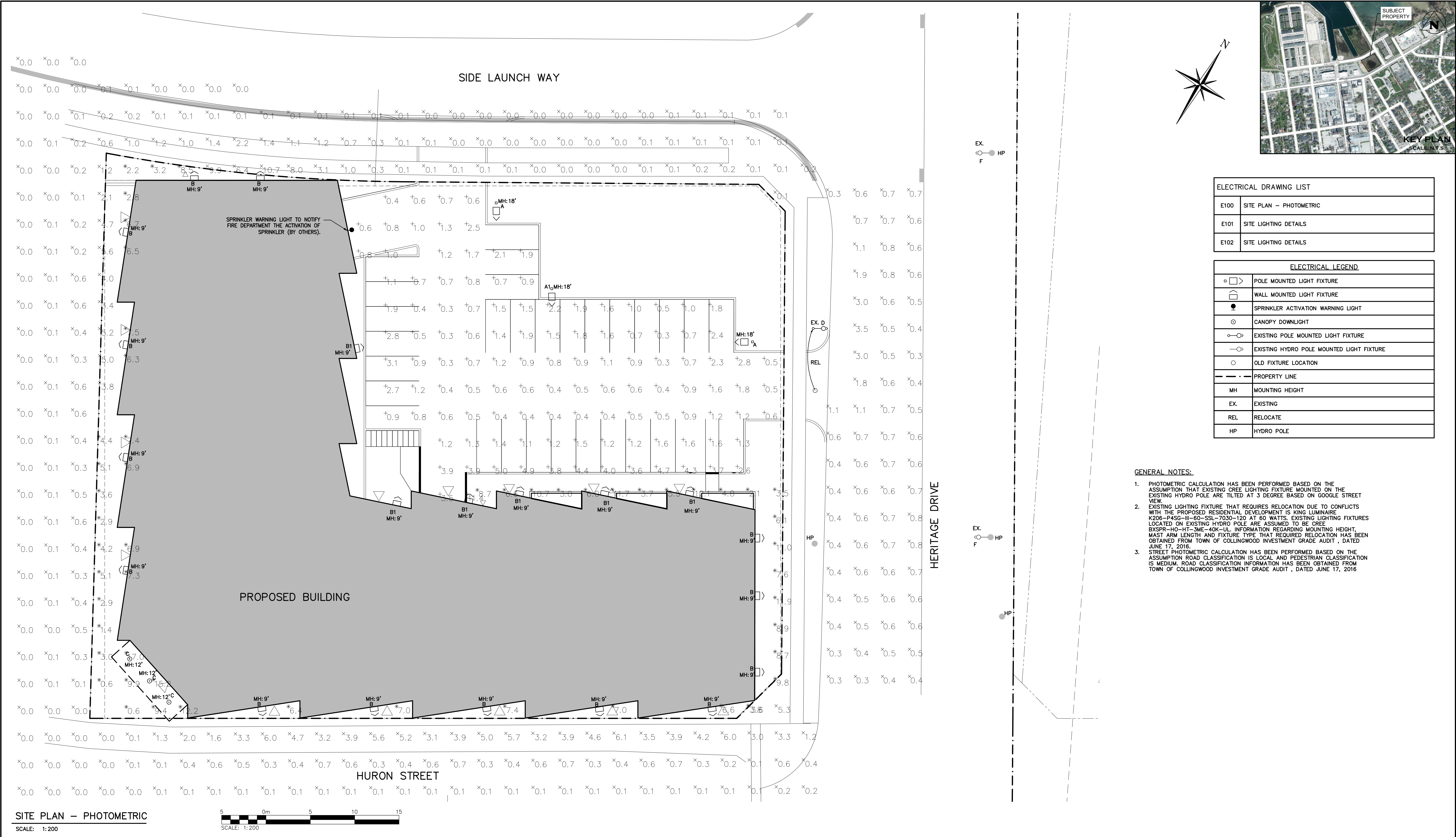




| <p>THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER &amp; ASSOCIATES INC. AND THE REPRODUCTION OF ANY PART WITHOUT PRIOR WRITTEN CONSENT OF THIS OFFICE IS STRICTLY PROHIBITED.</p> <p>2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO CONSTRUCTION.</p> <p>3. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.</p> <p>4. DO NOT SCALE THE DRAWINGS.</p> <p>5. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.</p> |                                                                                       | Town                                                                                                                                                             | <table><tr><th>No.</th><th>ISSUE</th><th>DATE: MM/DD/YYYY</th></tr><tr><td>0</td><td>ISSUED FOR 1ST SUBMISSION</td><td>07/31/2020</td></tr><tr><td>1</td><td>ISSUED FOR 2ND SUBMISSION</td><td>08/11/2021</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | No.     | ISSUE                     | DATE: MM/DD/YYYY | 0 | ISSUED FOR 1ST SUBMISSION | 07/31/2020 | 1 | ISSUED FOR 2ND SUBMISSION | 08/11/2021 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <table><tr><td>Engineer</td><td rowspan="10"></td></tr><tr><td>Engineer</td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | Engineer |  | Engineer |  |  |  |  |  |  |  |  | <table><tr><td>Project</td><td rowspan="10">31 HURON STREET MID-RISER DEVELOPMENT<br/>TOWN OF COLLINGWOOD</td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | Project | 31 HURON STREET MID-RISER DEVELOPMENT<br>TOWN OF COLLINGWOOD |  |  |  |  |  |  |  |  |  | <table><tr><td>Drawing</td><td rowspan="10">SITE PLAN – PHOTOMETRIC</td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | Drawing | SITE PLAN – PHOTOMETRIC |  |  |  |  |  |  |  |  |  | <table><tr><td colspan="2"></td><td colspan="2">THE HARBOUREDGE BUILDING,<br/>40 HURON STREET, SUITE 301,<br/>COLLINGWOOD, ON L9Y 4R3<br/>705 446-3510 T<br/>705 446-3520 F<br/>WWW.CFCROZIER.CA<br/>INFO@CFCROZIER.CA</td></tr><tr><td>Drawn By</td><td>T.S.D./I.S.</td><td>Design By</td><td>J.R.B./N.J.M.</td><td>Project</td><td>1838-5493</td></tr><tr><td>Check By</td><td>M.S.</td><td>Check By</td><td>N.J.M.</td><td>Scale</td><td>1:200</td></tr><tr><td colspan="4">Drawing</td><td>E100</td><td></td></tr></table> |  |  | THE HARBOUREDGE BUILDING,<br>40 HURON STREET, SUITE 301,<br>COLLINGWOOD, ON L9Y 4R3<br>705 446-3510 T<br>705 446-3520 F<br>WWW.CFCROZIER.CA<br>INFO@CFCROZIER.CA |  | Drawn By | T.S.D./I.S. | Design By | J.R.B./N.J.M. | Project | 1838-5493 | Check By | M.S. | Check By | N.J.M. | Scale | 1:200 | Drawing |  |  |  | E100 |  |
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| Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 31 HURON STREET MID-RISER DEVELOPMENT<br>TOWN OF COLLINGWOOD                          |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                           |                  |   |                           |            |   |                           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                        |          |                                                                                       |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                        |         |                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                  |         |                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |  |                                                                                                                                                                  |  |          |             |           |               |         |           |          |      |          |        |       |       |         |  |  |  |      |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       | THE HARBOUREDGE BUILDING,<br>40 HURON STREET, SUITE 301,<br>COLLINGWOOD, ON L9Y 4R3<br>705 446-3510 T<br>705 446-3520 F<br>WWW.CFCROZIER.CA<br>INFO@CFCROZIER.CA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                           |                  |   |                           |            |   |                           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                        |          |                                                                                       |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                        |         |                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                  |         |                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |  |                                                                                                                                                                  |  |          |             |           |               |         |           |          |      |          |        |       |       |         |  |  |  |      |  |
| Drawn By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | T.S.D./I.S.                                                                           | Design By                                                                                                                                                        | J.R.B./N.J.M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Project | 1838-5493                 |                  |   |                           |            |   |                           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                        |          |                                                                                       |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                        |         |                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                  |         |                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |  |                                                                                                                                                                  |  |          |             |           |               |         |           |          |      |          |        |       |       |         |  |  |  |      |  |
| Check By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M.S.                                                                                  | Check By                                                                                                                                                         | N.J.M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Scale   | 1:200                     |                  |   |                           |            |   |                           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                        |          |                                                                                       |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                        |         |                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                  |         |                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |  |                                                                                                                                                                  |  |          |             |           |               |         |           |          |      |          |        |       |       |         |  |  |  |      |  |
| Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                       |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E100    |                           |                  |   |                           |            |   |                           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                        |          |                                                                                       |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                        |         |                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                  |         |                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |  |                                                                                                                                                                  |  |          |             |           |               |         |           |          |      |          |        |       |       |         |  |  |  |      |  |





## K206 MARINA - LED

The K206 Marina offers a heavy wall aluminum casting with a smooth shroud and decorative cage, and includes a high performing optical system. Its suitable for a variety of contemporary settings including roadway lighting, parking lots, walkways, waterfronts and recreational areas.

## PRODUCT SPECIFICATIONS

### LED ENGINE

Light engine shall include an array of 30 solid state Cree X-Series high power LEDs (light emitting diodes). The emitters shall be mounted to a metal core circuit board using SMT technology. The LEDs and circuit boards shall then be mounted to a high performance heat sink.

### OPTICS

External light control shall consist of high precision refractive lenses mounted above the LED emitter arrays in such a way to achieve optimum uplight control. The lenses shall also control horizontal light distribution so that Type III or V IESNA distribution patterns are achieved.

### LENS

The K206 Marina pendant is available with or without a lens. Lens options include clear glass (borosilicate) sag, clear glass (borosilicate) shallow, rippled glass (borosilicate) shallow, acrylic shallow refractive, polycarbonate shallow refractive, rippled acrylic deep dish and rippled glass (borosilicate) deep dish. The lens is secured by means of a cast A319 aluminum globe ring that is sealed with a continuous circular gasket.

### LUMINAIRE CONSTRUCTION

The luminaire shall consist of a heavy cast aluminum housing that acts as the enclosure for the engine and is of adequate thickness to give structural rigidity. The engine must be affixed to the inside of the housing with stainless steel screws.

The bottom decorative portion of the K206 Marina fixture is comprised of a one-piece spun aluminum alloy with a minimum thickness of 0.09". The spinning is permanently affixed to the cast housing with the use of stainless steel hardware.

### PLUMBIZER

The K206 Marina comes with multiple mounting options including the KP.L10, KP.L11, KP.L20, KP.L21, KP.L30, KP.L31 and KP.L40. Please contact King Luminaire for

more details and specifications.

### DRIVER

The LED universal dimmable driver will be class 2 and capable of 120 - 277V or 347 - 480V input voltage, greater than 0.9 power factor, less than 20% total harmonic distortion. The case temperature of the drive can range from -40°C up to 70°C. Each LED system comes with a standard surge protection designed to withstand up to 20kV/10kA of transient line surge as per IEEE C62.41.2 C High. An in-line ferrite choke is utilized to provide protection against EFT's. The driver assembly will be mounted on a heavy duty fabricated aluminum bracket to allow complete tool-less maintenance. Dimming capable using 1-10Vdc (0% to 100%), 10V PWM, or resistance.

### MISCELLANEOUS

All exterior hardware and fasteners, wholly or partly exposed, shall be stainless steel alloy. All internal fasteners are stainless steel or zinc coated steel. All remaining internal hardware is stainless steel, aluminum alloy, or zinc coated steel.

### WARRANTY

The K206 Marina LED luminaire comes with a 7 year limited warranty.

### PHOTOMETRICS

Fixtures are tested to IESNA LM79 specifications. These reports are available upon request.

### CHROMATICITY

High output LEDs come standard at 3000K & 4000K (v.f. 3000K) with a minimum nominal 70 CRI. Additional CCT emitters are available upon request.

### LUMEN MAINTENANCE

Reported (TM21) and Calculated (L70) reports are available upon request with a minimum calculated value of 100,000 hrs.

### WIRING

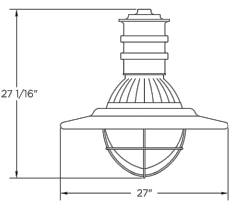
All internal wiring and connections shall be completed so that it will be necessary only to attach the incoming supply connectors to Male-N-Lok connectors or to a terminal block. Male-N-Lok shall be certified for 600V operation. Internal wire connectors shall be crimp connector only and rated at 1000V and 50°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWP-2, or SEW-2 No. 14 gauge, 150°C, 600V, and color coded for the required voltage.

### THERMALS

Fixtures tested to DOE sanctioned standards to determine



King Luminaire



### CERTIFICATION:

CSA US Listed  
Suitable for wet locations (D0 800)  
IP66  
AEMA Compliant  
LM79 / LM80 Compliant

### DRIVER INFO:

>0.9 Power Factor  
<20% Total Harmonic Distortion  
120 - 277V & 347 - 480V  
-40°C Min. Case Temperature  
70°C Max. Case Temperature  
Surge Protection: ANSI C136.2  
Dimming Capable: 1-10Vdc

### EPA:

Shallow Lens: 1.54 sq. ft.

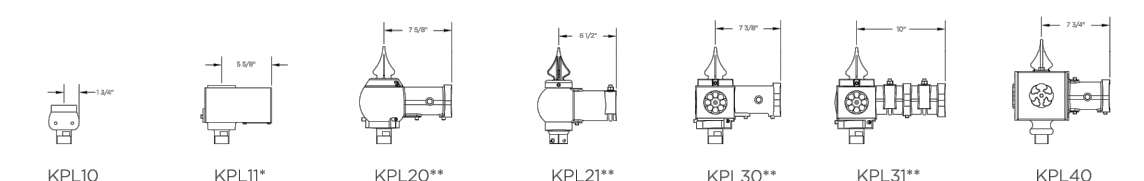
### FIXTURE WEIGHT:

Shallow Lens: 31 lbs



## PLUMBIZER/MOUNTING OPTIONS

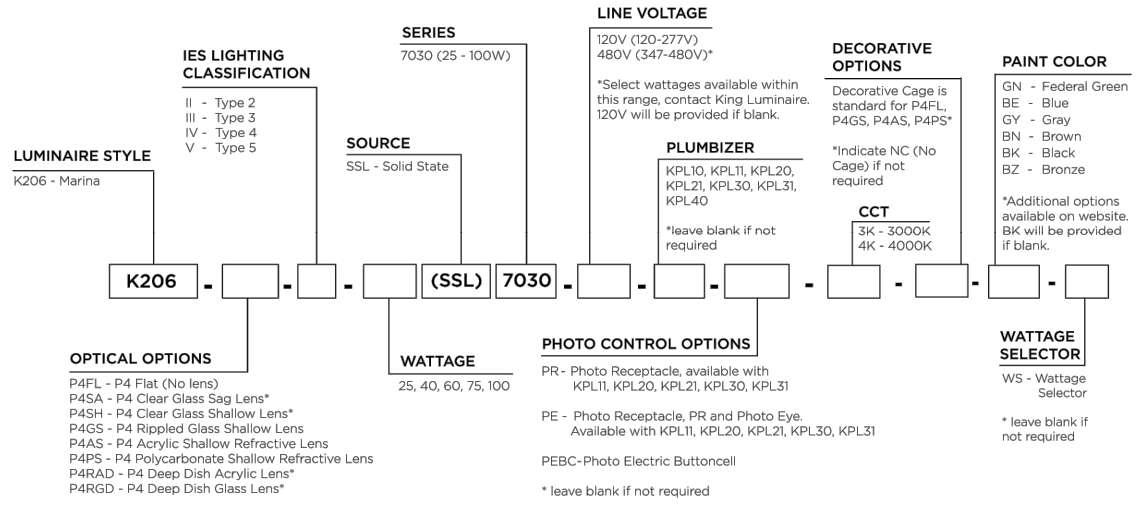
K206 MARINA - LED



\*Available with P67

\*\*Available with P67 or finish

## HOW TO ORDER



\*not available with a Decorative Cage

StressCrete GROUP

www.sccgrp.com

King Luminaire

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| 1   | ISSUED FOR 2ND SUBMISSION | 08/11/2021       |
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Engineer



Project  
31 HURON STREET MID-RISER DEVELOPMENT  
TOWN OF COLLINGWOOD

Drawing  
SITE LIGHTING DETAILS

THE HARBOUREEDGE BUILDING,  
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COLLINGWOOD, ON L9Y 4R3  
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| Drawn By | T.S.D./J.S. | Design By | J.R.B./N.J.M. | Project | 1838-5493 |
| Check By | M.S.        | Check By  | N.J.M.        | Scale   | N.T.S.    |
|          |             |           |               | Drawing | E102      |