

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- 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 134 lm/W
- Made Right Here™ in the USA

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 boards. L85 at 50,000 hours. 25°C maximum ambient operating temperature.
- MOUNTING – NEMA Type "G" standard. For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.^[18]
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at www.designlights.org/QPL.
 - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: LPT - 2 4 - L90/835 - S AF12095 - OPTIONS - DIM - UNV

ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS ^[1] | CRI | CCT | DOOR FRAME | SHIELDING | |
|--------|-------|---------------------|-----------------------|---------------------|----------|--------------------|--|--|
| LPT | 2 2" | 2 2' ^[2] | 2x2 | 8 80 | 27 2700K | S White flat steel | AF12095 | Frosted acrylic, pattern #12, .095" thick |
| | | 4 4' | L27 2,700lm | 9 90 ^[3] | 30 3000K | | A12125 | Clear acrylic, pattern #12, .125" thick ^[4] |
| | | L45 4,500lm | | 35 3500K | AF12125 | | Frosted acrylic, pattern #12, .125" thick | |
| | | L54 5,400lm | | 40 4000K | A19156 | | Clear acrylic, pattern #19, .156" thick ^[5] | |
| | | 2x4 | | 50 5000K | AF19156 | | Frosted acrylic, pattern #19, .156" thick | |
| | | L43 4,300lm | | | | | | |
| | | L75 7,500lm | | | | | | |
| | | L90 9,000lm | | | | | | |

OPTIONS^[6]

| | |
|-------------|--|
| EM/7W/BMTD | Back-mounted 7-watt emergency battery ^[8] |
| EM/10W | 10-watt emergency battery ^[9] |
| EM/10W/BMTD | Back-mounted 10-watt emergency battery ^[10] |
| EM/12W | 12-watt emergency battery ^[11] |
| EM/12W/BMTD | Back-mounted 12-watt emergency battery ^[12] |
| EQCLIPS | Earthquake clips ^[13] |
| (L__) | Additional lower lumen packages available. ^[14] Example: 8,000 nominal lumens = LPT-24-L90/835-SAF12095-(L80). |
| F338 | 6', 3/8" flex, 3-conductor, No. 18 AWG ^[15] |
| F348 | 6', 3/8" flex, 4-conductor, No. 18 AWG ^[16] |
| CP | Chicago Plenum (CCEA) |

DRIVER^[7]

| | | |
|------|---|--------------|
| DRV | Non-dimming driver | 120 120V |
| DIM | Dimming driver | 277 277V |
| SD40 | 40% step-dimming driver ^[17] | UNV 120-277V |

VOLTAGE

NOTES

- ¹ Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options
- ² 2' width only
- ³ Extended lead times may apply. Consult factory for availability.
- ⁴ LED pixelation will be visible
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- ⁶ See page 3 for FINISH OPTIONS. See page 3 for FLEXIBLE WHIP OPTIONS.
- ⁷ See page 2 for ADDITIONAL DRIVER OPTIONS.
- ⁸ Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- ⁹ 2x4 only
- ¹⁰ 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- ¹¹ 2x4 only.
- ¹² 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- ¹³ 4 per fixture
- ¹⁴ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ¹⁵ DRV only
- ¹⁶ DRV only
- ¹⁷ Must specify 120V or 277V
- ¹⁸ IC rating does not apply when L54 and L90 lumen stops are specified with EM options.



FIXTURE PERFORMANCE DATA

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 2x2 | L27 | 2662 | 21.4 | 124.4 |
| | L45 | 4425 | 33.7 | 131.3 |
| | L54 | 5376 | 42.4 | 126.8 |
| 2x4 | L43 | 4306 | 31.4 | 137.1 |
| | L75 | 7556 | 61.0 | 123.9 |
| | L90 | 9031 | 67.4 | 134.0 |

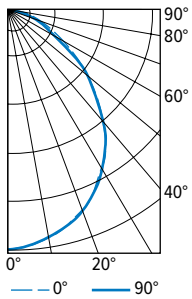
MULTIPLIER TABLE

| | COLOR TEMPERATURE | |
|--------|-------------------|-------------------|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.97 |
| | 3000K | 0.99 |
| | 3500K | 1.00 |
| | 4000K | 1.03 |
| | 5000K | 1.06 |
| 90 CRI | 2700K | 0.82 |
| | 3000K | 0.83 |
| | 3500K | 0.84 |
| | 4000K | 0.86 |
| | 5000K | 0.90 |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

LPT-24-L90/835-SAF12095-DIM Total Luminaire Output: 9031 lumens; 68 Watts | Efficacy: 133lm/W | 82 CRI; 3457K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 4131 | 4131 | 4131 | |
| | 5 | 4070 | 4066 | 4066 | 386 |
| | 15 | 3852 | 3852 | 3856 | 1089 |
| | 25 | 3477 | 3477 | 3490 | 1597 |
| | 35 | 2892 | 2892 | 2900 | 1798 |
| | 45 | 2146 | 2115 | 2082 | 1629 |
| | 55 | 1378 | 1304 | 1250 | 1186 |
| | 65 | 788 | 716 | 718 | 744 |
| | 75 | 398 | 378 | 428 | 433 |
| | 85 | 152 | 154 | 186 | 168 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 3072 | 34 |
| | 0 - 40 | 4870 | 54 |
| | 0 - 60 | 7685 | 85 |
| | 0 - 90 | 9031 | 100 |
| | 0 - 180 | 9031 | 100 |

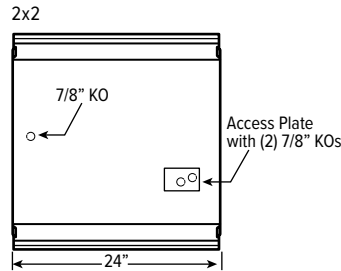
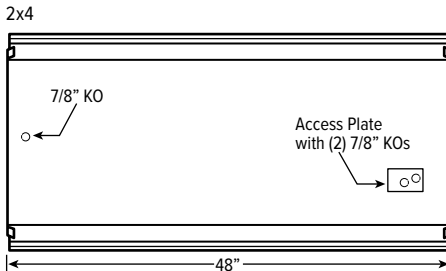
ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

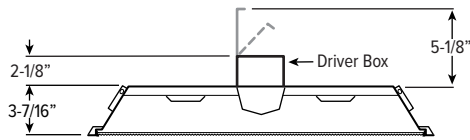
| CATALOG NUMBER | DESCRIPTION |
|-----------------|---|
| DRV | Driver prewired for non-dimming applications |
| DIM | Dimming driver prewired for 0-10V low voltage applications |
| DIM1 | 1% dimming driver prewired for 0-10V low voltage applications |
| DIM LINE | Line voltage dimming driver (Must specify 120V or 277V only) |
| SD40 | 40% step-dimming driver |
| SD50 | 50% step-dimming driver |
| DALI | DALI dimming driver |
| LTE LINE | Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only) |
| LDE1 | Lutron Hi-lume 1% EcoSystem dimming LED driver |
| LDE5 | Lutron 5-Series 5% EcoSystem dimming LED driver |
| ELDO SOLOB | EldoLED Solodrive, 0.1% dimming driver for 0-10V controls |
| ELDO SOLOB DALI | EldoLED Solodrive, 0.1% dimming driver for DALI controls |
| ELDO ECO1 | EldoLED Ecodrive, 1% dimming driver for 0-10V controls |
| ELDO ECO1 DALI | EldoLED Ecodrive, 1% dimming driver for DALI controls |

FIXTURE DETAILS

BACKVIEW

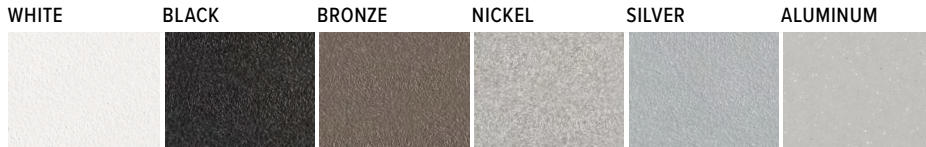


EMERGENCY BATTERY DETAILS



2x2 configurations will require EM driver to be back mounted. Additional plenum depth is required for installation and servicing. Not available with NEMA Type "F" applications. Access required through adjacent tile in grid system.

FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

FLEXIBLE WHIP OPTIONS

All Williams recessed troffers are available with a flexible metallic wiring harness, factory-attached and hard-wired to the luminaire. See ordering information table.

Straight connectors are a snap-in type. Consult factory for wiring harness utilizing connectors secured by lock nuts, optional flex size, lengths, and other wire sizes or circuitry. Three-wire flex utilizes black, white, and green wire. Four-wire flex utilizes black, white, red, and green wire. On 3- or 4-lamp fixtures wired for multi-circuit inboard/outboard switching, outside lamps are wired to red circuit and inside lamp(s) are wired to black circuit. Adding an emergency option requires an additional wire.

Williams fixtures are UL listed to provide factory-installation of several manufacturers' modular wiring devices. Consult factory for availability and ordering information.

| DESIGNATION | DESCRIPTION | DRIVER |
|-------------|--|---------------|
| F338 | 6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors | DRV, LTE LINE |
| F348 | 6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors | SD40 |
| F334 | 6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors | DRV, LTE LINE |
| F344 | 6' of 3/8" flex, (4) No. 14 AWG wires with (2) straight connectors | SD40 |
| F358 | 6' of 3/8" flex, (5) #18 AWG wires with (2) straight connectors | DIM, DALI |

