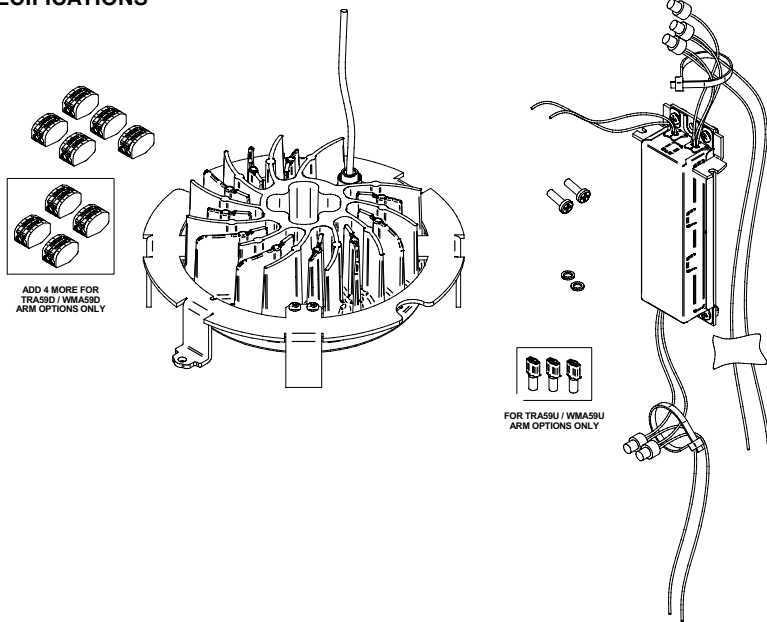


FEATURES

- Reliable uniform illumination
- Types II, III, IV and V distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimmable
- Integral 6kV surge suppression
- Thermal Protection
- Full Cutoff optical system

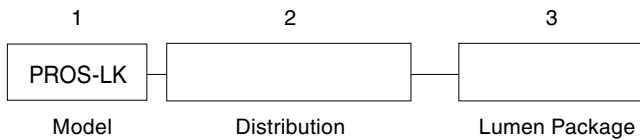


SPECIFICATIONS



- Weight: 9 lbs/kg
- IP Rating: 66

ORDERING INFORMATION



1. MODEL

PROS-LK *Providence Small LED*

2. DISTRIBUTION

Y2 *Type 2*
 Y3 *Type 3*
 Y4 *Type 4*
 Y5 *Type 5*

3. LUMEN PACKAGE

3050 *5000K CCT, 43 watts*
 3040 *4000K CCT, 43 watts*
 3030 *3000K CCT, 43 watts*
 2050 *5000K CCT, 25 watts*
 2040 *4000K CCT, 25 watts*
 2030 *3000K CCT, 25 watts*



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JOB _____
 TYPE _____
 NOTES _____

LUMINAIRE PERFORMANCE

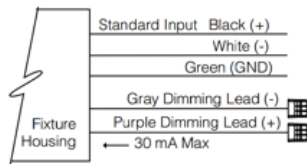
| Light Engine | Lensing | Distribution | Ordering Code | Ordering Code | | | | | | | | | | | | Average System Watts | | | |
|--------------|-----------------------|--------------|-----------------|------------------|-----------------|------------|------|----|------------------|-----------------|------------|------|----|------------------|-----------------|----------------------|------------|---|----|
| | | | | 5000K CCT | | | | | 4000K CCT | | | | | 3000K CCT | | | | | |
| | | | | Delivered Lumens | Efficacy (Lm/W) | BUG Rating | | | Delivered Lumens | Efficacy (Lm/W) | BUG Rating | | | Delivered Lumens | Efficacy (Lm/W) | | BUG Rating | | |
| | | | | 3050 | | | | | 3040 | | | | | 3030 | | | | | |
| 3000 Series | Clear Lens (Standard) | TYPE 2 | Y2 | 3238 | 75 | 1 | 0 | 1 | 3247 | 76 | 1 | 0 | 1 | 2975 | 69 | 1 | 0 | 1 | 43 |
| | | TYPE 3 | Y3 | 3261 | 75 | 1 | 0 | 1 | 3270 | 76 | 1 | 0 | 1 | 3038 | 70 | 1 | 1 | 1 | |
| | | TYPE 4 | Y4 | 3253 | 75 | 1 | 0 | 1 | 3262 | 76 | 1 | 0 | 1 | 2988 | 69 | 1 | 0 | 1 | |
| | | TYPE 5 | Y5 | 3148 | 73 | 2 | 0 | 1 | 3157 | 73 | 2 | 0 | 1 | 2892 | 67 | 2 | 0 | 1 | |
| | Lightly Diffused Lens | TYPE 2 | Y2...LDL | 2386 | 56 | 1 | 1 | 1 | 2342 | 54 | 1 | 1 | 1 | 2092 | 49 | 1 | 1 | 1 | |
| | | TYPE 3 | Y3...LDL | 2385 | 57 | 1 | 1 | 1 | 2341 | 56 | 1 | 1 | 1 | 2091 | 50 | 1 | 1 | 1 | |
| | | TYPE 4 | Y4...LDL | 2295 | 53 | 1 | 2 | 1 | 2252 | 52 | 1 | 2 | 1 | 2012 | 47 | 1 | 2 | 1 | |
| TYPE 5 | Y5...LDL | 2234 | 52 | 1 | 1 | 1 | 2193 | 51 | 1 | 1 | 1 | 1959 | 46 | 1 | 1 | 1 | | | |
| | | | | 2050 | | | | | 2040 | | | | | 2030 | | | | | |
| 2000 Series | Clear Lens (Standard) | TYPE 2 | Y2 | 1951 | 78 | 1 | 0 | 1 | 1957 | 78 | 1 | 0 | 1 | 1792 | 71 | 1 | 0 | 1 | 25 |
| | | TYPE 3 | Y3 | 1958 | 78 | 1 | 0 | 1 | 1970 | 78 | 1 | 0 | 1 | 1830 | 73 | 1 | 0 | 1 | |
| | | TYPE 4 | Y4 | 1960 | 78 | 1 | 0 | 1 | 1957 | 78 | 1 | 0 | 1 | 1793 | 71 | 1 | 0 | 1 | |
| | | TYPE 5 | Y5 | 1889 | 76 | 1 | 0 | 1 | 1894 | 76 | 1 | 0 | 1 | 1735 | 69 | 1 | 0 | 1 | |
| | Lightly Diffused Lens | TYPE 2 | Y2...LDL | 1387 | 56 | 1 | 1 | 1 | 1361 | 54 | 1 | 1 | 1 | 1216 | 49 | 1 | 1 | 1 | |
| | | TYPE 3 | Y3...LDL | 1386 | 57 | 1 | 1 | 1 | 1361 | 56 | 1 | 1 | 1 | 1216 | 50 | 1 | 1 | 1 | |
| | | TYPE 4 | Y4...LDL | 1334 | 53 | 1 | 2 | 1 | 1309 | 52 | 1 | 2 | 1 | 1170 | 47 | 1 | 2 | 1 | |
| TYPE 5 | Y5...LDL | 1299 | 52 | 1 | 1 | 1 | 1275 | 51 | 1 | 1 | 1 | 1139 | 46 | 1 | 1 | 1 | | | |

ELECTRICAL CHARACTERISTICS

| Configuration | Driver | | | | | | | | | | Inrush Current | | | | Dimming | |
|---------------|--------------|--------------|--------------|---------|---------|------|-------------------|-------------|-----------------------|----------------|----------------|-----------|-----------|---------------|---------------------|-----|
| | LED Drive mA | System Watts | Line Voltage | | Amps AC | | Min. Power Factor | Max THD (%) | Operating Temp. Range | 120V | | 277V | | Dimming Range | Source/Sink Current | |
| | | | VAC | HZ | 120 | 277 | | | | Ipeak (A) | Ipeak (A) | Ipeak (A) | Ipeak (A) | | | |
| 3050 | 3000 series | 400 | 42 | 120-277 | 50/60 | 0.35 | 0.15 | ≥.9 | 20 | -40°C To +55°C | 21 | 160 μS | 49 | 160 μS | 10% TO 100% | 1mA |
| 3040 | | | | | | | | | | | | | | | | |
| 3020 | | | | | | | | | | | | | | | | |
| 2050 | 2000 series | 255 | 25 | 120-277 | 50/60 | 0.21 | 0.09 | ≥.9 | 20 | -40°C To +55°C | 21 | 160 μS | 49 | 160 μS | 10% TO 100% | 1mA |
| 2040 | | | | | | | | | | | | | | | | |
| 2020 | | | | | | | | | | | | | | | | |

WIRING LEADS

Luminaires shall be provided with 0-10 purple and gray dimming leads.



LED COLOR

| | Ordering Code | | |
|-------------|---------------|-------|-------|
| | 3K | 4K | 5K |
| CCT Average | 3000K | 4000K | 5000K |
| CRI Minimum | 70 | 70 | 70 |
| S/P Ratio | 1.2 | 1.5 | 1.8 |

Consult factory for Amber, Turtle Friendly, Gulf Coast and Observatory applications.

TM-21 LIFETIME CALCULATION

| Optical System | Ordering Code | Ambient Environment °C | Projected Lumen Maintenance (% vs. Khrs) | | | | | Reported L70 |
|----------------|---------------|------------------------|--|-----|-----|-----------|-----|--------------|
| | | | 15 | 25 | 50 | TM-21* 60 | 100 | |
| MicroCore | 32LED | 15 | 100% | 99% | 99% | 98% | 97% | >96Khrs |
| | | 25 | 99% | 99% | 98% | 97% | 95% | |
| | | 40 | 98% | 97% | 94% | 93% | 89% | |



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SPECIFICATIONS

OPTICAL MODULE

- Light emitting diode (LED) assembly shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket and stainless steel bezel, IP66.
- LED optics shall be injection molded PMMA acrylic and be mounted to a metal printed circuit board with a uniform conformal coating over the panel surface and electrical features.

ELECTRICAL

- Upgrade kit shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.
- Drivers shall be U.L recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC.
- Existing luminaires may not have 0-10V control leads in place prior to the upgrade kit, consult factory for dimming and control solutions.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.

INSTALLATION

- Existing luminaires shall be required to be taken down for disassembly of pre-existing optical and electrical components.
- Estimated time for installation of the upgrade kit into an existing luminaire is 25 minutes.

SERVICING

- The electrical assembly shall be mounted to a prewired internal service tray and accessed by loosening four captive bolts and lifting off the top of the luminaire.

CERTIFICATION

- Upgrade kits shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.

WARRANTY / TERMS AND CONDITIONS OF SALE

Download:
<http://www.hubbellighting.com/resources/warranty/>

AAL reserves the right to change product specifications without notice.

