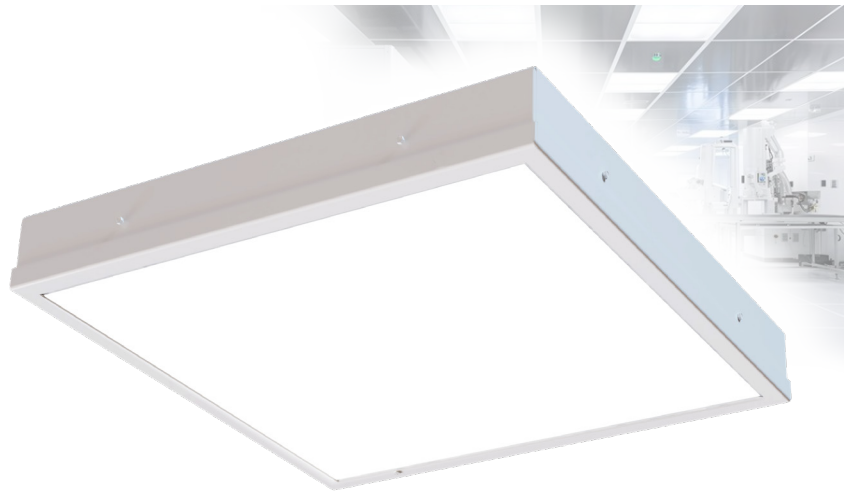


# FPT

## ISO 5-8 CLEANROOM, INSET RECESSED DOOR LUMINAIRE



The **FPT** is our newest recessed luminaire designed for use in cleanroom, medical, and any application where an ISO 5-8, low profile luminaire is required. The **FPT** features even lighting and is available in 2x2 and 2x4 sizes. Flush mounted fasteners contribute to a clean look in this ultra-quality inset door fixture. The **FPT** is the perfect light fixture for cleanroom applications.

**HOUSING/DOORFRAME:** Comes standard with in precision 20 or 22-gauge cold rolled steel. Doorframe is made from die-formed aluminum with clear anodized finish as standard, and is secured to the housing with aircraft cables. Comes standard with flush mounted phillips head fasteners.

**FINISH:** Standard finish is white TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; and a Reflectance of 92%.

**OPTICS:** Our FPT comes standard with a high-efficiency backing reflector and an outer diffuser in frosted acrylic (other lens options are available).

**INSTALLATION:** Designed for Type-IC recessed ceiling installation into 9/16" and 15/16" lay-in grid ceilings.

**ELECTRICAL:** Available in 3000K, 3500K, 4000K and 5000K color temperatures. Standard configuration is 80 CRI, but also available as 90 CRI. Voltage is standard at 120-277VAC, with 347VAC as an option. Standard 0-10V dimming with 10-100% range without dim-to-dark capabilities. Optional 0-10V dimming to 1% with dim-to-dark capabilities can be chosen in options.

**OPTIONS:** Options include a occupancy motion sensor (mounted behind light guide panel), with remote adjustment for dim level, timeout period and sensor sensitivity settings. Sensor provides 360° coverage at various mounting heights and coverage areas utilizing continuous wave radar. Other options include anti-microbial finish, an emergency battery, and a wide range of lumen outputs.

**LISTINGS:** This fixture is ETL and cETL listed, and is NSF2 Splash/Non-Food Zone rated. Suitable for ISO 5-8 cleanroom environments and is designed for use in -20°C to 40°C ambient environments. BAA and BABA compliant.

**WARRANTY:** 5-Year Limited Warranty. Complete warranty and terms located at [www.aelnow.com/warranty](http://www.aelnow.com/warranty).

Ordering Information on Next Page ►

## ORDERING INFORMATION: Example: FPT-22-40-7L-ALH-ALHINS-S-M-AM

| SERIES | SIZE                       | CCT                                                      | ILLUMINATION LEVELS                                                                                                                                                                                                                  | HOUSING                                                                                      | LENS                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|----------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FPT    | 14 1X4<br>22 2X2<br>24 2X4 | 27 2700K<br>30 3000K<br>35 3500K<br>40 4000K<br>50 5000K |  2L 2000 Lumens<br>4L 4000 Lumens<br>5L 5000 Lumens<br>7L 7000 Lumens<br>9L 9000 Lumens<br>11L 11000 Lumens<br>13L 13000 Lumens<br>XX Custom Lumens | B20 20 Gauge Cold Roll Steel<br>B22 22 Gauge Cold Roll Steel<br>ALH .063" Aluminum (Painted) | PA125 .125 Prismatic Acrylic (inverted)<br>S Satin Lens<br>PA19 .156" Prismatic Acrylic #19<br>PA125 .125 Prismatic Acrylic (inverted)<br>PA156 .156 Prismatic Acrylic (inverted)<br>PA187 .187 Prismatic Acrylic (inverted)<br>PP125 Prismatic Inner with .125 Clear Outer Poly<br>SY Symmetric Diffused DR Acrylic<br>125P .125 Clear Polycarbonate<br>250P .250 Clear Polycarbonate<br>CPOL Clear .125 Polycarbonate Outer Lens<br>CPOL250 Clear .250 Polycarbonate Outer Lens |

Other lens options available,  
consult factory.

| VOLTAGE                                       | DRIVER OPTIONS                                                                                                                                                                                                                                         | OPTIONS                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M Multi-Volt<br>(120-277VAC)<br>HV 347-480VAC | BLANK 0-10V Dimming Driver (included standard)<br>CD5 0-10V 5% to Off Dimming Driver<br>EDN Electronic Driver Non-Dimming<br>LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology<br>DALI 1% Dali Dimming Driver | 14EBL 14 Watt Emergency Ballast<br>90 90 CRI<br>AM Anti-Microbial White Paint<br>VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing)<br>AM Antimicrobial Finish<br>FZ Fuse Holder<br>OCX Integrated Motion/Occupancy Sensor (within lens)<br>FA Flange Adapter Kit<br>SP 20KV/KA Surge Protector<br>MH Myers Hub<br>BAA Buy American |

Other options and configurations are available. Consult factory for details.

Dimensions on Next Page ►

### ENERGY AND PERFORMANCE DATA

|                           |                                     |
|---------------------------|-------------------------------------|
| INPUT VOLTAGE:            | 120/277VAC                          |
| SYSTEM INPUT POWER:       | 12.5 - 81.3 WATTS*                  |
| DELIVERED LUMEN OUTPUT:   | 4000 - 13000 LUMENS                 |
| STANDARD DIMMING CONTROL: | 0-10V                               |
| CCT:                      | 2700, 3000, 3500, 4000, 5000 KELVIN |
| CRI:                      | 82 (MINIMUM)                        |
| LIFE TIME RATING:         | >100,000 HRS @ L70                  |
| INPUT FREQUENCY:          | 50/60 HZ                            |
| POWER FACTOR:             | >0.9                                |
| OPERATING TEMP:           | -30° TO 50° C                       |

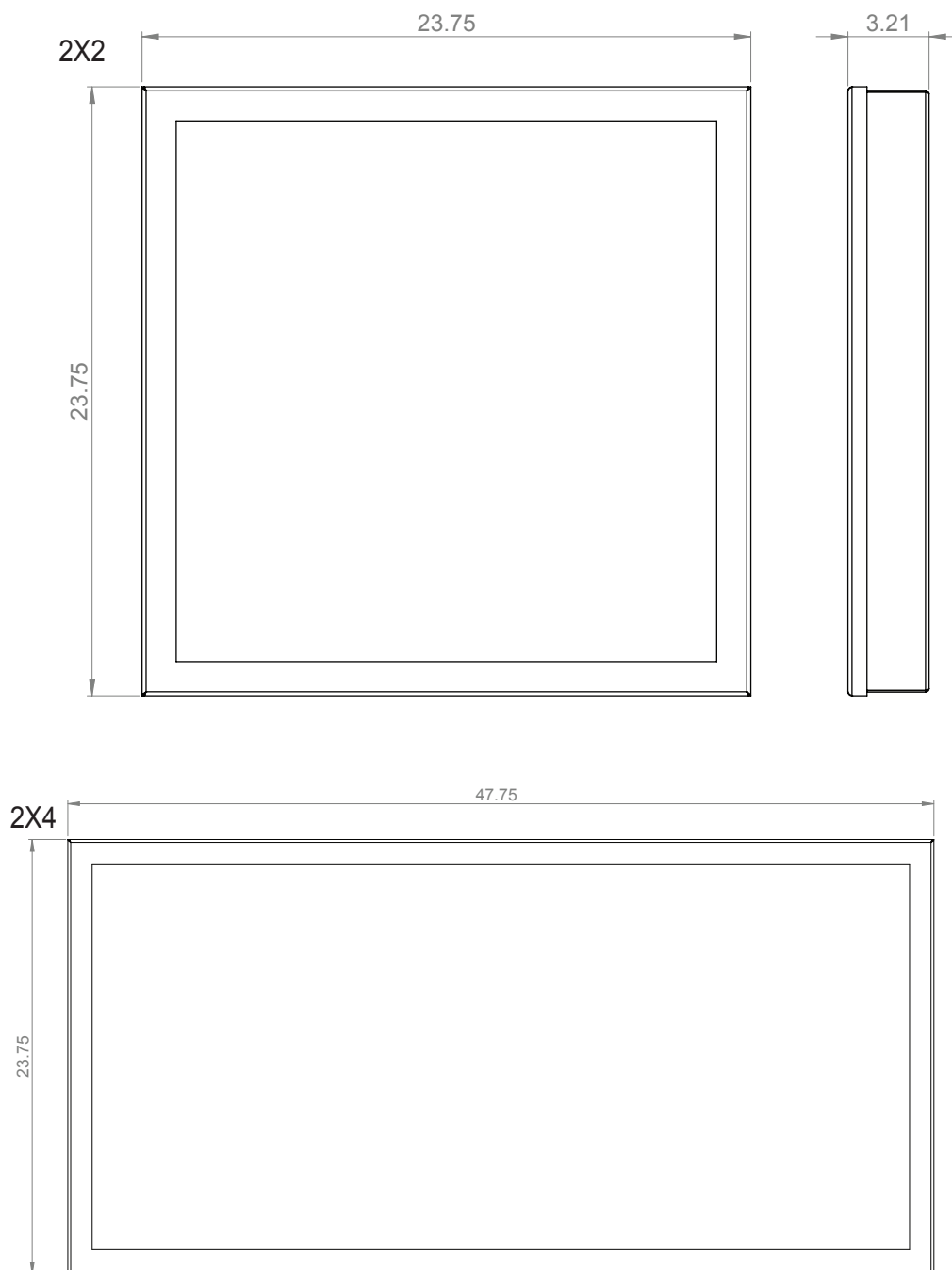
#### APPROXIMATE COLOR TEMPERATURE MULTIPLIER

|       |   |      |
|-------|---|------|
| 5000K | X | 1.03 |
| 4000K | X | 1    |
| 3500K | X | .97  |
| 3000K | X | .94  |
| 2700K | X | .91  |

| PART# | DELIVERED LUMENS | WATTS | L70 @20C (HRS) |
|-------|------------------|-------|----------------|
| 2L    | 2000             | 12.5  | >100K          |
| 4L    | 4000             | 25.0  | >100K          |
| 8L    | 8000             | 50.0  | >100K          |
| 11L   | 11000            | 68.8  | >100K          |
| 12L   | 12000            | 75.0  | >100K          |
| 13L   | 13000            | 81.3  | >100K          |

\*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

## FIXTURE DIMENSIONS



*Exact dimensions are subject to change based on configuration*

