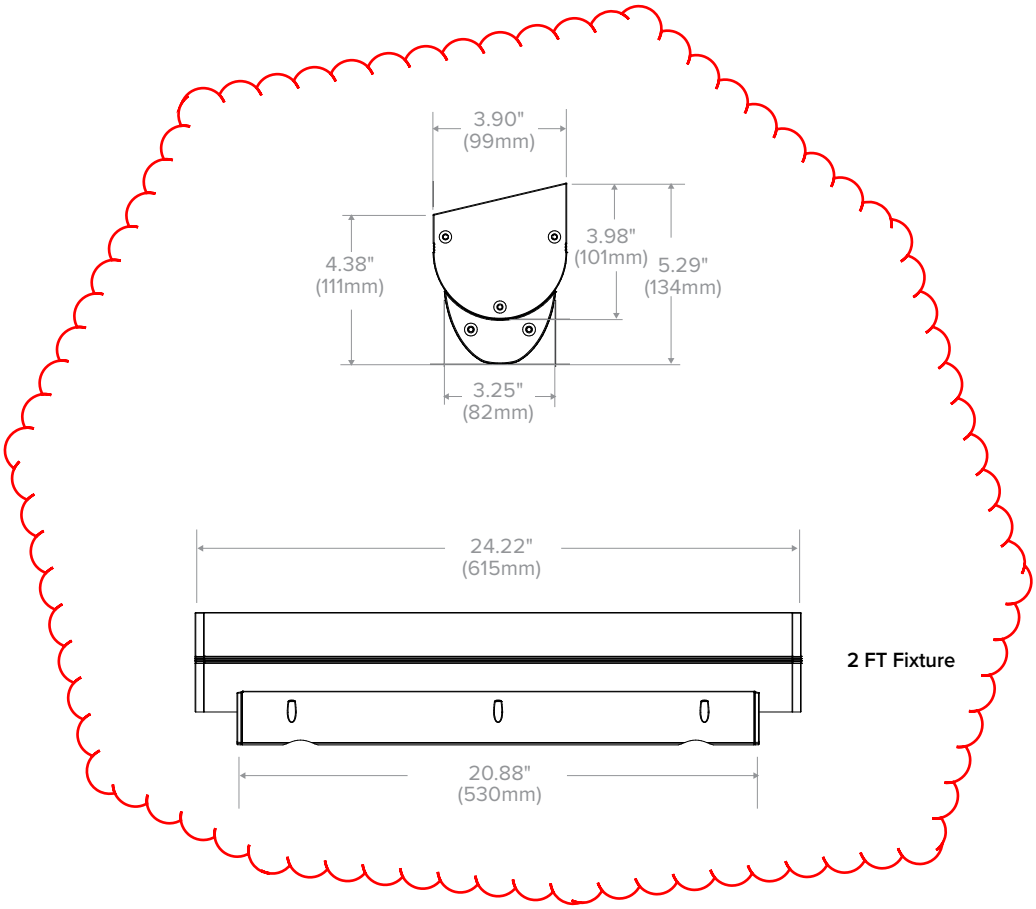
KEY DATA	
LUMEN RANGE	657-3,271
WATTAGE RANGE	16.4-40.5
EFFICACY RANGE (LPW)	37.1-85
REPORTED LIFE (HOURS)	L70/60,000

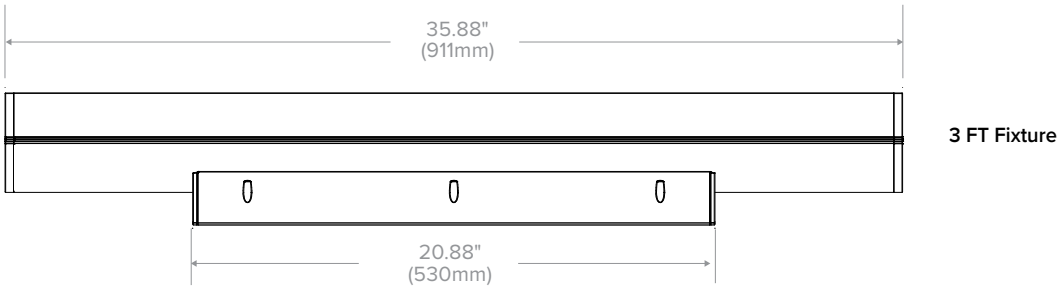
HUBBELL® HUBBELL Lighting

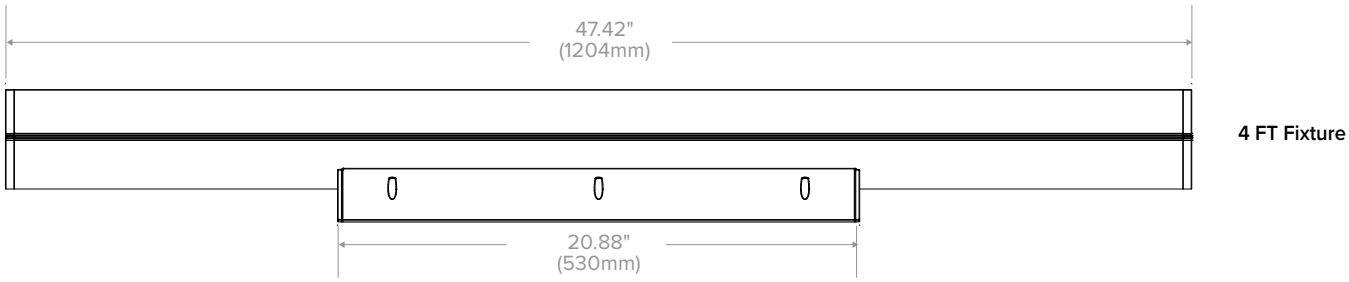
INT RGBW

FLOODLIGHT LUMINAIRE

DIMENSIONS







HUBBELL Outdoor Lighting

DATE: | LOCATION:

TYPE: WP | PROJECT:

CATALOG #: LNC2-XX-4K-XX-2-U-BLT-PCU-

LNC2

SMALL LED LITEPAK

FEATURES

- 60% more lumens and increased performance than smaller LNC models
- 3000K, 4000K and 5000K as well as Amber
- Type II, III and IV distributions available for a variety of application needs
- Quick-mount adapter allows easy installation/maintance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available for fast service
- Full cut-off, neighbor friendly, IDA approved
- Optional photocontrol for additional energy savings

Standard 9, 12, and 18L Version*

Prismatic Version

Surface Conduit Hubs, Sensor & SiteSync Version

Battery Backup Version

*Shown with CS acrylic diffuser

C US | Turtle Friendly | *3000K and warmer CCTs only

RELATED PRODUCTS

LNC | INC3 | LNC4

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL

SPECIFICATIONS

CONSTRUCTION

- Rugged die-cast aluminum housing protects components and provides an architectural appearance
- Casting thermally conducts LED heat to optimize performance and long life
- Powder paint finish provides durability in outdoor environments

OPTICS

- Zero uplight distributions using individual acrylic
- LED optics provide IES type II, III and IV distributions. Optional (CS) acrylic diffuser available for reduced glare
- Prismatic refractor lens provides ~10% uplight for increased vertical footcandles and forward light projection ideal for security lighting
- L96 at 60,000hrs (Projected per IESNA TM-21-11), see table on page 3 for all values

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Optional 1/2" conduit hubs available (standard for sensor, SiteSync and battery versions)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option in 12L-070 configuration
- Minimum operating temperature is -40˚C/-40˚F (excludes 12L-035 and P15 configurations)
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- 10kA surge protector
- 3000K CCT nominal, 4000K CCT nominal, 5000K CCT nominal (70 CRI)
- 9, 12 and 18 LED configurations available see pages 2 and 3 for electrical and photometric details

CONTROLS

- Universal button photocontrol
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Dual Driver and Dual Power Feed option for 18L-070 versions

CERTIFICATIONS

- DLC® DesignLights Consortium Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- Made-to-order versions are IP-65 rated

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	2600–4100
Wattage Range	29–42
Efficacy Range (LPW)	85–112
Fixture Projected Life (Hours)	L96>60K
Weights lbs. (kg)	9.6 (24.5)

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #: LNC2-XX-4K-XX-2-U-BLT-PCU-

LNC2

SMALL LED LITEPAK

ORDERING GUIDE

Example: LNC2-9L-3K-2-U-DBT-PCU

CATALOG #

ORDERING INFORMATION

Series	# LEDs	CCT/CRI	Drive Current	IES Distribution	Voltage	Mounting
LNC2 Small LitePak LNC2	**9L** 9 LEDs	**3K** 3000K nominal, 70 CRI	**070** 700mA	**2** Type II[1]	**U** 120-277V	Leave blank for down position
	12L 12 LEDs	**4K** 4000K nominal, 70 CRI	**035** 350mA (12L & 18L only)	**3** Type III[1]	**1** 120V	**NV** Inverted[2]
	18L 18 LEDs	**5K** 5000K nominal, 70 CRI		**4** Type IV[1]	**2** 208V	
	P15 15w Prismatic Refractor	**AM** Amber[9]		**FT** Forward Throw (Prismatic Refractor only)	**3** 240V	
	P25 25w Prismatic Refractor				**4** 277V	
	P35 35w Prismatic Refractor				**5** 480V[8]	
					4 347V[8]	

Finish	Control Options	Options
BLT Black Matte Textured	**SCP** Occupancy Sensor Programmable (Dim)[4,5]	**EH** Battery Backup Unit with Heater (-30˚C)[3]
BLS Black Gloss Smooth	**PCU** Universal Button Photocontrol	**E** Battery Backup Unit (0˚C)[3]
DBT Dark Bronze Matte Textured	**SWP** SiteSync Pre-Commision[6]	**F** Fuse & Fuse-Holder (not availabe with Battery Backup)[3]
DBS Dark Brone Gloss Smooth	**SWPM** SiteSync Pre-commision w/ OCC Sensor[6,7]	**CS** Comfort Shield (N/A with Prismatic Refractor)
GTT Graphite Matte Textured	**Specify SCP Height**	**2DR** Dual Driver (18L - 700mA only)
LGS Light Grey Gloss Smooth	**8F** Up to 8ft mount height	**2PF** Dual Power Feed (18L - 700mA only)
PSS Platinum Silver Smooth	**20F** Up to 20ft mount height	**CH** Surface Conduit Hubs)
WHT White Matte Textured		
WHS White Gloss Smooth		
VGT Verde Green Textured		
Color Option		
CC Custom Color		

Notes:

1 IES distributions only available with 9L, 12L, and 18L versions

2 Not available with occupancy sensor, battery backup or prismatic refractor options

3 Must specify voltage (120 or 277 only for E & EH)

4 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only

5 PCU option not applicable, included in sensor

6 18L - 700mA versions only. Not available with 2DR or 2PF options. Must specify group and zone information at time of order

7 Specify time delay; dimming level and mounting height

8 12L - 700mA version only

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	Distribution	CCT/CRI	Voltage	Distribution	Weight lbs. (kg)	Finish	Options
LNC2-12LU-4K-3-DB	2,662	29W	3	4000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	*
LNC2-12LU-5K-3-DB	2,868	29W	3	5000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	*
LNC2-12LU-5K-3-DB-PC-U	2,868	29W	3	5000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	Photocell *
LNC2-18LU-4K-3-DB	3,806	42W	3	4000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	*
LNC2-18LU-5K-3-DB	4,106	42W	3	5000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	*
LNC2-18LU-5K-3-DB-PC-U	4,106	42W	3	5000K/70CRI	120-277V	Type 3	7.0 (13.3)	Bronze	Photocell *
LNC2-P35-4K-PCU	4,025	37W	FT	4000K/70CRI	120-277V	FT	7.0 (13.3)	Bronze	Photocell
LNC2-P35-PCU	4,108	37W	FT	5000K/70CRI	120-277V	FT	7.0 (13.3)	Bronze	Photocell

REPLACEMENT PART - MADE TO ORDER

	Catalog Number	Description
☐	**SCP-Remote**	Remote control for SCP option. Order at least one per project to program and control fixtures*

Notes:

* IES distributions only available with 9L, 12L and 18L versions

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LNC2

SMALL LED LITEPAK

PERFORMANCE DATA

STANDARD 9, 12 AND 18L VERSIONS

# Of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G
9	700mA	21W	2	2,083	97	1	0	1	2,072	97	1	0	1	1,927	90	1	0	1
			3	1,972	92	0	0	1	1,962	92	0	0	1	1,825	85	0	0	1
			4	2,097	98	0	0	1	2,087	98	0	0	1	1,941	91	0	0	1
12	350mA	14W	2	1,513	110	0	0	1	1,506	109	0	0	1	1,440	104	0	0	1
			3	1,433	104	0	0	1	1,426	103	0	0	1	1,364	99	0	0	1
			4	1,524	110	0	0	1	1,543	112	0	0	1	1,476	107	0	0	1
	700mA	29W	2	2,777	97	1	0	1	2,763	97	1	0	1	2,570	90	1	0	1
			3	2,629	92	1	0	1	2,616	91	1	0	1	2,433	85	1	0	1
			4	2,797	98	1	0	1	2,783	97	1	0	1	2,588	90	1	0	1
18	350mA	21W	2	2,270	107	1	0	1	2,259	106	1	0	1	2,074	97	1	0	1
			3	2,149	101	0	0	1	2,138	100	0	0	1	1,963	92	0	0	1
			4	2,286	107	0	0	1	2,275	107	0	0	1	2,125	100	0	0	1
	700mA	43W	2	4,261	99	1	0	1	4,240	98	1	0	1	3,943	91	1	0	1
			3	4,033	93	1	0	1	4,014	93	1	0	1	3,733	86	1	0	1
			4	4,290	99	1	0	1	4,270	99	1	0	1	3,971	92	1	0	1

PRISMATIC REFRACTOR

# Of LEDs	Nominal Wattage	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
			Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G
1	15W	FT	1,741	132	0	3	2	1,706	129	0	3	2	1,648	125	0	3	2
	25W		2,929	117	1	3	2	2,806	112	1	3	2	2,773	111	1	3	2
	35W		4,108	112	1	3	3	4,025	110	1	3	3	3,889	106	1	3	3

Notes:

* Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application. LNC2-12L battery mode produces 1,546 initial lumens. Meets UL924 90 minute discharge pattern.

PROJECTED LUMEN MAINTENANCE

STANDARD 9, 12 AND 18L VERSIONS

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.98	0.97	0.96	0.95	>791,000
40°C / 104°F	0.99	0.98	0.96	0.96	0.95	>635,000

PRISMATIC REFRACTOR

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.94	0.89	0.87	0.80	>160,000
40°C / 104°F	0.99	0.93	0.88	0.86	0.78	>150,000

* Projected per IESNA TM-21-11 * (Nichia 219B, 700mA, 85°C Ts, 10,000hrs). Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LNC2

SMALL LED LITEPAK

ELECTRICAL DATA

STANDARD 9, 12 AND 18L VERSIONS

# OF LEDS	Drive Current (mA)	Input Voltage (V)	Oper. Current (Amps)	System Power (W)
9	700mA	120	0.18	21
		277	0.08	21
12	350mA	120	0.12	14
		277	0.05	14
	700mA	120	0.24	29
		277	0.10	29
		347	0.08	29
		480	0.06	29
18	350mA	120	0.18	21
		277	0.08	21
	700mA	120	0.36	43
		277	0.16	43

PRISMATIC REFRACTOR

# OF LEDS	Drive Current (mA)	Input Voltage (V)	Oper. Current (Amps)	System Power (W)
1	350mA	120	0.11	13
		277	0.05	13
	600mA	120	0.21	25
		277	0.09	25
	900mA	120	0.31	37
		277	0.13	37

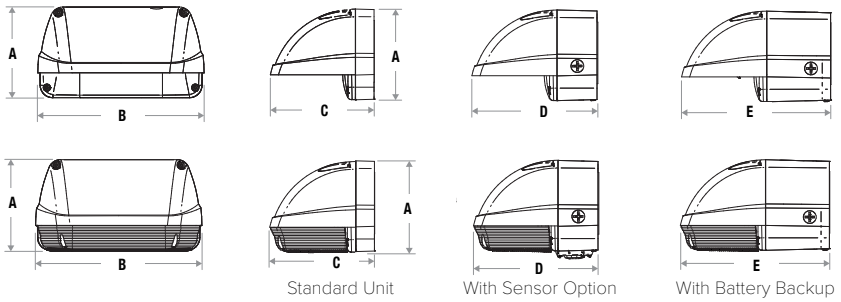
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Standard 9. 12, 18L and Prismatic Versions

Ambient Temperature		Lumen Multiplier
0˚ C	32˚ F	1.02
10˚ C	50˚ F	1.01
20˚ C	68˚ F	1.00
25˚ C	77˚ F	1.00
30˚ C	86˚ F	1.00
40˚ C	104˚ F	0.99
50˚ C	122˚ F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

DIMENSIONS



Standard Unit | With Sensor Option | With Battery Backup

A	B	C	D	E
5.54" (141 mm)	10.16" (258 mm)	6.33" (161 mm)	7.64" (194 mm)	9.10" (231 mm)

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LNC2

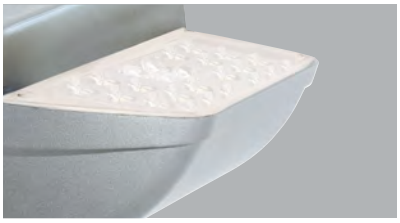
SMALL LED LITEPAK

ADDITIONAL INFORMATION

SHIPPING INFORMATION

Catalog Number	G.W(kg)/ CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC2-12LU	14.3 (6.5)	14.5 (37)	11.4 (29)	8.4 (21.5)	2
LNC2-18LU	14.8 (6.7)	14.9 (38)	11.4 (29)	8.4 (21.5)	2

NV - INVERTED MOUNTING OPTIONS



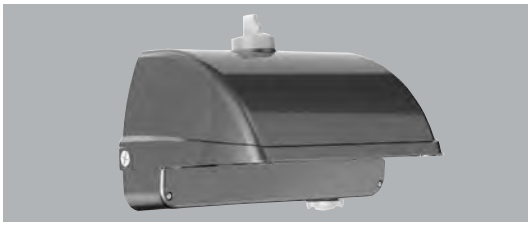
*Requires Factory Installed Lens Option

Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser option softens output, improves uniformity and protects LED lenses.

SCP - PROGRAMMABLE OCCUPANCY SENSOR

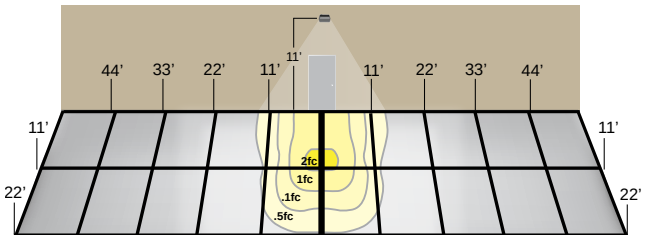
Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%) Visit: http://www.hubbelllighting.com/solutions/controls/ for control application information

SWP & SWPM - SITESYNC™



When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project locations Group information, and Operating schedules. For more detailed information please visit www.HubbellLighting.com/proudcts/sitesync or contact Hubbell Lighting tech support at (800) 345-4928.

LNC2 - BATTERY BACK UP



11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

E & EH EMERGENCY BATTERY BACKUP

Standard versions utilize 9, 12 or 18 High Power LEDs to generate 1,600 - 4,200 lumens in Normal Mode and use 4 LEDs for up to 700 lumens in Emergency Mode. Prismatic refractor versions utilize 1 COB LED to generate approximatly 900 lumens in emergency mode.

USE OF TRADEMARKS AND TRADE NAMES

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