

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 3-7/16" deep housing installs easily within limited plenum space
- Gasketed door frame features offset mitered corners to eliminate light leaks
- Cam latches close securely and allow hassle-free maintenance
- Reversible door hinges and latches allow access on either side
- Deep reinforcement ribs provide added strength
- Integral T-bar clips quickly secure fixture to structure
- Maximize energy savings with efficacies as high as 129 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

ORDERING EXAMPLE: LPT - 2 4 - L81/8TW - S AF12095 - OPTIONS - CONTROL/DALI - UNV

ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS ^[1] | CRI | CCT | DOOR FRAME |
|--------|-------|---------------------|-----------------------|-------------|---------------------------------|--------------------|
| LPT | 2 2' | 2 2' ^[2] | 2x2 | 8 80 | TW Tunable white (3000K-5000K) | S White flat steel |
| | | 4 4' | L45 4,500lm | 9 90 | TW2 Tunable white (2700K-6500K) | |
| | | | 2x4 | L45 4,500lm | | |
| | | | L81 8,100lm | | | |

SHIELDING

- AF12095** Frosted acrylic, pattern #12, .095" thick
- A12125** Clear acrylic, pattern #12, .125" thick ^[4]
- AF12125** Frosted acrylic, pattern #12, .125" thick
- A19156** Clear acrylic, pattern #19, .156" thick ^[5]
- AF19156** Frosted acrylic, pattern #19, .156" thick

OPTIONS ^[3]

- See page 3 for **EMERGENCY BATTERY OPTIONS**.
- EQCLIPS** Earthquake clips ^[6]
- (L__)** Additional lower lumen packages available. ^[7]
Example: 7,500 nominal lumens = LPT-24-L81/8TW-SAF12095-(75).
- CP** Chicago Plenum (CCEA)

SPECIFICATIONS

- **HOUSING** – 22-gauge die-formed C.R.S.
- **DOOR FRAME** – 22-gauge C.R.S., offset mitered corners, cam latches, and T-style hinges.
- **SHIELDING** – Frosted acrylic, pattern #12, .095" thick.
- **FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- **ELECTRICAL** – High-quality mid-power LED board. L70 > 50,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- **MOUNTING** – NEMA Type "G" 15/16" or 1" grid standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Drywall flange kit available, shipped separately, see page 3 for DRYWALL KIT (DFK) OPTIONS.
- **LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

CONTROL ^[8]

- See page 4 for **ADDITIONAL CONTROL OPTIONS**.
- None
- AWN R** Lutron Athena wireless node integral fixture control, RF only ^[9]
- AWN S** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[10]

DRIVER

- See page 4 for **DRIVER DETAILS**.
- DALI** Driver prewired for DALI applications
- DIM** Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
- DMX** Driver prewired for DMX applications
- DSR** Sensor-ready driver without external dimming wires (D4i DALI-2). ^[11]
- LD2** Lutron DALI-2 digital driver, 1%

VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V

NOTES

- ¹ Lumen output based on AF12095 Shielding, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see Options.
- ² 2' width only.
- ³ See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁴ LED pixelation will be visible.
- ⁵ LED pixelation will be visible.
- ⁶ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- ⁷ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁸ See page 3 for SENSOR & NODE PLACEMENT DETAILS.
- ⁹ DSR and LD2 Drivers only.
- ¹⁰ DSR and LD2 Drivers only.
- ¹¹ Lutron Athena Controls only.



FIXTURE PERFORMANCE DATA

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 2x2 | L45 | 4588 | 40.8 | 112 |
| | L45 | 4504 | 34.8 | 129 |
| 2x4 | L81 | 8178 | 63.1 | 130 |

- Photometrics tested in accordance with IESNA LM-79. Results based on AF12095 shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

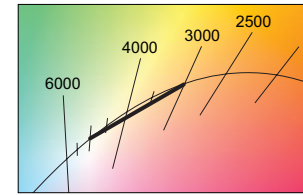
MULTIPLIER TABLES

| | COLOR TEMPERATURE | | | | |
|--------|-------------------|--------|---------|--------|---------|
| | CCT | TW | | TW2 | |
| | | LUMENS | WATTAGE | LUMENS | WATTAGE |
| 80 CRI | 2700K | - | - | 0.93 | 1.02 |
| | 3000K | 0.95 | 1.04 | 0.95 | 1.01 |
| | 3500K | 0.98 | 1.02 | 0.98 | 1.00 |
| | 4000K | 1.00 | 1.00 | 1.00 | 1.00 |
| | 5000K | 0.96 | 1.04 | 1.02 | 1.00 |
| 6500K | - | - | 1.01 | 1.04 | |

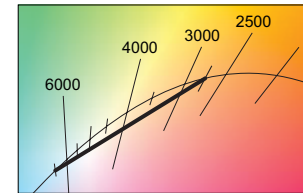
| | | | | | |
|--------|-------|------|------|------|------|
| 90 CRI | 2700K | - | - | 0.81 | 1.02 |
| | 3000K | 0.83 | 1.04 | 0.83 | 1.01 |
| | 3500K | 0.86 | 1.02 | 0.86 | 1.00 |
| | 4000K | 0.88 | 1.00 | 0.88 | 1.00 |
| | 5000K | 0.84 | 1.04 | 0.89 | 1.00 |
| 6500K | - | - | 0.88 | 1.04 | |

| LENS | CONVERSION FACTOR |
|---------|-------------------|
| AF12095 | 1.00 |
| AF12125 | 1.00 |
| A12125 | 0.99 |
| AF19156 | 0.98 |
| A19156 | 0.94 |

TW

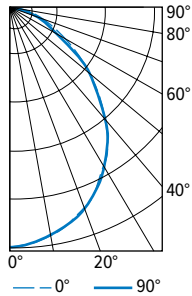


TW2



PHOTOMETRY

LPT-24-L81/8TW-SAF12095-DALI Total Luminaire Output: 8178 lumens; 63.1 Watts | Efficacy: 130 lm/W | 80 CRI; 4000K CCT



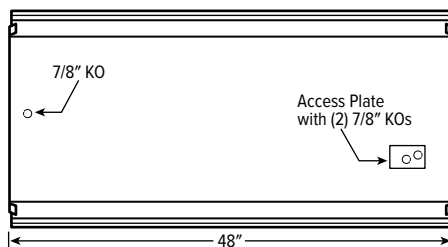
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 3694 | 3694 | 3694 | |
| | 5 | 3696 | 3694 | 3694 | 350 |
| | 15 | 3503 | 3503 | 3507 | 989 |
| | 25 | 3128 | 3128 | 3144 | 1443 |
| | 35 | 2637 | 2635 | 2643 | 1632 |
| | 45 | 1976 | 1952 | 1928 | 1487 |
| | 55 | 1237 | 1170 | 1118 | 1065 |
| | 65 | 713 | 649 | 653 | 670 |
| | 75 | 361 | 340 | 385 | 389 |
| | 85 | 137 | 143 | 169 | 153 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2782 | 34 |
| | 0 - 40 | 4414 | 54 |
| | 0 - 60 | 6966 | 85 |
| | 0 - 90 | 8178 | 100 |
| | 0 - 180 | 8178 | 100 |

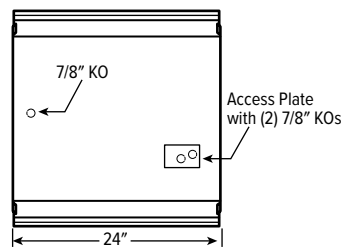
FIXTURE DETAILS

BACKVIEW

2x4



2x2



EMERGENCY BATTERY OPTIONS

Specify CEC in the option code when California Energy Commission regulations are required.

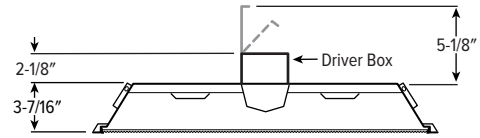
| CATALOG NUMBER | DESCRIPTION |
|----------------|---|
| EM/10W | 10-watt emergency battery ¹ |
| EM/10W/BMTD | Back-mounted 10-watt emergency battery ² |
| EM/12W/BMTD | Back-mounted 12-watt emergency battery ³ |
| EM/14W | 14-watt emergency battery ¹ |
| EM/14W/BMTD | Back-mounted 14-watt emergency battery ² |

¹ 2x4 only.

² 2x2 only.

³ Not available when CEC regulations are required.

BMTD DETAILS



Additional plenum depth is required for installation and servicing. Not available with NEMA Type "F" applications. Access required through adjacent tile in grid system.

DRYWALL KIT (DFK) OPTIONS

ORDERING INFO

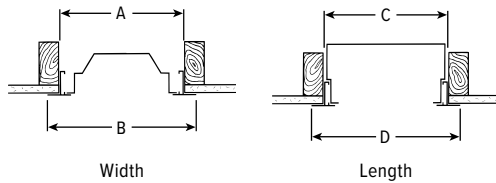
| EXAMPLE: DFK - 24 48 W | | | |
|------------------------|-------|--------|--------------------------|
| SERIES | WIDTH | LENGTH | FINISH |
| DFK Drywall kit | 24 2' | 24 2' | W White |
| | 24 2' | 48 4' | AMW Anti-microbial white |

INSTALLATION DIMENSIONS

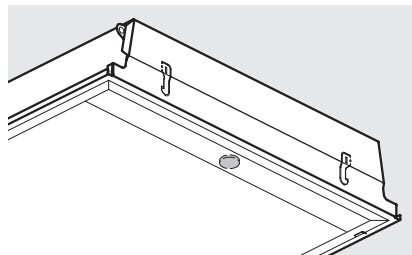
| NOMINAL SIZE | ROUGH-IN | | FINISH TRIM SIZE | |
|--------------|-----------|------------|------------------|------------|
| | WIDTH (A) | LENGTH (C) | WIDTH (B) | LENGTH (D) |
| 2' x 2' | 24-3/8" | 24-3/8" | 25-5/16" | 25-5/16" |
| 2' x 4' | 24-3/8" | 48-3/8" | 25-5/16" | 49-5/16" |

TYPICAL INSTALLATION

Refer to table for dimensions.




SENSOR & NODE PLACEMENT DETAILS



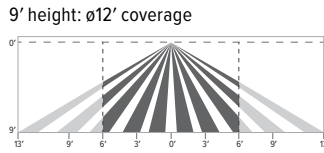
SEE NEXT PAGE FOR CONTROL DETAILS.

ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

| SPECIFICATIONS | |
|---|--|
| TYPE | Radio Frequency |
| MOUNTING HEIGHT | 8' – 12' |
| DETECTION ANGLE | 360° |
| TEMPERATURE RANGE | 0° to 55°C |
| RELATIVE HUMIDITY | 0 to 90%, non-condensing |
| COMMISSIONING | Clear Connect gateway – Type X with app (iOS or Android) |
| MANUFACTURER | Lutron |
|  | |

SENSOR COVERAGE PATTERNS



Motion Sensor Coverage

| CEILING HEIGHT | COVERAGE AREA (SQ FT) |
|----------------|-----------------------|
| 8' | 114 |
| 9' | 144 |
| 10' | 178 |
| 12' | 256 |

SENSOR DETAIL



Dimensions: ø1-1/8"

ATHENA CONTROL OPTIONS

| CATALOG NUMBER | DESCRIPTION |
|----------------|--|
| AWNR | Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%. |
| AWNS | Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%. |
| AWNR-BL | Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish. |
| AWNS-BL | Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish. |

DRIVER DETAILS

