

Shown with SQ

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Slim, low-profile suspended or surface mount fixture provides an architectural alternative to standard wrap-around fixtures
- Round or square profile provides design choices for a variety of applications
- Quality, frosted, extruded acrylic lens snaps securely in place to provide gentle diffused illumination
- Slim end plates are designed to conform to lens shape and prevent unsightly light leaks
- Internal, self-aligning joining method ensures straight rows
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge die-formed C.R.S.
- SHIELDING – Frosted, matte acrylic, round or square profile.
- FINISH – Textured matte white polyester TGIC 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 – Surface (ceiling or wall) or suspended (hanging hardware required)
- LISTINGS – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: LLM - 4 - L10/8TW - S - SQ - ACF/D48 - OPTIONS - DIM - UNV

ORDERING INFO

| SERIES | NOMINAL LENGTH | LUMENS ^[1] | COLOR | MOUNTING TYPE |
|--|--|-----------------------|---|---------------|
| LLM | Stand-alone: 2', 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4' | L10 1,000lm | 8TW Tunable white (80 CRI, 3000K-5000K) | S Surface |
| | Row-mount: Lengths specified in 4' increments Example: 12 = 12' | L15 1,500lm | | P Suspended |
| Product Builder Simplify ordering & layout design with the Williams Linear Product Builder at hew.com | | | | |

| SHIELDING | MOUNTING | |
|---------------------------|---|--|
| RD Round frosted acrylic | AIRCRAFT CABLES (EXAMPLE: ACF/D48) ^[2] | |
| SQ Square frosted acrylic | | Prefix Type Length |
| | | ACF/ Feeder D 1" grid & hardpan 24 24" |
| | ACJ/ Joiner N 9/16" grid 48 48" | |
| | S Slot grid 96 96" | |

| OPTIONS ^[3] | CONTROL ^[4] | VOLTAGE |
|---|---|----------------------|
| EM/10WLP Low profile 10-watt emergency battery ^[5] | DALI Driver prewired for DALI applications | 120 120V 277 277V |
| EM/12WR Remote mount 12-watt emergency battery | DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT | UNV 120-277V |
| (L__) Additional lower lumen packages available. Example: 3,500 nominal lumens = LLM-4-L10/8TW-(L40) ^[6] | DMX Driver prewired for DMX applications | |
| PS/120 Pull switch, single circuit ^[7] | PSO Lutron T-Series 2-channel tunable white 1%. | |
| PS2/120 Two-circuit, 4-position pull switch ^[8] | | |
| WRS/120 White rocker switch ^[9] | | |
| 45AMB (2) 45° adjustable mounting brackets ^[10] | | |

NOTES

- ¹ Lumens per foot output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² Specify with P Mounting Type only. See page 3 for SUSPENDED MOUNTING DETAILS.
- ³ See page 3 for FINISH OPTIONS.
- ⁴ See page 2 for CONTROL DETAILS.
- ⁵ Available in 4' and 8' lengths only.
- ⁶ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁷ 120V only. Surface mount only.
- ⁸ 120V only. Surface mount only. Requires two drivers per fixture
- ⁹ 120V only. Surface mount only.
- ¹⁰ Cord recommended, ordered separately. Field-adjustable up and down in 7-1/2" increments.

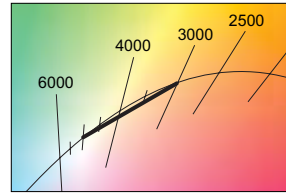
FIXTURE PERFORMANCE DATA

| | PER FOOT | | | | |
|-----|------------------|---------|-----------------|---------|---------|
| | DELIVERED LUMENS | | EFFICACY (lm/W) | | WATTAGE |
| | RD LENS | SQ LENS | RD LENS | SQ LENS | |
| L10 | 987 | 1007 | 143.7 | 146.7 | 6.9 |
| L15 | 1499 | 1529 | 138.8 | 141.7 | 10.8 |

- 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 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

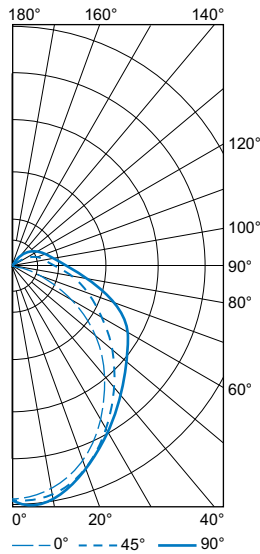
MULTIPLIER TABLE

| CCT | CONVERSION FACTOR | |
|-------|-------------------|---------|
| | LUMENS | WATTAGE |
| 3000K | 0.95 | 1.04 |
| 3500K | 0.98 | 1.02 |
| 4000K | 1.00 | 1.00 |
| 5000K | 0.96 | 1.04 |



PHOTOMETRY

LLM-4-L10/8TW-5-SQ-DALI Total Luminaire Output: 3897 lumens; 26.6 Watts | Efficacy: 147 lm/W | 80 CRI; 4000K CCT

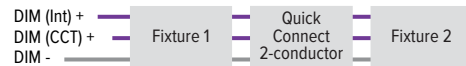


| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 1189 | 1189 | 1189 | |
| 5 | 1194 | 1199 | 1202 | 113 |
| 15 | 1101 | 1119 | 1125 | 317 |
| 25 | 951 | 985 | 1000 | 454 |
| 35 | 767 | 833 | 879 | 517 |
| 45 | 549 | 672 | 774 | 517 |
| 55 | 361 | 535 | 679 | 476 |
| 65 | 218 | 425 | 581 | 411 |
| 75 | 104 | 312 | 441 | 317 |
| 85 | 31 | 227 | 328 | 223 |
| 90 | 5 | 172 | 248 | |
| 95 | 0 | 164 | 230 | 154 |
| 105 | 0 | 133 | 179 | 121 |
| 115 | 0 | 109 | 147 | 94 |
| 125 | 0 | 90 | 125 | 71 |
| 135 | 0 | 73 | 102 | 50 |
| 145 | 0 | 64 | 90 | 35 |
| 155 | 0 | 48 | 63 | 19 |
| 165 | 0 | 35 | 41 | 8 |
| 175 | 0 | 12 | 24 | 1 |
| 180 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 30 | 884 | 23 |
| 0 - 40 | 1400 | 36 | |
| 0 - 60 | 2393 | 61 | |
| 0 - 90 | 3343 | 86 | |
| 90 - 180 | 554 | 14 | |
| 0 - 180 | 3897 | 100 | |

CONTROL DETAILS

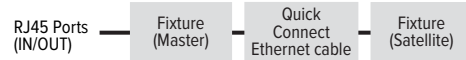
DIM



DALI



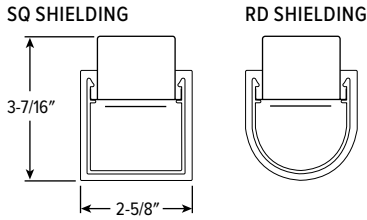
DMX



LUTRON T-SERIES

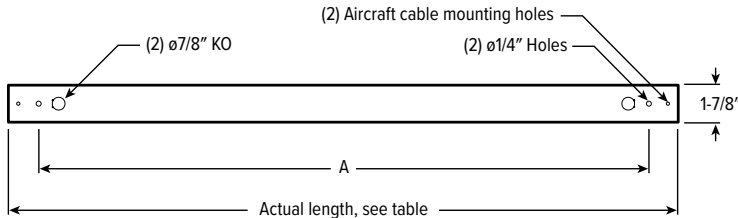


CROSS SECTIONS



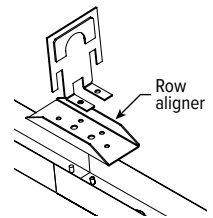
FIXTURE DETAILS

BACKVIEW



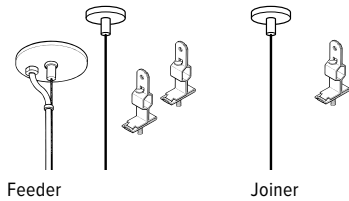
| NOMINAL LENGTH | ACTUAL LENGTH | A |
|----------------|---------------|-----------|
| 2' | 24-5/16" | 23-5/16" |
| 4' | 46-7/16" | 45-7/16" |
| 8' | 92-15/16" | 91-15/16" |

ROW ALIGNER DETAIL



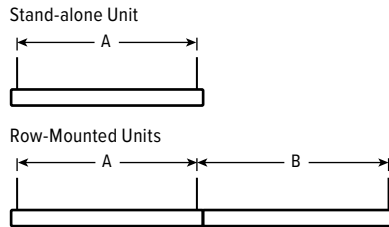
SUSPENDED MOUNTING DETAILS

STANDARD HARDWARE (Grid and Hardpan)



- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.

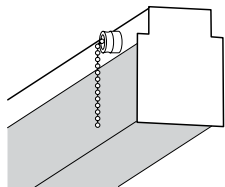
CENTER-TO-CENTER MOUNTING CABLE DETAIL



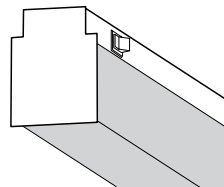
| | CABLE MOUNT | |
|----|-------------|---------|
| | A | B |
| 2' | 23-1/4" | 24-1/4" |
| 4' | 45-3/8" | 46-3/8" |
| 8' | 91-3/4" | 92-3/4" |

OPTIONS DETAILS (surface mount only)

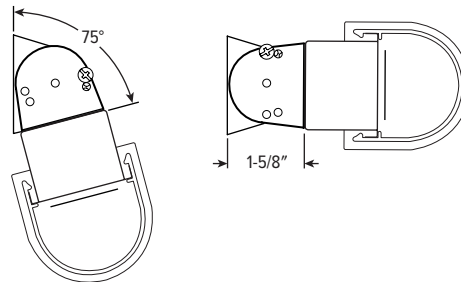
PS/120 OR PS2/120
(Pull switch, single or two-circuit)



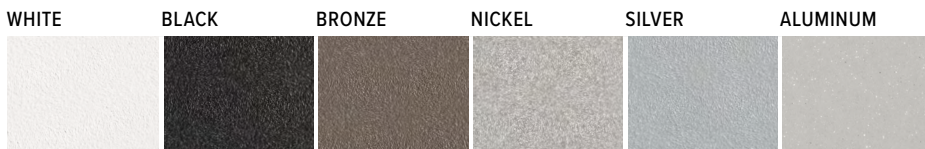
WRS/120
(White rocker switch)



45AMB



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.

