**AXLEN LIGHTING**

Excellence in LED Lighting

**S2**

Project _____
Part No. _____
Quantity _____
Date _____

www.axleninc.com

# e-Solis™ LED Panel Light 2Ft x 2Ft - Dimmable
## Efficacy up to 140 lm/W
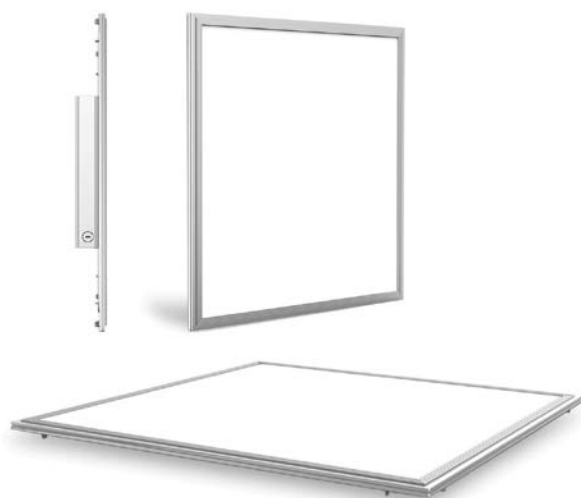
New Generation Lighting Panel

Elegant Low Profile Design

Efficient Edge Lit LED Architecture

Smooth Lighting Distribution

Directional or Diffuse Light Output

Proprietary Low-Glare Optical Films

Suspended or Embedded Applications

## Key Panel Specifications [1]

| Model[2] | Input (VAC) | Wattage | Beam Angle | Output Light | CBCP[3] (6 ft) | CRI[4] | CCT[5] |
|---|---|---|---|---|---|---|---|
| AX-PL2-32W30K | 100-277 | 32W | 110° | 4130 lm | 480 lux | 85 | 3000K (warm) |
| AX-PL2-32W40K | 100-277 | 32W | 110° | 4290 lm | 500 lux | 85 | 4000K (neutral) |
| AX-PL2-32W50K | 100-277 | 32W | 110° | 4500 lm | 520 lux | 82 | 5000K (cool) |
| AX-PL2-50W30K | 100-277 | 47W | 110° | 5900 lm | 690 lux | 84 | 3000K (warm) |
| AX-PL2-50W40K | 100-277 | 47W | 110° | 6110 lm | 710 lux | 84 | 4000K (neutral) |
| AX-PL2-50W50K | 100-277 | 47W | 110° | 6400 lm | 750 lux | 82 | 5000K (cool) |
| AX-PL2-32W30K-D | 100-277 | 32W | 50° | 3720 lm | 1280 lux | 85 | 3000K (warm) |
| AX-PL2-32W40K-D | 100-277 | 32W | 50° | 3850 lm | 1330 lux | 85 | 4000K (neutral) |
| AX-PL2-32W50K-D | 100-277 | 32W | 50° | 4050 lm | 1390 lux | 82 | 5000K (cool) |
| AX-PL2-50W30K-D | 100-277 | 47W | 50° | 5310 lm | 1830 lux | 84 | 3000K (warm) |
| AX-PL2-50W40K-D | 100-277 | 47W | 50° | 5500 lm | 1890 lux | 84 | 4000K (neutral) |
| AX-PL2-50W50K-D | 100-277 | 47W | 50° | 5760 lm | 1980 lux | 82 | 5000K (cool) |

1. Due to our continuous improvement program, all specifications are subject to change and Axlen reserves the right of final interpretation.
2. Additional 3500K and 4500K color temperature versions are also available. Directional output versions (-D), US patent pending, do not appear on the DesignLights Consortium® Qualified Products List, since there is no appropriate application category.
3. CBCP, the center beam candlepower, is the luminous intensity at the center of the beam, expressed in lux.
4. CRI is the color rendering index.
5. CCT is the correlated color temperature.

For more information, contact sales@axleninc.com

## Features

- Replacement for a 3 x 32W fluorescent tube 2'x 2' troffer- low profile recess light
- Smooth diffuse light output with minimal glare
- Suspended or embedded application, suitable for damp locations
- Integral power supply, power factor > 0.9 and drive for external smart lighting sensor
- Fully dimmable with 0-10V control input
- Optional intelligent control capability with CLEON remote accessory

- Energy saving of 50% or more
- Optional proprietary directional output (US Patent pending)
- No UV or unwanted heat
- Mercury free and RoHS compliant
- Warranty 5 years (Estimated L90 up to 60,000hrs; L70 > 200,000hrs)[6]
- Full industry compliance- UL/cUL, FCC, CE, DLC Premium, CA Title 24, Lighting Facts®, LM79, LM80 LEDs

## Accessories

e-Solis suspension kits, SK-48W and SK-48; and surface mount kits, SM-22; are available for different installations, please contact sales@axleninc.com for more details.

All e-Solis panels are plug and play compatible with the CLEON intelligent lighting control system and are available with an emergency backup option (-E version), please contact sales@axleninc.com for more details.

## Lighting Distribution

The panel photometry is taken from an accredited testing laboratory in accordance with IESNA LM-79-08. Typical results are shown for AX-PL2-32W30K (smooth diffuse output) and AX-PL2-32W40K-D (directional output) panels (see www.axleninc.com for detailed photometric data).

AX-PL2-32W40K
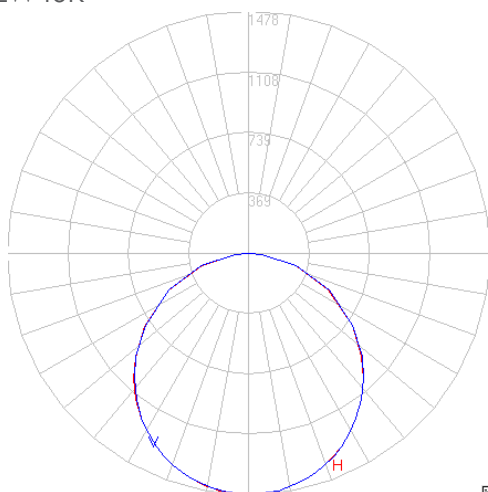
### Zonal Lumen Summary

| Zone | Lumens |
|---|---|
| 0-20 | 540.36 |
| 0-30 | 1148.15 |
| 0-40 | 1882.42 |
| 0-60 | 3340.04 |
| 0-80 | 4191.72 |
| 0-90 | 4283.49 |
| 10-90 | 4143.7 |
| 20-40 | 1342.06 |
| 20-50 | 2106.11 |
| 40-70 | 1992.06 |
| 60-80 | 851.67 |
| 70-80 | 317.24 |
| 80-90 | 91.78 |

6. For AX-PL2-32WYK models, L90 > 60,000 hrs and L70 > 200,000 hrs; for AX-PL2-50WYK models, L90 > 40,000 hrs and L70 > 150,000 hrs.
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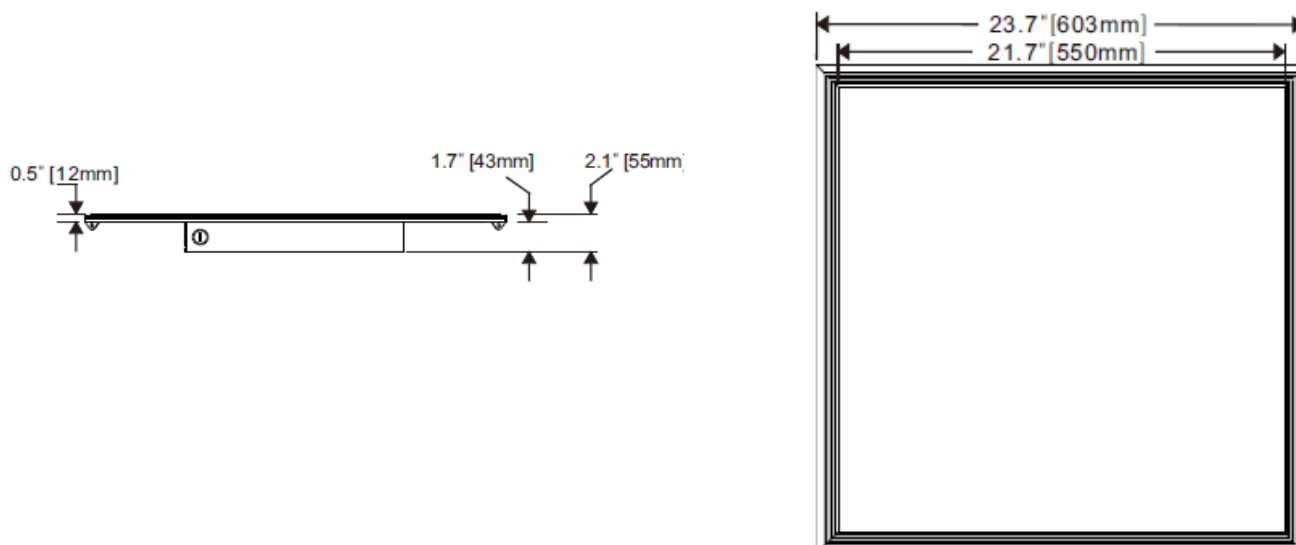
# Lighting Distribution (cont)

AX-PL2-32W40K-D
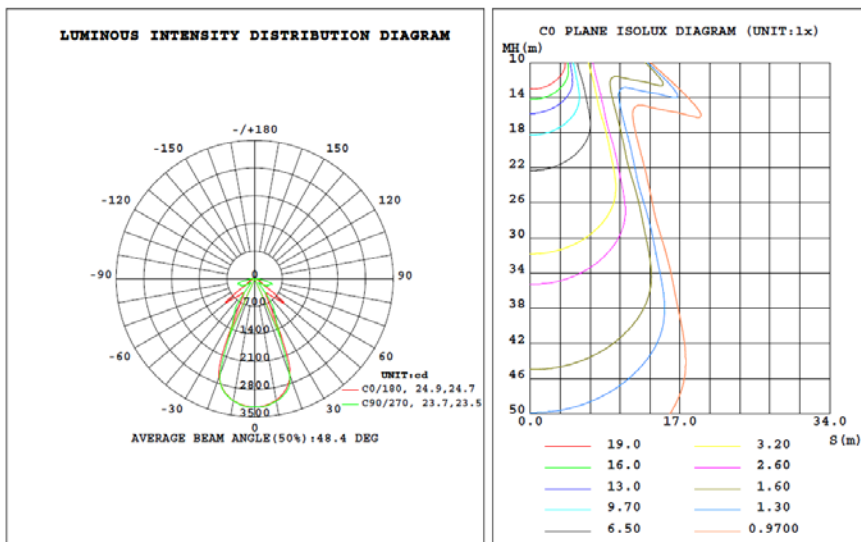


# Physical Specifications
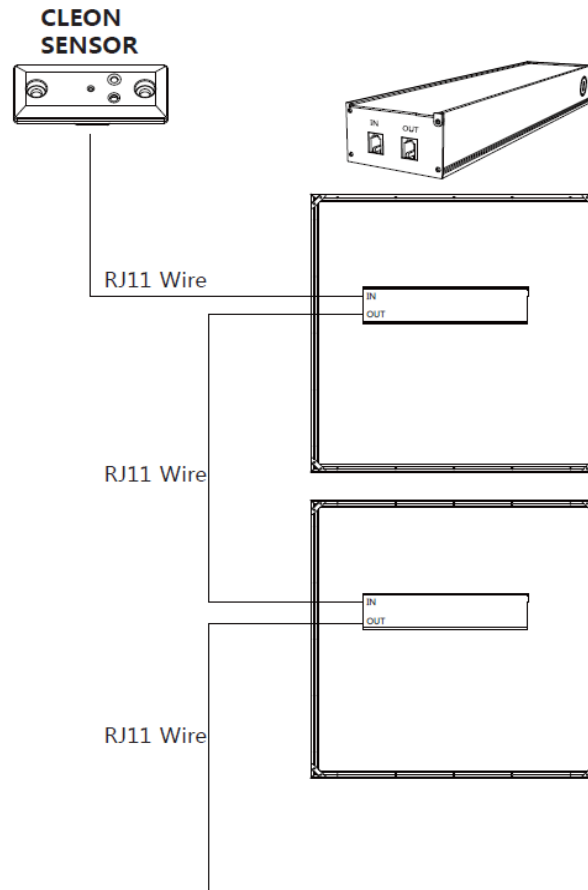## (Dimensions in inches/mm)

Panel Weight: 14.3lb/6.5kg

# Wiring Diagrams

Wiring Configuration for a Smart Lighting Sensor with Multiple Panels



Smart Lighting Sensor Connections
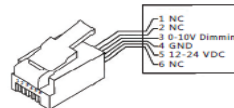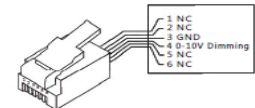


All e-Solis panels are fully dimmable with 0-10V control from most industry brand sensors (shown with a CLEON sensor).

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