

**Town of Kennebunkport  
Board of Selectmen's Meeting  
Village Fire Station, 30 North Street – 7 PM  
May 22, 2014**

Minutes of the Selectmen Meeting of May 22, 2014

**Selectmen present:** Patrick A. Briggs, Allen A. Daggett, Edward W. Hutchins, and Sheila Matthews-Bull

**Selectmen absent:** Stuart E. Barwise

**Others present:** Bud Brown, Michael Claus, Carol Cook, Michael Davis, April Dufoe, Leo Famolare, Peter Fellenz, Peter Frink, Werner Gilliam, Susan Graham, David James, Lisanne James, David Kling, Pat Lyna, Arlene McMurray, Allan Moir, Chris Perry, Laurie Smith, Jim Stockman and others

**1. Call to Order.**

Vice-Chair Daggett called the meeting to order at 7:01 PM

**2. Approve the April 30, and May 8, 2014, selectmen meeting minutes.**

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull, to approve the April 30, 2014, selectmen meeting minutes. **Vote:** 4-0.

**Motion** by Selectman Hutchins, seconded by Selectman Briggs, to approve the May 8, 2014, selectmen meeting minutes. **Vote:** 3-0-1/Selectman Matthews-Bull abstained because she was not present at that meeting.

**3. Public Forum (This is an opportunity for anyone who wants to address the Board of Selectmen with any issue that is not on the agenda).**

Town Clerk April Dufoe announced the following:

- Absentee ballots are available at the Town Clerk's office for the June 10, 2014, state primary, municipal, and RSU budget validation election.
- The last day to request absentee ballots is Thursday, June 5.
- The Registrar of Voters will hold evening hours at the Kennebunkport Town Hall, on Wednesday, June 4, from 4:30 to 6:30 PM.

**4. Consider renewal liquor license application submitted by Sarah Lindblom, DBA Captain Jefferds Inn, 5 Pearl Street.**

**Motion** by Selectman Matthews-Bull, seconded by Selectman Hutchins, to approve the renewal liquor license application submitted by Sarah Lindblom, DBA Captain Jefferds Inn, 5 Pearl Street. **Vote:** 4-0.

Vice-Chair Daggett mentioned that this application was inspected and approved by the fire inspector, police chief, and code enforcement officer.

**5. Public Hearing for applications for Victualer's Licenses for the period from June 1, 2014 through May 31, 2014.**

Ms. Dufoe said there are five applicants that need final inspection: Wolff Farm and Lobster, Goose Rocks Beach Dairy, Goose Rocks Beach Dairy Breakfast, Salt and Honey, and Old Salt's Pantry.

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull, to approve all of the victualer's licenses except: Wolff Farm & Lobster; Goose Rocks Beach Dairy; Goose Rocks Beach Dairy Breakfast; and Old Salt's Pantry, which have conditional approval pending final inspections. **Vote:** 4-0.

**6. Public Hearing to take public comment on each of the following topics to be voted on by referendum ballot at the June 10, 2014 Annual Town Meeting.**

Vice-Chair Daggett opened the public hearing at 7:05 PM.

David Kling, chair of the Planning Board, opened the public hearing for the Planning Board also.

**a. Land Use Ordinance concerning tents.**

There were no comments.

**b. Amendment to the Land Use Ordinance concerning accessory apartments.**

There were no comments.

**c. Amendment to the Land Use Ordinance concerning disability variances.**

There were no comments.

**d. Amendment to the Land Use Ordinance concerning expiration dates of conditional use approvals.**

There were no comments.

Mr. Kling closed the public hearing for the Planning Board at 7:07 PM.

**e. Amendment to the Kennebunk River Ordinance**

There were no comments.

**f. Proposal for eight new pedestrian lights on North Street and a new streetlight at the intersection of Main Street, Ward Road, and Wildes District Road.**

David James, resident of North Street, said he talked to many of the abutters and some were agreeable, some neutral, or some were strongly against the proposed streetlights. He said the Board might increase the wattage of the present lights before it thinks about spending \$30,000 for new ones. He mentioned that there are 10 houses that sit within 20 to 40 feet of the sidewalks which could be bothered by the lighting. He stated there have been no safety issues and there are lights that could be purchased that are lower, cost less, and would not shine in someone's house. He wanted to see what the proposed lights look like.

Jim Stockman, chair of the Lighting Committee gave his presentation and answered questions. (See Exhibit A). He said he thought they did a good job with the North Street Parking Lot because people think there are no lights in the lot until they are actually in the lot. He stated they are trying to achieve the same effect.

Lisanne James had questions about the months and times the lights will be on e.g., dusk, dawn, and wintertime.

Peter Frink had questions about dimming the lights.

Mr. Stockman response to these questions was that each fixture has a computer brain, and they can talk to each other. They can be controlled with an Ipad to make the necessary changes, and they can tweak it as they go. They have variable intensity. He said they are in the preliminary stages and have not gotten that far in their discussions as to who will control the lighting.

Susan Graham said she respects the work that Mr. Stockman has done, but that she has looked all over town and the only pedestrian lights she found were at Schooners. She read a letter that she prepared for the Board. Her letter did not support the lighting proposal and basically indicated concern that this lighting project could grow into something bigger.

Selectmen Briggs added that he noticed at night people walk on the street because they need more lighting. He mentioned that he had eye surgery and now requires more light, and he's sure there are others like him. He said it is inviting to have a street well lit.

In regard to the proposed Land Use Ordinances, Dan Saunders of the Growth

Planning Committee said they are consistent with the Comprehensive Plan.

Vice-Chair Daggett closed the public hearing at 7:54 PM.

**7. Public Hearing on proposed amendments to the Traffic and Parking Control Ordinance**

**a. Section 2. Parking Control Regulations**

**(1) No parking on either side of Community House Road.**

Selectman Matthews-Bull said that she does not agree with this amendment because of concern that if the residents have company, their guests have no place to park. She said once you start making limits, it is hard to change it back.

There was no motion made.

Town Manager Laurie Smith asked the Board to consider tabling this item until she is able to get Bob Sherman or someone from the Beach Advisory Committee to come to the meeting.

The Board agreed to table this item.

**b. Section 3. Stopping at Intersections**

**(1) To place a new stop sign for traffic moving from Community House road onto Wildwood Avenue.**

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull to approve the amendment to the Traffic Control Ordinance in Section 3 to place a new stop sign for traffic moving from Community House road onto Wildwood Avenue. **Vote:** 4-0.

**(2) To place a new stop sign for traffic moving from Proctor Road onto Wildwood Avenue.**

**Motion** by Selectmen Matthews-Bull, seconded by Selectman Hutchins, to approve the amendment to the Traffic Control Ordinance in Section 3 to place a new stop sign for traffic moving from Proctor Road onto Wildwood Avenue. **Vote:** 4-0.

**8. Consider dock applications for Carol B. and George H. Walker III for a replacement dock at 91 Ocean Avenue and a new dock at 93 Ocean Avenue, Kennebunkport.**

Howard "Bud" Brown was present to represent the Walkers. He said he attended both site walks for 91 and 93 Ocean Avenue and both docks are com-

Vice-Chair Daggett added that he, Selectman Briggs, and Mr. Gilliam attended the site walks and did not have any issues with these applications. He said Harbormaster Ray Billings also approved them.

**Motion** by Selectman Matthews-Bull, seconded by Selectman Hutchins, to approve the dock applications for Carol B. and George H. Walker III to proceed to the Planning Board review for a replacement dock at 91 Ocean Avenue and a new dock at 93 Ocean Avenue, Kennebunkport. **Vote:** 4-0.

**9. Consider dock application for Andrew Buckley for a seasonal dock at 6 Oak Street, Kennebunkport.**

The applicant did not have all of the required documents. The Board agreed to table this item until all of the information is received.

**10. Consider proposals from the Kennebunkport Parks and Recreation Department to create a trail system at Town garage.**

Director of Parks and Recreation Carol Cook gave a presentation of the proposed trail system. She explained each section of the trail and answered questions. She said she sent letters and a map to the abutters asking them to contact her if they had concerns with this project. She stated Carl Dow was the only person who made contact. He contacted the town manager and some members of the Board. She added that the highway garage and the park were already in place before he moved next door to it. She said that the Kennebunk Portside Rotary is supportive and does not feel there will be any noise impact to the abutter except for when they initially cut the trail.

Discussion followed:

- Selectman Matthews-Bull was concerned about the private homes near the trail.
- Carol Cook responded that there is only one private home near the entrance.
- Selectman Daggett liked the trail, but was not comfortable with adding an access point near Carl Dow's property. Another location is preferable since he already has traffic to contend with from the highway garage and Rotary Park at Beachwood.
- Selectman Hutchins had security concerns with having the garage in the vicinity of the trail.
- Selectman Briggs said that if there are no costs involved, the trail is

reasonable for those that walk.

- Ms. Cook said there may be costs involved. As for any noise impact, she said she can put up an evergreen screen to soften the sound.
- Ms. Smith commented that she does not think there will be a lot of activity and the public works director thinks they have proper security at the Town garage.

No motion was made by the Board.

**11. Award bid for purchase of 14 Scott SCBA cylinders.**

Fire Chief Allan received the following bids for the purchase of 14 Scott SCBA cylinders:

Fire Tech & Safety	\$9,520.00
Industrial Protection Services	\$9,800.00
Fisher Scientific	\$14,000.00
Grainger	\$24,444.00

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull, to approve the bid for the purchase of 14 Scott SCBA cylinders to Fire Tech & Safety in the amount of \$9,520.00. **Vote:** 4-0.

**12. Approve Certificates of Commitment of Sewer User Rates for supplemental bill.**

Vice-Chair Daggett said this bill was not included in the Certificate of Commitment of Sewer Rates from the last meeting.

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull, to approve the Certificates of Commitment of Sewer User Rates for supplemental bill in the amount of \$410.00. **Vote:** 4-0.

**13. Discussion of appointments to the Mat Lanigan Bridge Advisory Committee.**

Ms. Smith said the Department of Transportation had their first meeting to discuss replacing the Mat Lanigan Bridge. She suggested appointing an advisory committee from both Kennebunk and Kennebunkport to help the Towns work with DOT in the design and construction process. The committee should consist of no more than five members from each town. She said the committee would just be advisory, and a representative from both the Chamber of Commerce and Kennebunkport Business Association would be good candidates.

Selectman Matthews-Bull said she had someone in mind from the Kennebunk-

port Business Association that she will talk to that person.

Vice-Chair Daggett requested that this request for volunteers should be posted on the Town website and on the Town's government channel.

**14. Approve a street opening permit for Andrew Barowsky Trustee, for underground electric service at 47 South Maine Street.**

**Motion** by Selectman Hutchins, seconded by Selectman Matthews-Bull, to approve a street opening permit for Andrew Barowsky Trustee, for underground electric service at 47 South Maine Street. **Vote:** 4-0.

**15. Other business.**

**a. Consider nominations for MMA's Legislative Policy Committee.**

There were no nominations.

Selectmen Briggs announced that the Board of Directors at Atlantic Hall raised \$1,700 to help preserve the building. He said they are having another fundraiser, a pancake breakfast, on Sunday, from 8 - 11 AM.

Selectman Briggs also mentioned that the vote on June 10 for the State Revolving Funds is very important. He said these funds will go toward safety enhancements for Consolidated School. Consolidated School would receive \$728,726, with 30% coming from grants, and the other 70% from an interest free, 10 year loan.

Selectman Hutchins said he will be working at the pancake breakfast that Selectman Briggs mentioned and that he supports the State Revolving Funds.

Ms. Smith made the following announcements:

- The proposed construction at Silas Perkins Park did not get approved by the Planning Board. She suggested having a public meeting to solicit public input.
- She would like the Board to sign a letter she is sending to Senators Angus King and Susan Collins asking for funding for the maintenance dredge project at Cape Porpoise Harbor.
- The Memorial Day Parade on Monday, May 26, starts at 9:30 AM, at the Masonic Hall on Temple Street.
- The Public Health Department is having free hearing exams at the Public Health Office on May 27, from 10 - 2 PM. Residents should call to reserve an appointment at 967-4401.

- Stuff the Bus will be held on Election Day, June 10, from 8 to 5 PM. Voters can bring in nonperishable food items or donations which go to the food pantry.
- The Town newsletter should be in residents' mailboxes as a supplement in the *Kennebunk Post* On May 23, and those with Cape Porpoise Post Office boxes should also receive them on that date.

**16. Consider the May 22, 2014, Treasurer's Warrant.**

**Motion** by Selectman Matthews-Bull, seconded by Selectman Hutchins, to approve the May 22, 2014, Treasurer's Warrant. *Vote:* 4-0.

**17. Adjournment.**

**Motion** by Selectman Matthews-Bull, seconded by Selectman Hutchins, to adjourn. *Vote:* 4-0.

The meeting adjourned at 8:37 PM.

Submitted by

Arlene McMurray  
Administrative Assistant



EXHIBIT A - May 22, 2014  
NORTH STREET PEDESTRIAN LIGHTING  
MAY 22, 2014 PRESENTATION

History

Parking at 30 North Street was installed around 2002

Lighting at 30 North Street

When lighting was proposed the proposed solution needed to work with the abutters who did not want lighting to shine in their windows. Original design used 50 watt metal halide luminaires, pre-LED lighting. This lighting was completely shielded with all light directed toward the ground. To the passing motorist the lot appears dark, when walking in the lot it feels illuminated. Within the last five years the lamp wattage was increased to 70 watts in all of the fixtures, increasing the illumination on the ground but not changing the perception of the lot when driving on North Street.

Lighting and safety along North Street for the last 12 years

25 mile per hour speed limit

Speed limit strictly enforced

Number of vehicular accidents since parking completed: I believe 0

Number of vehicular pedestrian accidents since parking completed: I believe 0

Number of accidents for pedestrians since parking completed: I believe 0

Why light the sidewalk?

Public Perception sidewalk is not illuminated sufficiently for the high volume of pedestrian traffic during specific times of the year. (Summer and Xmas Prelude)

Town leased lighting from CMP is on the opposite side of the street mounted to the existing power poles. This light does not provide sufficient illumination across the street on to the sidewalk.

Design Solutions

These are some of the ideas the Lighting Committee has discussed over the last 12 years

Install the proposed sidewalk lighting. See description below.

Use illuminated 36" to 42" bollards along sidewalk

Have the neighbors leave their front lights on.

Hand-out flashlights at each end

Have higher lumen lighting on long arms added to the existing power poles in place of the existing low wattage platter lights.

This solution was added at some point at the crosswalk at 30 North Street using a CMP cobra-head fixture in low wattage High Pressure Sodium.

Add a sidewalk on the other side of the street where the CMP lights are located.

### **PROPOSED LIGHTING**

LIGHTS AT THIS TIME ARE BEING PROPOSED TO RUN FROM CROSSWALK AT 30 NORTH STREET TOWARDS DOCK SQUARE TO THE CROSSWALK AT THE JUNCTION OF MAINE AND NORTH

WE ARE PROPOSING USING 8 LED FIXTURES AND POLES WITH MINIMAL ENERGY USE AND LOW MAINTENANCE.

WE ARE USING THE LIGHTS FOR ILLUMINATION OF THE SIDEWALK ONLY

WE ARE NOT LIGHTING THE SIDEWALK EVENLY, BUT WITH LINEAR POOLS OF LIGHT

PLACEMENT OF LIGHTS SHALL BE AT PROPERTY LINES AND NOT INFRONT OF BUILDINGS, WHEN POSSIBLE

THE TOWN WOULD OWN AND MAINTAIN THESE 8 LIGHTS

METAL HALIDE LIGHTING IN DOCK SQUARE SHALL NOT BE USED.

DOCK SQUARE FIXTURE SHALL NOT BE USED.

### **FIXTURES**

LIGHTS SHALL BE SINGLE UNITS MOUNTED ON TOP OF A 10'-6" +/- POLE. THIS PLACES THE LIGHT EMITTING SURFACE 12'-0" OFF THE GROUND. BASE SHALL BE 0'-3" ABOVE THE GROUND.

LIGHTING FIXTURES MEETS TOWN ORDINANCE WITH NO LIGHT EMITTED ABOVE 90 DEGREES FROM THE GROUND. "FULL CUT-OFF"

LIGHT WILL HAVE A CORRELATED COLOR TEMP OF 3,000 K AVERAGE, WARM WITH A COLOR RENDERING INDEX CRI OF 80 +.

THE LEDS HAVE A PUBLISHED LIFE OF 100,000 HRS (8,760 HOURS IN A YEAR)

FINISH ON POLE AND FIXTURE SHALL BE BLACK

THE ONE LIGHT AT NORTH AND MAINE STREET THROWS LIGHT OUT ON TO THE CROSSWALK "TYPE 4 PATTERN"

THE SEVEN LIGHTS ALONG NORTH STREET HAVE AN ELONGATED DISTRIBUTION. "TYPE 1 PATTERN"

LIGHTS HAVE DIMMABLE DRIVERS AND SHALL BE USED TO REDUCE LIGHT LEVELS TO THOSE LEVELS COMPATIBLE WITH LIGHTING LEVELS IN THE AREA

### **OPTIONAL CONTROLS WIRED OR WIRELESS**

MOTION SENSOR or ASTRONOMICAL TIME CLOCK CONTROLLED or PHOTO-CELL

2 LEVEL

BRIGHTEST AT DUSK TILL A PRESET TIME THEN CHANGES TO LOWER LEVEL  
AFTER HOURS TILL DAWN

THIS LOWER LEVEL CAN BE USED AFTER JAN. 1, AND TURNED TO A HIGHER  
LEVEL WHEN REQUIRED FOR SPECIAL EVENTS.

FINAL LAYOUT, CONTROL SYSTEM STILL NEED TO BE DESIGNED.

WHERE CAN WE SEE A SIMILAR INSTALLATION? NO WHERE, THE LIGHTING IN TOWN IS UNIQUE TO OUR  
TOWN. THE RESTRICTION OF THE LIGHT PATTERN ON THE GROUND CAN BE SEEN AT THE NORTH  
STREET PARKING LOT.

## **SAMPLE LIGHT LEVELS FOR REFERENCE**

DOCK SQUARE

AROUND THE LIGHT ON GROUND ON SIDEWALK

2.00 FOOT-CANDLES

BETWEEN THE POLES ON SIDE WALK

0.85 FOOT-CANDLES

CENTER OF STREET

0.85 FOOT-CANDLES

JUNCTION OF NORTH AND MAINE

AT CROSS-WALK

0.03 FOOT-CANDLES

JUNCTION OF MILL LANE AND NORTH STREET

UNDER CMP POLE/LIGHT

0.17 FOOT-CANDLES

AT SIDEWALK ACROSS FROM POLE

0.03 FOOT-CANDLES

CROSSWALK AT 30 NORTH STREET

UNDER CMP POLE HPS LIGHT

1.00 FOOT-CANDLES

ACROSS STREET

0.43 FOOT-CANDLES

30 NORTH STREET PARKING

UNDER POLE

0.60 FOOT-CANDLES

BETWEEN POLES IN CENTER

0.05 FOOT-CANDLES

32 NORTH STREET

OUTSIDE MEETING ROOM DOOR UNDER CANOPY

6.40 FOOT-CANDLES

OUTSIDE MEETING ROOM BY DOOR TO TRUCK BAYS

4.25 FOOT-CANDLES  
OUTSIDE ON DOCK SQUARE SIDE  
2.50 FOOT-CANDLES  
INSIDE ON TABLE  
35.00 FOOT-CANDLES

READINGS TAKEN 8:00 TO 8:30 PM 04-09-2014, CLEAR NIGHT HIGH DEW POINT

**KIM LIGHTING**

# LEB Lantern ERA® 19" PicoEmitter™ LED

## Medium Housing, Bottom Mount, Single Straight Arm

1/14/14 • kl\_leb19sseled\_spec.pdf

**Type:** A**Job:** NORTH STREET**Catalog number:**

PT / LEB-19-SS-1-E35 60L3K120 BL

Mtg. Fixture

Electrical Module

Finish

See page 2

See page 3

**Approvals:**

Options

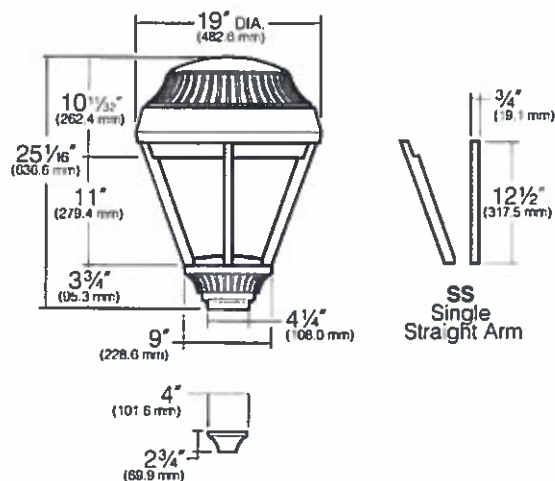
BY OTHERS

Pole and Arm

Select pole from Kim Arms and Poles Selection Guide  
If pole is provided by others indicate O.D. for arm fitting.**Date:** 05-22-2014**Page:** 1 of 6

## Specifications

LEB19SS - Medium  
Bottom Mount  
Single Straight Arm  
60 LEDs



**LEB Bottom Mount Adapter  
for mounting to arms**

**Housing:** One-piece, die-cast low copper (<0.6% Cu) aluminum alloy components with integral cooling fins.

**Lens Frame:** One-piece, die-cast low copper (<0.6% Cu) aluminum alloy. Stainless steel hinges provided for attachment to housing. The 3/16" thick clear flat tempered glass lens seals against the EmitterDeck® flange with a one-piece silicone gasket.

**Hub:** Die-cast, low copper (<0.6% Cu) aluminum alloy with die-cast access cover. Hub is used to support the arm components and for overall support of the luminaire and provides field wire access. Mounting is to a single pole or a tenon mount for poles by-others. A sand-cast adaptor casting is provided when HA-Arms are specified.

**Lantern Arm:** Single Straight, die-cast, low copper aluminum alloy supports the housing and provides access for wiring. Optional trims are available to compliment the arm styling.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, LifeShield® temperature control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Precision, replaceable PicoEmitter reflectors are positioned to achieve directional control toward desired task. The entire EmitterDeck mounting assembly fastens to the housing as a one-piece module.

**Mounting:** The fixture is equipped for ~~flush mount (FM)~~, Pole Tenon Mount (PT), or as an arm mount.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, ~~(DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).~~

**Listed To:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires.

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



KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

Type:

Job:

Page: 2 of 6



## Standard Features

### Mounting

Plan View: ● ● ● ● ● ● ● Wall Mount

Cat. No.: ☐ FM ☒ PT ☐ 1SA ☐ 2SB ☐ 3SY ☐ 4SC ☐ 1W

**NOTE:** **FM** Flush Mount for direct mounting to top of pole. 3 3/8", 4", 5", and 6" available. **PT** Pipe Tenon Mount for poles by others where a tenon is supplied. 2" pipe (2 3/8" x 4" length). **1SA**, **2SB**, **3SY** and **4SC** Side Mount orientation using the arms in the Kim Arms and Poles Selection Guide. **1W** Single Wall Mount configuration using the arms and wall plates in the Kim Arms and Poles Selection Guide. **1W** Wall Mount arm is **not** included and must be ordered separately. See page 5 for styles and ordering information.

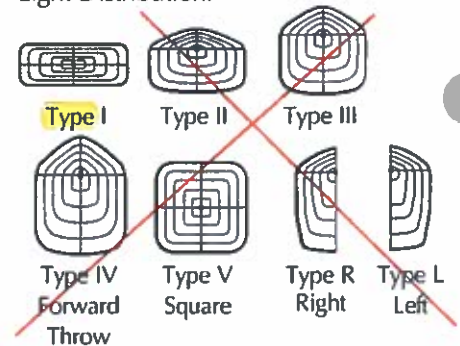
### Fixture

LEB 19 SS x E35  
**Housing:**  
**LEB**  
**Size:**  
**19** = 19" Small  
60 LEDs  
**SS** = Single  
Straight  
Arm  
E35 = 350mA

#### Distribution:

- ☒ 1 = Type I Full Cutoff
- ☐ 2 = Type II Full Cutoff
- ☐ 3 = Type III Full Cutoff
- ☐ 4 = Type IV Full Cutoff
- ☐ 5 = Type V Square Full Cutoff
- ☐ L = Type L Left Full Cutoff
- ☐ R = Type R Right Full Cutoff

#### Light Distribution:



### Electrical Module

Cat. Nos. for Electrical Modules available:

60L xK x  
**Source:**  
60L = 60 LED's  
**Color Temperature:**  
☐ 2K = 580nm - Amber  
☒ 3K = 3000K  
☐ 4K = 4200K  
☐ 5K = 5100K  
**Voltage:**  
☐ 120 = 120V  
☐ 208 = 208V  
☐ 240 = 240V  
☐ 277 = 277V  
☐ 347 = 347V<sup>1</sup>  
☐ 480 = 480V<sup>1</sup>

<sup>1</sup>Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

### Finish

TGIC powder coat

Color: **Black** Dark Bronze Light Gray Stealth Gray Platinum Silver White Custom Color<sup>2</sup>  
Cat. No.: ☐ BL ☐ DB ☐ LG ☐ SG ☐ PS ☐ WH ☐ CC

<sup>2</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: \_\_\_\_\_

Type:

Job:

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## Optional Features

**Leaflet**

Cat. No. ☐ LEAF  
☒ No Option

Heavy cast aluminum leaflets on top and bottom of luminaire arms. (SS) only.


**Finial**

Cat. No. ☐ TF  
☒ No Option

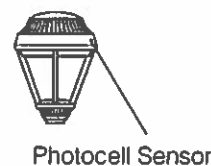
Heavy cast aluminum finial on top of lantern housing. For use with Bottom Mount (BM) luminaire only.


**Photocell**

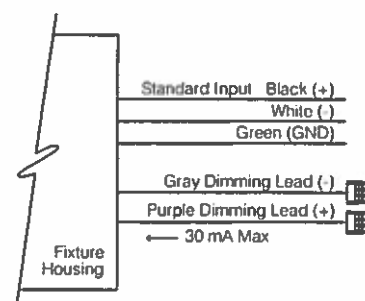
Cat. No. (see right)  
☒ No Option

Factory installed photocell inside housing with a fully gasketed sensor on the side wall.

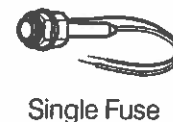
Cat. No.	Line Volts:	Cat. No.	Line Volts:
<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V
<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-35	347V
<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-34	480V


**0-10V Dimming Interface**

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems including Hubbell Building Automation wiHUBB™. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.


**Fusing**

Cat. No. (See right)  
☒ No Option

High temperature fuse holders factory installed inside the fixture housing.  
Line Volts: 120V 208V 240V 277V 347V 480V  
Cat. No.: ☐ SF ☐ DF ☐ DF ☐ SF ☐ SF ☐ DF

**Poles**

See Kim Lighting's Arms and Poles Selection Guide.

Type:

Job:

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## Optional Features

### Outdoor Occupancy Sensor

Cat. No. (See right)  
☐ No Option

### Side Pole Mount

Outdoor Occupancy Sensor with 0-10VDC dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Available in voltages to match luminaire from 120 through 480VAC. Module color available in Black, Gray, or White (Picked at the factory when luminaire color is chosen, black used for dark colors). Field Adjustable Timeout settings for 5, 10, 15, and 30 minutes (Factory default is 5-minutes). Field adjustable unoccupied dimming level, 20%, 50%, 60%, or 70% (Factory default is 50%). One sensor can support multiple units up to 1500 watts. (Wiring from module to luminaire(s) is by-others). Mounted to a cast pole adapter painted to match pole.

Cat. No.

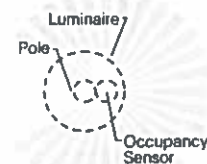
☒ **SCL-R\*/\*\*/\*\*** – Pole Occupancy Sensor up to 16', UNV (120-347V) or 480V. Specify pole diameter.

☐ **SCL-S\*/\*\*/\*\*** – Pole Occupancy Sensor up to 16', UNV (120-347V) or 480V. Square pole mount.

☐ **SCH-R\*/\*\*/\*\*** – Pole Occupancy Sensor up to 30', UNV (120-347V) or 480V. Specify pole diameter.

☐ **SCH-S\*/\*\*/\*\*** – Pole Occupancy Sensor up to 30', UNV (120-347V) or 480V. Square pole mount.

\* Pole Diameter, \*\* Voltage, \*\*\* Color

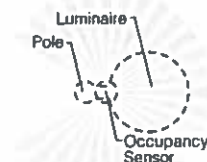
**Ordering Example: SCL-R4/UNV/BL**


Side Pole Mount  
Detection Pattern  
Top View for Round Luminaire  
Mounted on Post Top

**NOTE:** Occupancy detection is blocked directly behind pole. Install occupancy sensor as far away from pole as possible to maximize detection.



Outdoor  
Occupancy Sensor  
Side Pole Mount



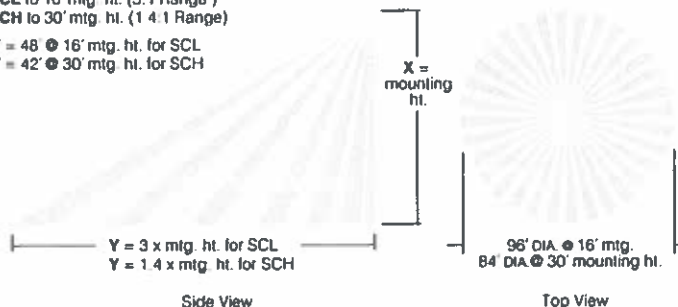
Side Pole Mount  
Detection Pattern  
Top View for Round Luminaire  
Mounted on Arm

**NOTE:** For 360° coverage, install two occupancy sensors 180° apart on pole

### Sensor Lens Coverage and Detection Patterns

SCL to 16' mtg. ht. (3:1 Range)  
SCH to 30' mtg. ht. (1.4:1 Range)

Y = 48' @ 16' mtg. ht. for SCL  
Y = 42' @ 30' mtg. ht. for SCH





Type:

Job:










Page: 5 of 6










## Arm Options

### Arms

**Note:** Refer to Kim Lighting's Arms and Poles Selection Guide for complete details. **1W** Wall Mount arm is not included and must be ordered separately.

Mtg.	Side Pole Swept Cast Arm			Side Pole S-Shaped Up Cast Arm			Side Pole S-Shaped Down Cast Arm		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	<input type="checkbox"/> HA11S	<input type="checkbox"/> HA11S-TM1	<input type="checkbox"/> HA11S-W	<input type="checkbox"/> HA12S	<input type="checkbox"/> HA12S-TM1	<input type="checkbox"/> HA12S-W	<input type="checkbox"/> HA13S	<input type="checkbox"/> HA13S-TM1	<input type="checkbox"/> HA13S-W
2SB	—	<input type="checkbox"/> HA11S-TM2	—	—	<input type="checkbox"/> HA12S-TM2	—	—	<input type="checkbox"/> HA13S-TM2	—
3SY	—	<input type="checkbox"/> HA11S-TM3	—	—	<input type="checkbox"/> HA12S-TM3	—	—	<input type="checkbox"/> HA13S-TM3	—
4SC	—	<input type="checkbox"/> HA11S-TM4	—	—	<input type="checkbox"/> HA12S-TM4	—	—	<input type="checkbox"/> HA13S-TM4	—
									

Mtg.	Side Pole/Wall Mount Ribbon Arm w/Bottom Scroll			Side Pole/Wall Mount Ribbon Arm w/Bottom Gusset			Side Pole Ribbon Arm w/Bottom Brace		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	<input type="checkbox"/> HA32S	<input type="checkbox"/> HA32S-TM1	<input type="checkbox"/> HA32S-W	<input type="checkbox"/> HA34S	<input type="checkbox"/> HA34S-TM1	<input type="checkbox"/> HA34S-W	<input type="checkbox"/> HA36S	<input type="checkbox"/> HA36S-TM	<input type="checkbox"/> HA36S-W
2SB	—	<input type="checkbox"/> HA32S-TM2	—	—	<input type="checkbox"/> HA34S-TM2	—	—	Consult Factory	Consult Factory
3SY	—	<input type="checkbox"/> HA32S-TM3	—	—	<input type="checkbox"/> HA34S-TM3	—	—	Consult Factory	Consult Factory
4SC	—	<input type="checkbox"/> HA32S-TM4	—	—	<input type="checkbox"/> HA34S-TM4	—	—	Consult Factory	Consult Factory
									

### Arm Finial:

**HAF2** - Traditional style finial available to close off mounting hub opposite the fixture.



Type:

Job:

Page: 6 of 6



## Lumen Data

Spectroradiometric			
	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K
Color Rendering Index (CRI)	80≤	80≤	≤70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	100,000 hrs	Calculated L70
350 mA	93.33%	596,000 hrs.

Electrical Drive Current		
350mA		
Volts - AC	Amps - AC	System Watts
120	0.56	67
208	0.32	67
240	0.28	67
277	0.24	67
347	0.19	67
480	0.14	67

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	TBD	B1 U0 G1	B1 U0 G1	N/A	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4200K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	B1 U0 G1	B2 U0 G1	TBD
5100K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	B1 U0 G1	B3 U0 G1	TBD

Absolute Lumens for 350mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	TBD	3714	3522	N/A	3507	2951	3685	TBD
4200K	TBD	4822	4573	N/A	4553	3830	4784	TBD
5100K	TBD	5159	4892	N/A	4871	4098	5118	TBD

LED performance and lumen output continues to improve at a rapid pace. Log onto [www.kimlighting.com](http://www.kimlighting.com) to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

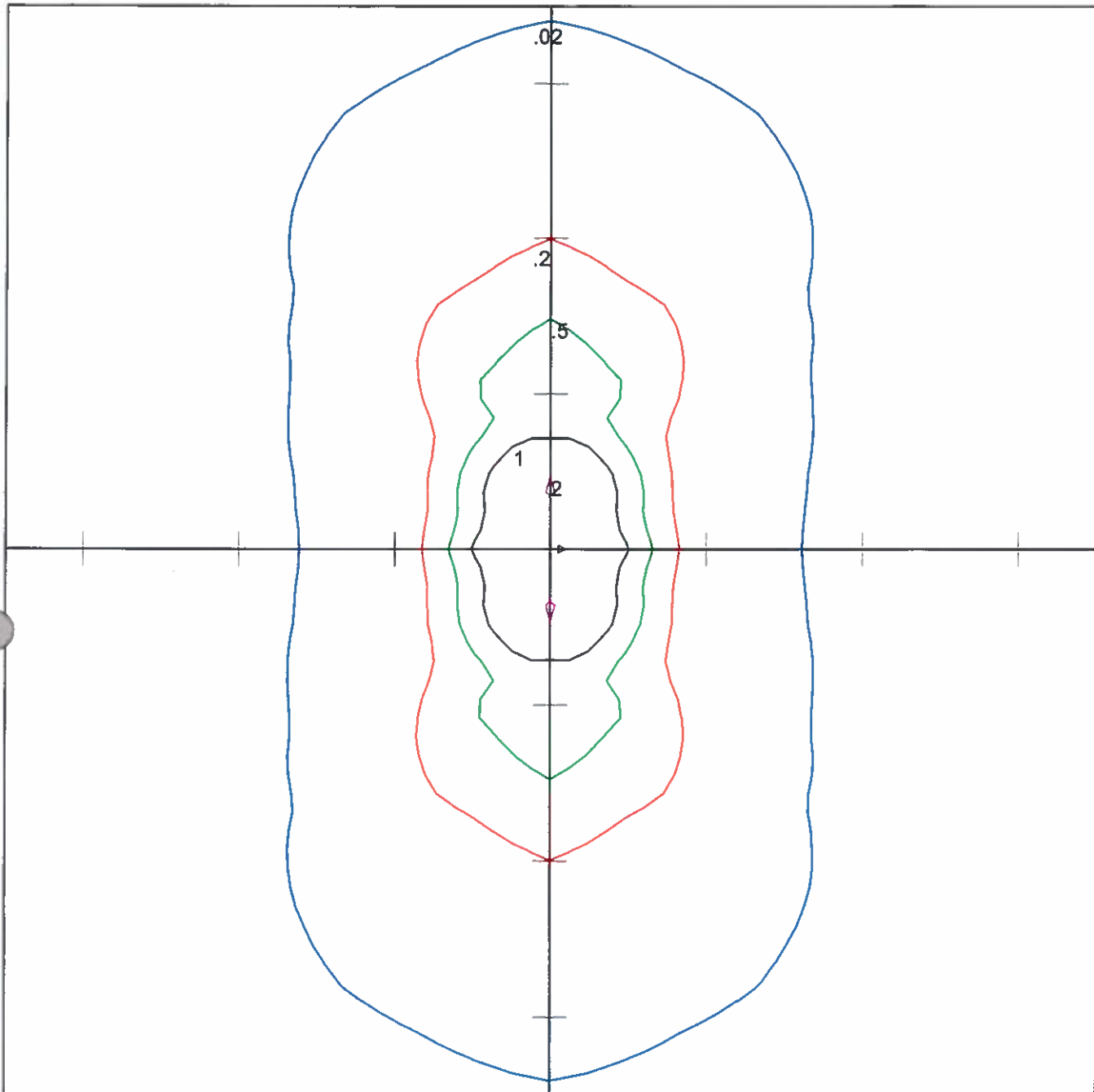
\*Data is prorated from 5000K IES files.



# Photometric Toolbox™

TYPE A

12'-0" MOUNTING



KIM LIGHTING  
BE171E35-60L3K  
ERA BELL LED  
DIE-CAST ALUMINUM HOUSING AND DIE-CAST  
ALUMINUM LENS FRAME.  
FLAT GLASS LENS. LED EMITTER DECK INCLUDES  
SPUN ALUMINUM  
DECK, LED MODULES, HEATSINKS, AND PRISMS.

Horizontal Footcandles  
Scale: 1 Inch = 20 Ft.  
Light Loss Factor = 0.50  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 3861  
Mounting Height = 12.00 Ft  
Maximum Calculated Value = 2.09 Fc  
Arrangement: Single

REDUCED TO 50%

PHOTOMETRIC FILENAME : A - BE171E35-60L3K.IES

**DESCRIPTIVE INFORMATION (From Photometric File)**

KIM LIGHTING  
BE171E35-60L3K  
ERA BELL LED  
DIE-CAST ALUMINUM HOUSING AND DIE-CAST  
ALUMINUM LENS FRAME.  
FLAT GLASS LENS. LED EMITTER DECK INCLUDES  
SPUN ALUMINUM  
DECK, LED MODULES, HEATSINKS, AND PRISMS.

**TEMPLATE SPECIFICATION**

Horizontal Footcandles  
Scale: 1 Inch = 20 Ft.  
Light Loss Factor = 0.50  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 3861  
Mounting Height = 12.00 Ft  
Maximum Calculated Value = 2.09 Fc  
Arrangement: Single

**LUMINAIRE LAYOUT INFORMATION**

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	12.00	0.00	0.00	0.00	0.00	1.00

**KIM LIGHTING**

# LEB Lantern ERA® 19" PicoEmitter™ LED

## Medium Housing, Bottom Mount, Single Straight Arm

1/14/14 • kl\_leb19sseled\_spec.pdf

**Type:** B**Job:** NORTH STREET**Catalog number:**

PT / LEB-19-SS-4-E35 60L3K120 BL

Mtg. Fixture

Electrical Module

Finish

See page 2

See page 3

**Approvals:**

Options

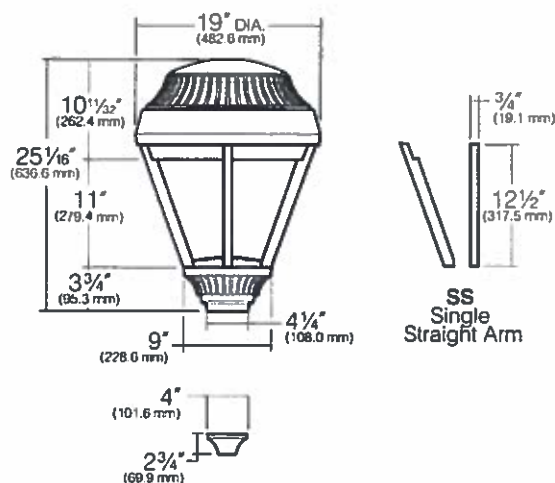
BY OTHERS

Pole and Arm

Select pole from Kim Arms and Poles Selection Guide  
if pole is provided by others indicate O.D. for arm fitting.**Date:** 05-22-2014**Page:** 1 of 6

## Specifications

LEB19SS - Medium  
Bottom Mount  
Single Straight Arm  
60 LEDs



**LEB Bottom Mount Adapter  
for mounting to arms**

**Housing:** One-piece, die-cast low copper (<0.6% Cu) aluminum alloy components with integral cooling fins.

**Lens Frame:** One-piece, die-cast low copper (<0.6% Cu) aluminum alloy. Stainless steel hinges provided for attachment to housing. The 3/16" thick clear flat tempered glass lens seals against the EmitterDeck® flange with a one-piece silicone gasket.

**Hub:** Die-cast, low copper (<0.6% Cu) aluminum alloy with die-cast access cover. Hub is used to support the arm components and for overall support of the luminaire and provides field wire access. Mounting is to a single pole or a tenon mount for poles by-others. A sand-cast adaptor casting is provided when HA-Arms are specified.

**Lantern Arm:** Single Straight, die-cast, low copper aluminum alloy supports the housing and provides access for wiring. Optional trims are available to compliment the arm styling.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, LifeShield® temperature control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options..

**Optical Module:** Precision, replaceable PicoEmitter reflectors are positioned to achieve directional control toward desired task. The entire EmitterDeck mounting assembly fastens to the housing as a one-piece module.

**Mounting:** The fixture is equipped for ~~flush mount (FM)~~, Pole Tenon Mount (PT), or as an arm mount.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, ~~(DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (include RAL#).~~

**Listed To:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires.

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



HUBBELL LIGHTING, INC.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

Type:

Job:

Page: 2 of 6



## Standard Features

### Mounting

Plan View: ● ● ● ● ● ● ● ● Wall Mount

Cat. No.: ☐ FM ☒ PT ☐ 1SA ☐ 2SB ☐ 3SY ☐ 4SC ☐ 1W

**NOTE:** FM Flush Mount for direct mounting to top of pole. 3 3/8", 4", 5", and 6" available. PT Pipe Tenon Mount for poles by others where a tenon is supplied. 2" pipe (2 3/8" x 4" length). 1SA, 2SB, 3SY and 4SC Side Mount orientation using the arms in the Kim Arms and Poles Selection Guide. 1W Single Wall Mount configuration using the arms and wall plates in the Kim Arms and Poles Selection Guide. 1W Wall Mount arm is not included and must be ordered separately. See page 5 for styles and ordering information.

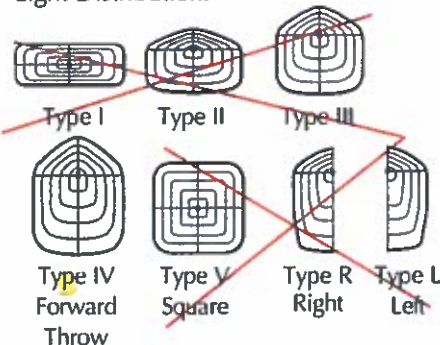
### Fixture

LEB 19 SS x E35  
Housing: LEB  
Size: 19 = 19" Small 60 LEDs  
SS = Single Straight Arm  
E35 = 350mA

#### Distribution:

- ☐ 1 = Type I Full Cutoff
- ☐ 2 = Type II Full Cutoff
- ☐ 3 = Type III Full Cutoff
- ☒ 4 = Type IV Full Cutoff
- ☐ 5 = Type V Square Full Cutoff
- ☐ L = Type L Left Full Cutoff
- ☐ R = Type R Right Full Cutoff

#### Light Distribution:



### Electrical Module

Cat. Nos. for Electrical Modules available:

60L xK x

Source: 60L = 60 LED's

Color Temperature:<sup>1</sup>

- ☐ 2K = 580nm - Amber
- ☒ 3K = 3000K
- ☐ 4K = 4200K
- ☐ 5K = 5100K

Voltage:

- ☐ 120 = 120V
- ☐ 208 = 208V
- ☐ 240 = 240V
- ☐ 277 = 277V
- ☐ 347 = 347V<sup>1</sup>
- ☐ 480 = 480V<sup>1</sup>

<sup>1</sup>Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

### Finish

TGIC powder coat

Color: Black Dark Bronze Light Gray Stealth Gray Platinum Silver White Custom Color<sup>2</sup>  
Cat. No.: ☐ BL ☐ DB ☐ LG ☐ SG ☐ PS ☐ WH ☐ CC

<sup>2</sup>Custom colors subject to additional charges, minimum quantities and extended lead time. Consult representative. Custom color description: \_\_\_\_\_

Type:

Job:

Page: 3 of 6



## Optional Features

**Leaflet**

Cat. No. ☐ LEAF  
☒ No Option

Heavy cast aluminum leaflets on top and bottom of luminaire arms. (SS) only.


**Finial**

Cat. No. ☐ TF  
☒ No Option

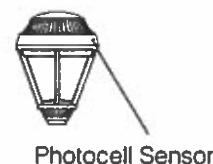
Heavy cast aluminum finial on top of lantern housing. For use with Bottom Mount (BM) luminaire only.


**Photocell**

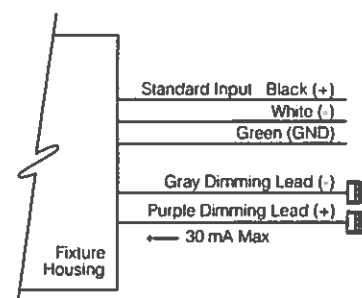
Cat. No. (see right)  
☒ No Option

Factory installed photocell inside housing with a fully gasketed sensor on the side wall.

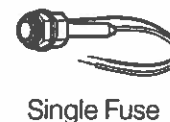
Cat. No.	Line Volts:	Cat. No.	Line Volts:
<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V
<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-35	347V
<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-34	480V


**0-10V Dimming Interface**

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems including Hubbell Building Automation wiHUBB™. Approved dimmers include Lutron Diva AVTV, Lutron Nova NDTV and NTFTV. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.


**Fusing**

Cat. No. (See right)  
☒ No Option

High temperature fuse holders factory installed inside the fixture housing.  
Line Volts: 120V 208V 240V 277V 347V 480V  
Cat. No.: ☐ SF ☐ DF ☐ DF ☐ SF ☐ SF ☐ DF

**Poles**

See Kim Lighting's Arms and Poles Selection Guide.



Type:

Job:

Page: 4 of 6

## Optional Features

### Outdoor Occupancy Sensor

Cat. No. (See right)  
☐ No Option

#### Side Pole Mount

Outdoor Occupancy Sensor with 0-10VDC dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Available in voltages to match luminaire from 120 through 480VAC. Module color available in Black, Gray, or White (Picked at the factory when luminaire color is chosen, black used for dark colors). Field Adjustable Timeout settings for 5, 10, 15, and 30 minutes (Factory default is 5-minutes). Field adjustable unoccupied dimming level, 20%, 50%, 60%, or 70% (Factory default is 50%). One sensor can support multiple units up to 1500 watts. (Wiring from module to luminaire(s) is by-others). Mounted to a cast pole adapter painted to match pole.

Cat. No.

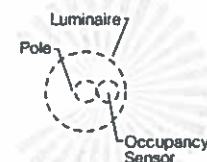
☒ **SCL-R\*/\*\*/\*\*** – Pole Occupancy Sensor up to 16', UNV (120-347V) or 480V. Specify pole diameter.

☐ **SCL-S\*/\*\*/\*\*** – Pole Occupancy Sensor up to 16', UNV (120-347V) or 480V. Square pole mount.

☐ **SCH-R\*/\*\*/\*\*** – Pole Occupancy Sensor up to 30', UNV (120-347V) or 480V. Specify pole diameter.

☐ **SCH-S\*/\*\*/\*\*** – Pole Occupancy Sensor up to 30', UNV (120-347V) or 480V. Square pole mount.

\* Pole Diameter, \*\* Voltage, \*\*\* Color

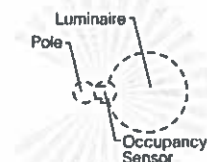
**Ordering Example: SCL-R4/UNV/BL**


Side Pole Mount  
Detection Pattern  
Top View for Round Luminaire  
Mounted on Post Top

**NOTE:** Occupancy detection is blocked directly behind pole. Install occupancy sensor as far away from pole as possible to maximize detection.



Outdoor  
Occupancy Sensor  
Side Pole Mount



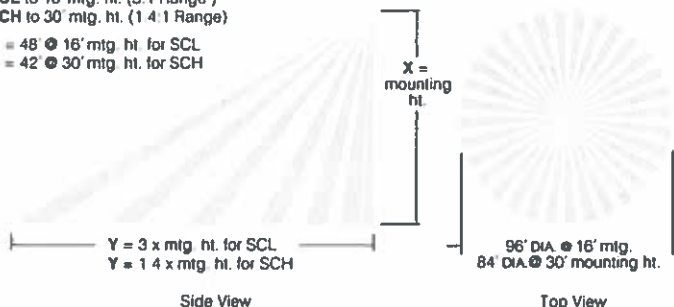
Side Pole Mount  
Detection Pattern  
Top View for Round Luminaire  
Mounted on Arm

**NOTE:** For 360° coverage, install two occupancy sensors 180° apart on pole

### Sensor Lens Coverage and Detection Patterns

SCL to 16' mtg. ht. (3:1 Range)  
SCH to 30' mtg. ht. (1.4:1 Range)

Y = 48' @ 16' mtg. ht. for SCL  
Y = 42' @ 30' mtg. ht. for SCH





Type:








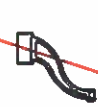

Job:








Page: 5 of 6



## Arm Options

**Arms** **Note:** Refer to Kim Lighting's Arms and Poles Selection Guide for complete details. 1W Wall Mount arm is not included and must be ordered separately.

Mtg.	Side Pole Swept Cast Arm			Side Pole S-Shaped Up Cast Arm			Side Pole S-Shaped Down Cast Arm		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	<input type="checkbox"/> HA11S	<input type="checkbox"/> HA11S-TM1	<input type="checkbox"/> HA11S-W	<input type="checkbox"/> HA12S	<input type="checkbox"/> HA12S-TM1	<input type="checkbox"/> HA12S-W	<input type="checkbox"/> HA13S	<input type="checkbox"/> HA13S-TM1	<input type="checkbox"/> HA13S-W
2SB	—	<input type="checkbox"/> HA11S-TM2	—	—	<input type="checkbox"/> HA12S-TM2	—	—	<input type="checkbox"/> HA13S-TM2	—
3SY	—	<input type="checkbox"/> HA11S-TM3	—	—	<input type="checkbox"/> HA12S-TM3	—	—	<input type="checkbox"/> HA13S-TM3	—
4SC	—	<input type="checkbox"/> HA11S-TM4	—	—	<input type="checkbox"/> HA12S-TM4	—	—	<input type="checkbox"/> HA13S-TM4	—
									

Mtg.	Side Pole/Wall Mount Ribbon Arm w/Bottom Scroll			Side Pole/Wall Mount Ribbon Arm w/Bottom Gusset			Side Pole Ribbon Arm w/Bottom Brace		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	<input type="checkbox"/> HA32S	<input type="checkbox"/> HA32S-TM1	<input type="checkbox"/> HA32S-W	<input type="checkbox"/> HA34S	<input type="checkbox"/> HA34S-TM1	<input type="checkbox"/> HA34S-W	<input type="checkbox"/> HA36S	<input type="checkbox"/> HA36S-TM	<input type="checkbox"/> HA36S-W
2SB	—	<input type="checkbox"/> HA32S-TM2	—	—	<input type="checkbox"/> HA34S-TM2	—	—	Consult Factory	Consult Factory
3SY	—	<input type="checkbox"/> HA32S-TM3	—	—	<input type="checkbox"/> HA34S-TM3	—	—	Consult Factory	Consult Factory
4SC	—	<input type="checkbox"/> HA32S-TM4	—	—	<input type="checkbox"/> HA34S-TM4	—	—	Consult Factory	Consult Factory
									

**Arm Finial:** **HAF2** - Traditional style finial available to close off mounting hub opposite the fixture.



Type:

Job:

Page: 6 of 6



## Lumen Data

Spectroradiometric			
	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K
Color Rendering Index (CRI)	80≤	80≤	≤70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	100,000 hrs	Calculated L70
350 mA	93.33%	596,000 hrs.

Electrical Drive Current		
350mA		
Volts - AC	Amps - AC	System Watts
120	0.56	67
208	0.32	67
240	0.28	67
277	0.24	67
347	0.19	67
480	0.14	67

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	TBD	B1 U0 G1	B1 U0 G1	N/A	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4200K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	B1 U0 G1	B2 U0 G1	TBD
5100K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	B1 U0 G1	B3 U0 G1	TBD

Absolute Lumens for 350mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	TBD	3714	3522	N/A	3507	2951	3685	TBD
4200K	TBD	4822	4573	N/A	4553	3830	4784	TBD
5100K	TBD	5159	4892	N/A	4871	4098	5118	TBD

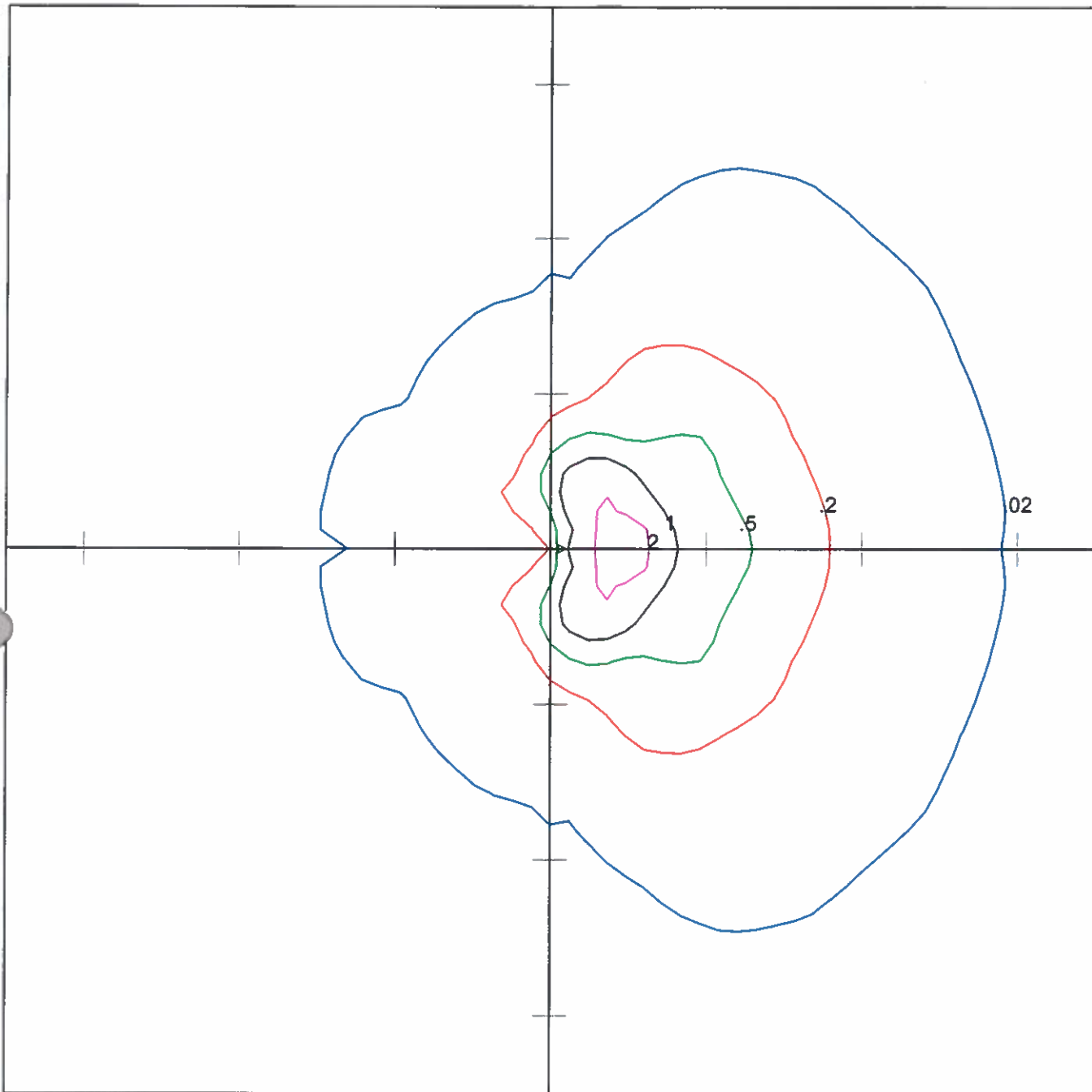
LED performance and lumen output continues to improve at a rapid pace. Log onto [www.kimlighting.com](http://www.kimlighting.com) to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

\*Data is prorated from 5000K IES files.



# Photometric Toolbox™

TYPE B  
12' - 0" MOUNTING



KIM LIGHTING  
LEx194E35-60L3K-NFO  
LANTERN LED  
DIE-CAST ALUMINUM HOOD, LENS FRAME, STRUTS,  
AND BALLAST  
COMPARTMENT. SPUNNED ALUMINUM EMITTER DECK  
WITH LEDS,  
HEATSINKS, PRISMS AND CARRIER PLATES. CLEAR

Horizontal Footcandles  
Scale: 1 Inch = 20 Ft.  
Light Loss Factor = 0.50  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 2819  
Mounting Height = 12.00 Ft  
Maximum Calculated Value = 2.95 Fc  
Arrangement: Single

REDUCED TO 50%

PHOTOMETRIC FILENAME : B - LE194E35-60L3K-NFO.IES

**DESCRIPTIVE INFORMATION (From Photometric File)**

KIM LIGHTING  
LEx194E35-60L3K-NFO  
LANTERN LED  
DIE-CAST ALUMINUM HOOD, LENS FRAME, STRUTS,  
AND BALLAST  
COMPARTMENT. SPUNNED ALUMINUM EMITTER DECK  
WITH LEDS,  
HEATSINKS, PRISMS AND CARRIER PLATES. CLEAR

**TEMPLATE SPECIFICATION**

Horizontal Footcandles  
Scale: 1 Inch = 20 Ft.  
Light Loss Factor = 0.50  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 2819  
Mounting Height = 12.00 Ft  
Maximum Calculated Value = 2.95 Fc  
Arrangement: Single

**LUMINAIRE LAYOUT INFORMATION**

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	12.00	0.00	0.00	0.00	0.00	1.00