

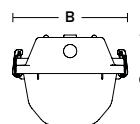
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| TYPE: | PROJECT: |
| CATALOG #: | |

FEATURES

- 4' fiberglass housing with F1 weatherability rating, standard
- Narrow housing design for applications with limited space
- IP65 and IP67 all models; IP66 all models with standard polyacetal (POM) latches
- UL Sanitation certified to NSF standards
- Lens firmly secured with captive tamper resistance ready polyacetal latches
- Removable gear tray electrical access
- Includes surface mounting brackets
- NEMA 4X housing
- Operates from -20°C to +50°C as standard



SERVICE PROGRAMS

STOCK

| Typical Dimensions and Weights | | | | |
|--------------------------------|---------------------------|--------------------------|---------------------------|--------------------|
| Size | (A) Length Inches (mm) | (B) Width Inches (mm) | (C) Height Inches (mm) | Weight Lbs (kg) |
| 4' | 51.75 (1314) | 4.5 (114) | 3.88 (98) | 7.3 (3.3) |

SPECIFICATIONS

CONSTRUCTION

- Housing is formed from UL 5VA fiberglass
- F1 weatherability rating, suitable for indoor or outdoor use with respect to exposure to UV light
- Pour-in-place non-porous gasketing assures seal
- LED affixed to removable gear tray
- 8 latches per 4' length
- Latches are provided tamper resistance ready; tamper resistant screws by others
- Latches are standard polyacetal (POM), optional in stainless steel
- Access openings are provided for electrical connection
- White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel

OPTICS

- Lineal ribbed frosted acrylic lens impact modified equivalent to 100% DR; modification adds flexibility to reduce impact breakage compared to standard acrylic formulations

INSTALLATION

- Use flexible conduit only

ELECTRICAL

- Long life 60,000 hour LEDs at L80 for reduced maintenance
- Driver options include fixed output for on/off function or continuous 0–10V dimming
- QR code label affixed to housing for easy traceability

CERTIFICATIONS

- All luminaires are built to UL 1598 standards, and bear appropriate cCSAus labels
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- Wet Location label standard
- UL Sanitation certified to NSF 2 Food Equipment standard for non- food zones
- Ingress protection IP65 and IP67 standard; IP66 on certain models

CERTIFICATIONS (CONTINUED)

- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 3 for wiring diagram.
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11) [See Buy America\(n\) Solutions](#)

WARRANTY

- 5 year warranty

STOCK GUIDE

| Catalog No. | UPC | Description | Weight (lbs) | Pallet Qty | DLC QPL |
|---|--------------|---|-----------------|---------------|----------|
| <input type="checkbox"/> LXEN4-40LW-RFA-EDU | 078531130800 | 4', 80 CRI, 4000K, 4250 Lumens, Surface Mount, Ribbed Frosted Acrylic Lens, 0-10V Dimming Driver, 120-277V, 33W, 128 LPW, White | 7.3 | 63 | PBQB8QWH |

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ORDERING GUIDE

Example: LXEN4-35LW-RFA-EDU

| | |
|-----------|--|
| CATALOG # | |
|-----------|--|

| LXEN | 4 | | | RFA | | U |
|---|------|--|--------------------|---|------------------------------------|------------|
| Model | Size | Color Temp | Delivered Lumens | Shielding | Driver | Voltage |
| LXEN Narrow Enclosed and Gasketed Fiberglass Extreme Environment | 4 4' | 30 3000K 35 3500K 40 4000K 50 5000K | XW 2100 LW 4000 | RFA Ribbed Frosted Acrylic ¹ | E Fixed Output ED 0-10V Dimming | U 120-277V |

| Options | |
|---------|---|
| GLR | Fast Blow Fuse |
| DTS | Dimming Bypass Module ² |
| SSL | Stainless Steel Tamper Resistance Ready Latches |
| TP | Tamper Proof Latches |
| F3C8W | 3 Wire 8' Wet Cord |
| F3C15W | 3 Wire 15' Wet Cord |
| SWH | Single Wet Hub ½" NPT Hub |
| DWH | Dual Wet Hub ½" NPT Hub |

Notes:

- 1 Standard impact resistant equivalent to 100% DR
- 2 For emergency circuit control loads including sensors and wireless systems listed to UL924. Only available with 0-10V driver. See page 3 for wiring diagram

DELIVERED LUMENS

| PRODUCT AVAILABILITY | | | | |
|----------------------|---------------|--------------------------------|---------------|-------------|
| Size | Lumen Package | Nominal Lumen Range (DFA Lens) | Nominal Watts | Lumens/Watt |
| 4' | XW | 2000-2200 | 15 | 138-150 |
| | LW | 3800-4200 | 30 | 130-139 |

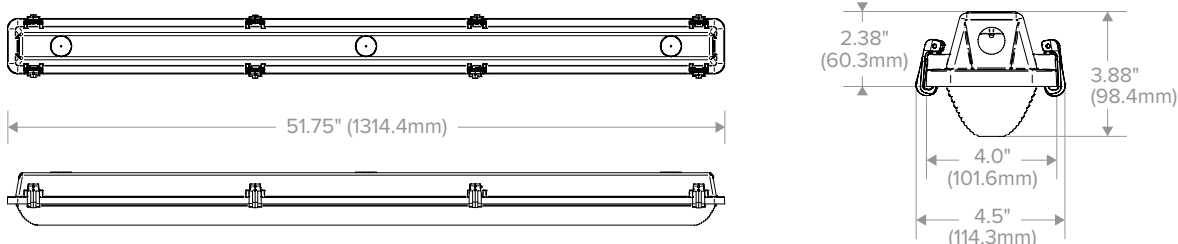
Nominal lumen range represents 3000K through 5000K. Lumens vary according to color temperatures and other factors. See specific photometric test(s).

PROJECTED LUMEN MAINTENANCE

| Calculation Method | Ambient Temp | 25,000 hrs | 50,000 hrs | 60,000 hrs * |
|--------------------|--------------|------------|------------|--------------|
| TM-21-11 | 25C/77F | 0.94 | 0.88 | 0.86 |
| TM-21-21 | 25C/77F | 0.94 | 0.88 | 0.86 |

* Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

DIMENSIONS



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

PHOTOMETRY

LXEN4-40XW-RFA-EDU

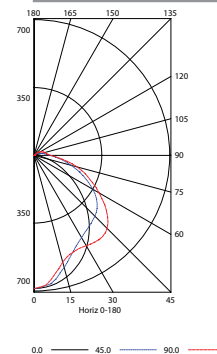
LUMINAIRE DATA

| | |
|-------------------|---|
| Test No. | 21.01394 |
| Description | LXEN LED Extreme Environment 4' Narrow Enclosed and Gasketed |
| Delivered Lumens | 2176 |
| Watts | 14.678 |
| Efficacy | 148 |
| Mounting | Surface |
| Spacing Criterion | 0° = 1.18 90° = 1.18 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30 | 480 | 22.1 |
| 0-40 | 790 | 36.3 |
| 0-60 | 1469 | 67.5 |
| 0-90 | 2042 | 93.8 |
| 0-180 | 2176 | 100.0 |

POLAR GRAPH



LXEN4-40LW-RFA-EDU

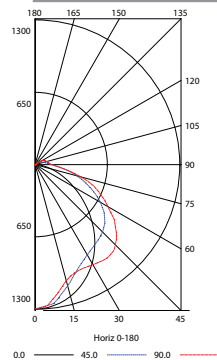
LUMINAIRE DATA

| | |
|-------------------|---|
| Test No. | 21.01396 |
| Description | LXEN LED Extreme Environment 4' Narrow Enclosed and Gasketed |
| Delivered Lumens | 4153 |
| Watts | 29.871 |
| Efficacy | 139 |
| Mounting | Surface |
| Spacing Criterion | 0° = 1.18 90° = 1.22 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30 | 910 | 21.9 |
| 0-40 | 1503 | 36.2 |
| 0-60 | 2808 | 67.6 |
| 0-90 | 3903 | 94.0 |
| 0-180 | 4153 | 100.0 |

POLAR GRAPH



ADDITIONAL INFORMATION

DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)

