

CATALOG #: _____

Type: _____

PROJECT: _____



FEATURES

- Unique curved housing with central linear element delivers sophisticated illumination across diverse applications
- Indirect design provides soft, even light distribution for visual comfort
- Anodized aluminum rail creates architectural focal point
- Low UGR meets LEED and WELL requirements
- 1x4, 2x2, and 2x4 sizes suit multiple design scenarios
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Simple lift-and-shift driver box provides easier access than traditional enclosures
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – Precision die-formed 22-gauge C.R.S. with anodized aluminum center bar
- FINISH** – 95% 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. L70 >60,000 hours per IES TM-21. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple 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 kit accessories available, shipped separately, see options.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY** – 5-year limited fixture warranty, see hew.com/warranty

ORDERING EXAMPLE: BAR - 22 - L50/835 - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS ⁽¹⁾ | CRI | CCT |
|--------|---------------------|--------|----------------------------|------|---------------------------------|
| BAR | 1 1' ⁽²⁾ | 2 2' | 1x4 | 8 80 | 27 2700K |
| | | | L30 3,000lm | 9 90 | 30 3000K |
| | 2 2' | 4 4' | L60 6,000lm | | 35 3500K |
| | | | 2x2 | | 40 4000K |
| | | | L20 2,000lm | | 50 5000K |
| | | | L30 3,000lm | | TW Tunable white (3000K–5000K) |
| | | | L50 5,000lm | | TW2 Tunable white (2700K-6500K) |
| | 2x4 | | L40 4,000lm | | |
| | | | L60 6,000lm | | |
| | | | L75 7,500lm ⁽³⁾ | | |

OPTIONS

See page 2 for FLEXIBLE WHIP OPTIONS.

See page 2 for DRYWALL KIT (DFK) OPTIONS.

| | |
|-----------|---------------------------------|
| EM/10W | 10-watt emergency battery |
| EQCLIPS | Earthquake clips ⁽⁴⁾ |
| DFK-1248W | Drywall kit, 12" x 48", white |
| DFK-2424W | Drywall kit, 24" x 24", white |
| DFK-2448W | Drywall kit, 24" x 48", white |
| CP | Chicago Plenum (CCEA) |

CONTROL

Click [HERE](#) for control and sensor options.

– None

DRIVER

Static White

See page 3 for ADDITIONAL STATIC WHITE DRIVER OPTIONS.

| | |
|------|---|
| DIM | Driver with external 0-10V dimming wires |
| DIM1 | 1% Driver with external 0-10V dimming wires |
| DRV | Driver without external dimming wires |

Tunable White

| | |
|------|---|
| 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 |
| LD2 | Lutron DALI-2 digital driver, 1% |

VOLTAGE

| | |
|-----|---------------------|
| 120 | 120V |
| 277 | 277V |
| UNV | 120-277V |
| 347 | 347V ⁽⁵⁾ |

NOTES

- ¹ Lumens based on 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² 4' length only.
- ³ Not available with IC-rating when specified with EM battery.
- ⁴ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- ⁵ Not available with Tunable White or EM batteries.



FIXTURE PERFORMANCE DATA

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) | UNIFIED GLARE RATING (UGR) ⁽¹⁾ | |
|-----|-------------|------------------|---------|-----------------|---|---------|
| | | | | | CROSSWISE | ENDWISE |
| 1x4 | L30 | 2950 | 23.8 | 124 | 20.8 | 17.8 |
| | L60 | 6002 | 51.9 | 116 | 23.2 | 20.2 |
| | L20 | 2027 | 15.5 | 131 | 18.9 | 18.1 |
| 2x2 | L30 | 2981 | 23.2 | 129 | 20.2 | 19.4 |
| | L50 | 4912 | 38.6 | 127 | 21.9 | 21.1 |
| | L40 | 4058 | 31.2 | 130 | 19.3 | 17.8 |
| 2x4 | L60 | 5865 | 45.6 | 129 | 20.5 | 19.0 |
| | L75 | 7585 | 61.2 | 124 | 21.4 | 19.9 |

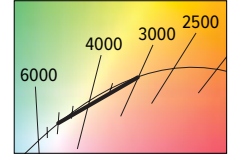
¹ UGR reference values based on 4H x 8H room size with 70%, 50%, and 20% reflectance. Actual values vary based on luminaire options and application specifications.

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K for single CCT and 4000K for tunable white, 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.

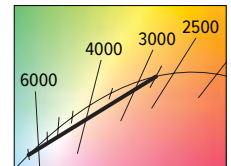
MULTIPLIER TABLE

| COLOR TEMPERATURE | | | | |
|-------------------|-------|----------|------|------|
| | CCT | STANDARD | TW | TW2 |
| 80 CRI | 2700K | 0.97 | — | 0.93 |
| | 3000K | 0.99 | 0.95 | 0.95 |
| | 3500K | 1.00 | 0.98 | 0.98 |
| | 4000K | 1.03 | 1.00 | 1.00 |
| | 5000K | 1.06 | 0.96 | 1.02 |
| | 6500K | — | — | 1.01 |
| 90 CRI | 2700K | 0.80 | — | 0.93 |
| | 3000K | 0.82 | 0.91 | 0.95 |
| | 3500K | 0.83 | 0.96 | 0.98 |
| | 4000K | 0.86 | 1.00 | 1.00 |
| | 5000K | 0.89 | 1.03 | 1.03 |
| | 6500K | — | — | 1.02 |

TW

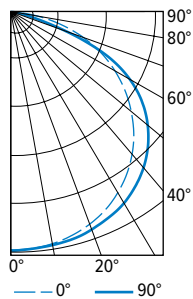


TW2



PHOTOMETRY

BAR-24-L40/835 Total Luminaire Output: 4058 lumens; 31.2 Watts | Efficacy: 130 lm/W | 80 CRI; 3500K CCT

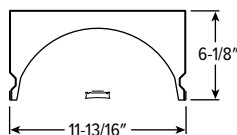


| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 1297 | 1297 | 1297 | |
| 5 | 1292 | 1290 | 1294 | 123 |
| 15 | 1258 | 1263 | 1278 | 358 |
| 25 | 1185 | 1206 | 1229 | 556 |
| 35 | 1068 | 1112 | 1146 | 694 |
| 45 | 914 | 978 | 1018 | 750 |
| 55 | 729 | 807 | 835 | 710 |
| 65 | 524 | 594 | 547 | 555 |
| 75 | 288 | 248 | 139 | 261 |
| 85 | 65 | 34 | 28 | 52 |
| 90 | 0 | 0 | 0 | |

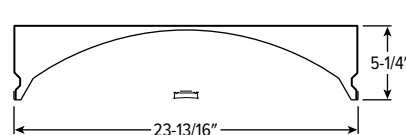
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1731 | 43 |
| | 0 - 60 | 3191 | 79 |
| | 0 - 90 | 4058 | 100 |
| | 0 - 180 | 4058 | 100 |

CROSS SECTIONS

1x4



2x2 | 2x4



FLEXIBLE WHIP OPTIONS

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

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. 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 | DRV + EM, 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) No. 18 AWG wires with (2) straight connectors | DIM, DALI |
| F368Y | 6' of 3/8" flex, (6) No. 18 AWG wires with (2) straight connectors | DIM, DIM + EM, DALI |

DRYWALL KIT (DFK) OPTIONS

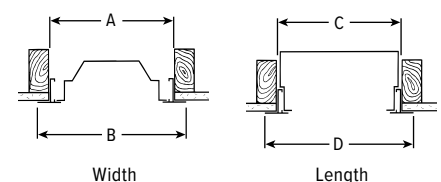
ORDERING INFO

| EXAMPLE: DFK - 24 48 W | | | | |
|------------------------|-------|--------|--------------------------|--|
| SERIES | WIDTH | LENGTH | FINISH | |
| DFK Drywall kit | 12 1' | 48 4' | W White | |
| | 24 2' | 24 2' | AMW Anti-microbial white | |
| | 24 2' | 48 4' | | |

INSTALLATION DIMENSIONS

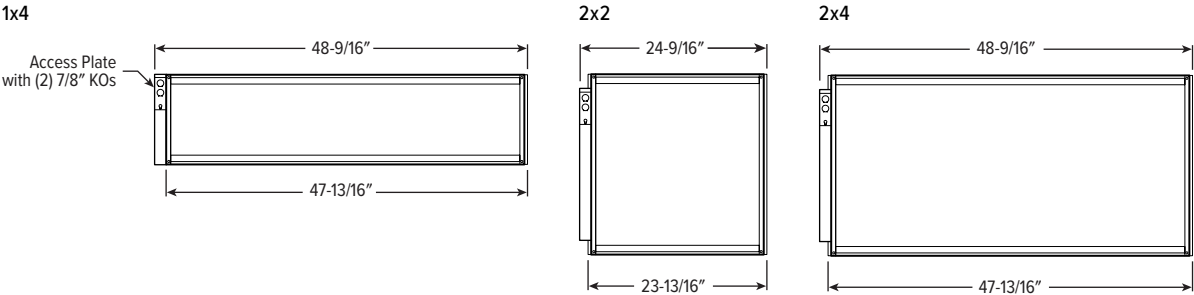
| NOMINAL SIZE | ROUGH-IN | | FINISH TRIM SIZE | |
|--------------|-----------|------------|------------------|------------|
| | WIDTH (A) | LENGTH (C) | WIDTH (B) | LENGTH (D) |
| 1' x 4' | 12-3/8" | 48-3/8" | 13-5/16" | 49-5/16" |
| 2' x 2' | 24-3/8" | 24-3/8" | 25-5/16" | 25-5/16" |
| 2' x 4' | 24-3/8" | 48-3/8" | 25-5/16" | 49-5/16" |

TYPICAL INSTALLATION

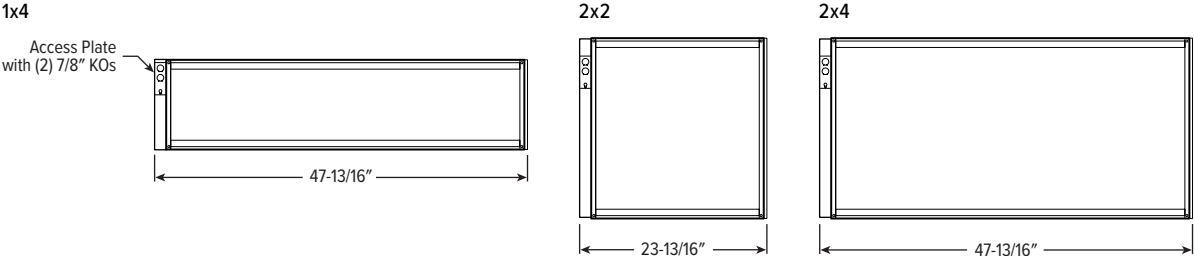


FIXTURE DETAILS

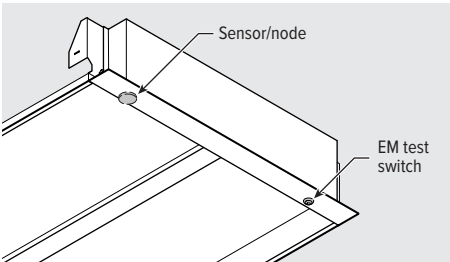
BACK VIEW
1x4



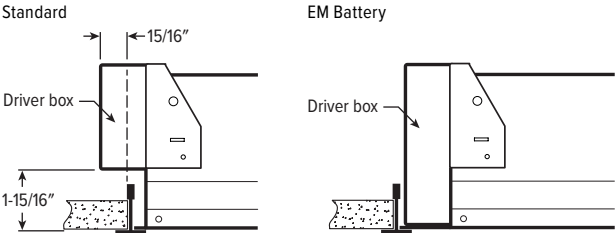
EM BATTERY BACK VIEW
1x4



OPTIONS PLACEMENT



GRID INSTALLATION



ADDITIONAL STATIC WHITE DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at hew.com/product-builder

| CATALOG NUMBER | DESCRIPTION |
|----------------|---|
| DRV | Driver without external dimming wires prewired for non-dimming applications |
| DIM | Driver with external dimming wires prewired for 0-10V low voltage applications |
| DIM1 | 1% driver with external dimming wires prewired for 0-10V low voltage applications |
| DIM LINE | Line voltage dimming driver (TRIAC and ELV compatible, 120V only) |
| DIM TRC | Line voltage dimming driver (TRIAC compatible, 120V only) |
| DA | Driver with 12V auxiliary power, without external dimming wires (not available with 347V) |
| D4I | DALI-2 sensor-ready driver without external dimming wires (not available with 347V) |
| DSR | Sensor-ready driver without external dimming wires (not available with 347V) |
| DALI | DALI dimming driver |
| SD40 | 40% step-dimming driver |
| SD50 | 50% step-dimming driver |
| LDE1 | Lutron Hi-lume 1% EcoSystem dimming driver |
| PoE PR | Power over Ethernet-ready Note: PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system |

TUNABLE WHITE DRIVER DETAILS

