

# LEDPro

The LEDPro small LED wallpack replaces up to 150W pulse start metal halide wall-mounted fixtures in perimeter, security, stairwell and entrance way applications while consuming up to 75% less energy and operating for 50,000 hours (L70). The LEDPro wallpack is designed for typical mounting heights of 8 to 12 feet and typical spacing of up to 2 times the mounting height.

- Traditional design
- Up to 75% energy savings vs. traditional HID sources
- 50,000 hour operating life (L70)

- 4000K (standard) CCT
- >80 CRI
- Instant on; zero restrike

**HOUSING / LENS / OPTICS** UV stabilized impact resistant polycarbonate front cover with integrated lens and internally painted bronze finish. Thermally efficient die-cast aluminum housing in natural finish with integrated heat sink fins for cooler operation and maximum LED operating life. White molded reflector and prismatic polycarbonate lens provide a Type II distribution. Weatherproof silicone gasketing seals front face plate to housing to keep out contaminants.

**LEDS** Delivered light output of 2750 lumens at 38 watts, 4000K CCT; >80 CRI. LED operating life is 50,000 hours (L70). Light engine consists of one Chip on Board (COB) LED array mounted directly to aluminum housing. COB LED array is 3 step binned for color temperature consistency.

**ELECTRICAL** Power supply is 120-277V operation. Power factor is >0.9. Power supply is mounted in direct contact with aluminum housing for cooler operation and longer life. Drive current is 830mA. Integrated 120V button photocell

for automatic dusk to dawn operation. Photocell models are 120V only. Optional 277v photocell available. Suitable for use in operating temperatures of -22°F (-30°C) to 104°F (40°C).

**ACCESS / WIRING** Front cover attaches to back housing via 4 captive screws. Mounts to a recessed junction box or surface mount with conduit. Die-cast aluminum housing contains knockout pattern and conduit entry points on back and bottom.

**MOUNTING** The recommended wall mounting height for the LEDPro wallpack is 8ft. to 12ft. with spacing distances of up to two times the mounting height.

**LISTINGS** C-UL-US Listed wet location.

**WARRANTY** 5 year limited warranty.

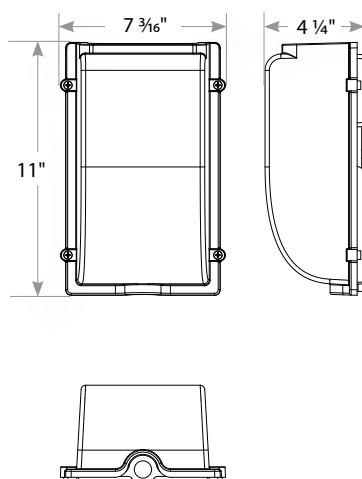


## LEDPro Small LED Wall Pack Configuration

| SERIES | INPUT POWER* | COLOR TEMP     | VOLTAGE                 | PHOTOCELL   |
|--------|--------------|----------------|-------------------------|---|
| LPSW   | 40 = 40W     | 40 = 4000K CCT | U1 = Universal 120-277V | 1B = 120V Button Photocell (standard)<br>2B = 277V Button Photocell |

\* Nominal. See performance data for actual input power.

## Dimensions



## Performance Data

| Model        | Input Power | Efficacy (lm/W) | Light Output* | Mounting Ht.** | Equivalent HID**       | Operating Temperature         |
|--------------|-------------|-----------------|---------------|----------------|------------------------|-------------------------------|
| LPSW4040U11B | 37.6W       | 73.2            | 2752lm        | 8'-12'         | 100W PSMH to 150W PSMH | -22°F (-30°C) to 104°F (40°C) |

\* Delivered lumens

\*\* Consult a lighting engineer to meet specific requirements

Photometric Data

Luminaire Data

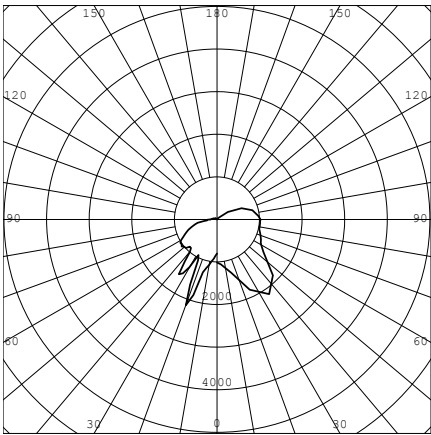
Cast aluminum housing, internal white reflector, clear patterned polycarbonate enclosure

|                   |                             |
|-------------------|-----------------------------|
| Catalog Number    | LPSW4040U11B                |
| Lab Test#         | 553247                      |
| (#) Power Supply  | (1) Constant Current, 830mA |
| # LED             | (1) COB (Chip on Board)     |
| Color Temperature | 4000K CCT                   |
| Input Watts       | 37.6                        |
| Delivered Lumens  | 2752                        |
| Operating Life    | 50,000 hrs. (L70)           |
| Fixture Efficacy  | 73.2 lm/W                   |

Utilization Table

| Coefficient of Utilization |            |             |       |
|----------------------------|------------|-------------|-------|
| Ratio                      | House Side | Street Side | Total |
| 0.5                        | 0.103      | 0.284       | 0.387 |
| 1.0                        | 0.109      | 0.485       | 0.594 |
| 1.5                        | 0.111      | 0.597       | 0.709 |
| 2.0                        | 0.113      | 0.661       | 0.774 |
| 2.5                        | 0.114      | 0.698       | 0.811 |
| 3.0                        | 0.115      | 0.720       | 0.834 |
| 3.5                        | 0.115      | 0.739       | 0.854 |
| 4.0                        | 0.115      | 0.747       | 0.863 |
| 5.0                        | 0.116      | 0.764       | 0.880 |
| Total:                     | 0.178      | 0.822       | 1.000 |

Candela Plot



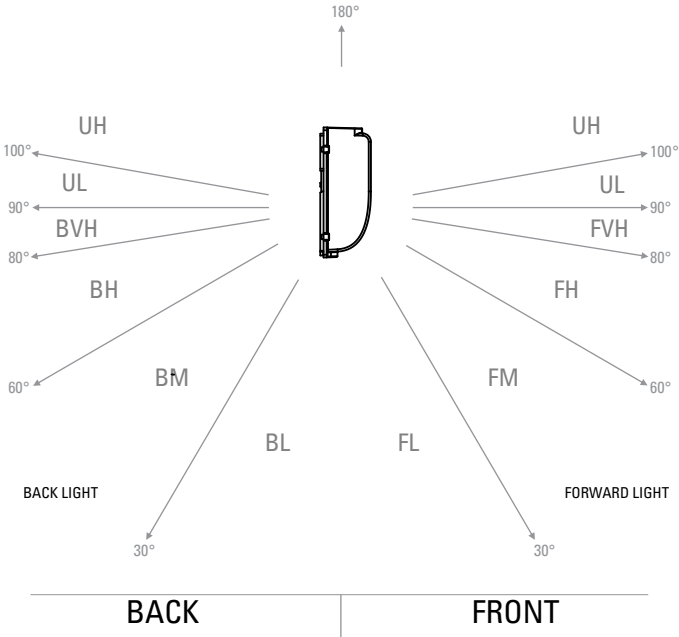
Zonal Lumen Summary (Nominal; Total Fixture Lumens 2752)

| Forward Light                             | % Total Fixture Lumens | Lumens |
|---|------------------------|--------|
| Forward Light Lumens                      | 80.7%                  | 2221.8 |
| Forward Low Zone (0 to 30 Degrees)        | 19.0%                  | 522.9  |
| Forward Mid Zone (30 to 60 Degrees)       | 37.3%                  | 1026.5 |
| Forward High Zone (60 to 80 Degrees)      | 20.0%                  | 550.4  |
| Forward Very High Zone (80 to 90 Degrees) | 4.5%                   | 123.8  |

| Back Light                                   | % Total Fixture Lumens | Lumens |
|--|------------------------|--------|
| Back Light Lumens                            | 11.7%                  | 322.8  |
| Back Light Low Zone (0 To 30 Degrees)        | 5.8%                   | 159.6  |
| Back Light Mid Zone (30 To 60 Degrees)       | 4.5%                   | 123.8  |
| Back Light High Zone (60 To 80 Degrees)      | 1.2%                   | 33.0   |
| Back Light Very High Zone (80 To 90 Degrees) | 0.3%                   | 8.3    |

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

| LEDPro Small LED Wallpack |        |                              |
|---------------------------|--------|------------------------------|
| IES BUG Rating: B1 U3 G2  | Lumens | Secondary Solid Angle Rating |
| Back Light                |        |                              |
| BH (60-80 Degrees)        | 32.0   | B 0                          |
| BM (30-60 Degrees)        | 122.9  | B 0                          |
| BL (0-30 Degrees)         | 159.6  | B 1                          |
| UpLight                   |        |                              |
| UH (100-180 Degrees)      | 139.0  | U 3                          |
| UL (90-100 Degrees)       | 68.8   | U 3                          |
| Glare Light               |        |                              |
| FVH (80-90 Degrees)       | 123.0  | G 2                          |
| BVH (80-90 Degrees)       | 8.3    | G 0                          |
| FH (60-80 Degrees)        | 549.5  | G 0                          |
| BH (60-80 Degrees)        | 32.0   | G 0                          |



Flux distribution based on IESNA Luminaire Classification System  
Illustration depicts zone classification. See tables for fixture performance.