

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Available with BIOS® SkyBlue® technology to support proper daytime circadian stimulus
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 116 lm/w
- Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- Optional gasketed acrylic lens helps protect against contaminants
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING**— Precision die-formed 22-gauge C.R.S.
- DOOR FRAME**— Hinged, flat, extruded aluminum door frame with optical assembly.
- SHIELDING**— Diffuse polycarbonate lens and acrylic center standard.
- 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.
- MOUNTING**—NEMA Type “G” standard, NEMA Type “F” available.
- 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.
 - IC-rated for direct contact with insulation.
 - 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: AT1 - 2 4 - L70/835 - D - OPTIONS - DIM - UNV

ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS ^[1] | CRI | CCT | SHIELDING |
|--------|-------|---------------------|-----------------------|-------------|---------------------|------------------------------------|
| AT1 | 1 1' | 2 2' ^[2] | 1x4 | 8 80 | 27 2700K | D Diffuse matte acrylic center |
| | | 2 2' | 4 4' | L30 3,000lm | 9 90 ^[3] | |
| | | | L50 5,000lm | | 35 3500K | P Perforated center ^[4] |
| | | | L63 6,300lm | | 40 4000K | |
| | | | 2x2 | | 50 5000K | |
| | | | L30 3,000lm | | | |
| | | | L40 4,000lm | | | |
| | | | L50 5,000lm | | | |
| | | | 2x4 | | | |
| | | | L40 4,000lm | | | |
| | | L55 5,500lm | | | | |
| | | L70 7,000lm | | | | |
| | | L100 10,000lm | | | | |

OPTIONS

| | |
|-----------------|---|
| EM/7W | 7-watt emergency battery ^[6] |
| EM/10W | 10-watt emergency LED battery ^[7] |
| EM/10WLP | Low-profile 10-watt emergency LED battery ^[8] |
| EM/12W | 12-watt emergency battery ^[9] |
| EQCLIPS | Earthquake clips ^[10] |
| (L___) | Additional lower lumen packages available. ^[11] Example: 5,000 nominal lumens = AT1-24-L55/835-D-(L50). |
| SS | Gasketed clear flat acrylic lens |
| AMW | Anti-microbial white finish |
| NEMA F | NEMA Type “F” flange kit ^[12] |
| CP | Chicago Plenum (CCEA) |

CONTROL ^[5]

| | | | |
|----------------|---|------------|----------------------|
| DIM | Dimming driver | 120 | 120V |
| DRV | Non-dimming driver | 277 | 277V |
| VDO/DSR | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver | UNV | 120-277V |
| VRF/DSR | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver | 347 | 347V ^[13] |

VOLTAGE

| | |
|------------|----------------------|
| 120 | 120V |
| 277 | 277V |
| UNV | 120-277V |
| 347 | 347V ^[13] |



NOTES

- 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' width only
- Extended lead times may apply. Consult factory for availability.
- Decreases lumen output by 15%
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- 120V-277V only
- 120V-277V only; 2x2, 2x4 only
- 120V-277V only; 1x4 only
- 120V-277V only; 2x2, 2x4 only
- NEMA Type “G” only. 4 per fixture
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Factory-installed. See page 3 for NEMA TYPE “F” INSTALLATION.
- Not available with EM drivers



AT1^{LED} Architectural Troffer – Curved Floating Center

FIXTURE PERFORMANCE DATA

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 1x4 | L30 | 3028 | 29.5 | 102.6 |
| | L50 | 5056 | 48.3 | 104.7 |
| 2x2 | L63 | 6318 | 62.4 | 101.3 |
| | L30 | 3028 | 29.5 | 102.6 |
| | L40 | 4120 | 37.2 | 110.8 |
| 2x4 | L50 | 5056 | 48.3 | 104.7 |
| | L40 | 4035 | 34.2 | 118.1 |
| | L55 | 5523 | 48.0 | 115.0 |
| | L70 | 7002 | 63.3 | 110.6 |
| | L100 | 10125 | 86.9 | 116.5 |

MULTIPLIER TABLE

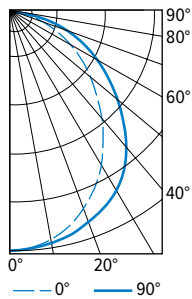
| COLOR TEMPERATURE | |
|-------------------|-------------------|
| CCT | CONVERSION FACTOR |
| 2700K | 0.97 |
| 3000K | 0.99 |
| 3500K | 1.00 |
| 4000K | 1.03 |
| 5000K | 1.06 |

| | | |
|--------|-------|------|
| 80 CRI | 2700K | 0.80 |
| | 3000K | 0.82 |
| | 3500K | 0.83 |
| | 4000K | 0.86 |
| | 5000K | 0.89 |

- 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

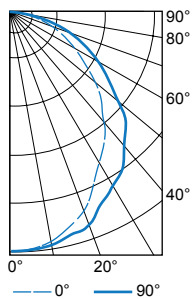
AT1-22-L40/835-D-DIM-UNV Total Luminaire Output: 4120 lumens; 37 Watts | Efficacy: 111 lm/W | 82 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 1556 | 1556 | 1556 | |
| | 5 | 1557 | 1550 | 1549 | 147 |
| | 15 | 1468 | 1485 | 1511 | 419 |
| | 25 | 1295 | 1353 | 1429 | 625 |
| | 35 | 1089 | 1171 | 1282 | 736 |
| | 45 | 840 | 948 | 1054 | 732 |
| | 55 | 600 | 723 | 793 | 635 |
| | 65 | 382 | 495 | 564 | 479 |
| | 75 | 197 | 290 | 323 | 279 |
| | 85 | 44 | 54 | 48 | 65 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1191 | 29 |
| | 0 - 40 | 1928 | 47 |
| | 0 - 60 | 3296 | 80 |
| | 0 - 90 | 4120 | 100 |
| | 0 - 180 | 4120 | 100 |

AT1-24-L70/835-D-DIM-UNV Total Luminaire Output: 7002 lumens; 63 Watts | Efficacy: 111 lm/W | 82 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 2694 | 2694 | 2694 | |
| | 5 | 2696 | 2701 | 2703 | 256 |
| | 15 | 2533 | 2576 | 2626 | 725 |
| | 25 | 2185 | 2298 | 2426 | 1064 |
| | 35 | 1835 | 2023 | 2194 | 1250 |
| | 45 | 1396 | 1632 | 1771 | 1232 |
| | 55 | 982 | 1203 | 1296 | 1052 |
| | 65 | 643 | 843 | 912 | 804 |
| | 75 | 336 | 500 | 514 | 487 |
| | 85 | 95 | 102 | 105 | 133 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2044 | 29 |
| | 0 - 40 | 3294 | 47 |
| | 0 - 60 | 5578 | 80 |
| | 0 - 90 | 7002 | 100 |
| | 0 - 180 | 7002 | 100 |



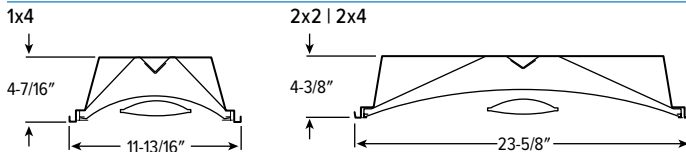
AT1^{LED} Architectural Troffer – Curved Floating Center

ADDITIONAL CONTROL OPTIONS

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

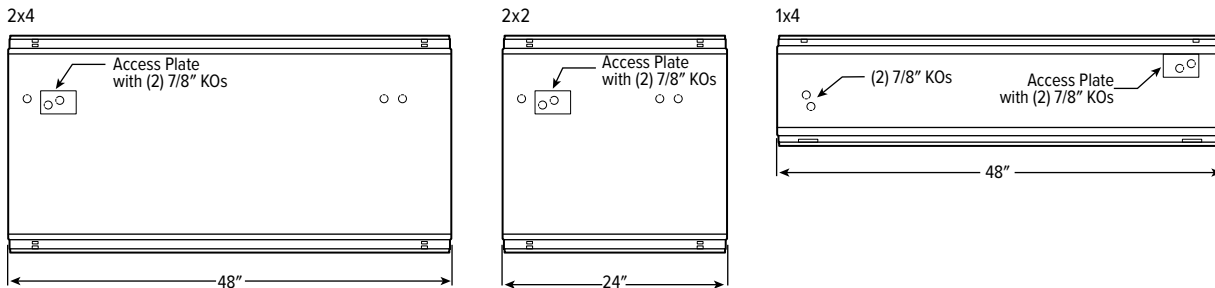
| CATALOG NUMBER | DESCRIPTION |
|-----------------|--|
| DRV | Driver prewired for non-dimming applications |
| DIM | Dimming driver prewired for 0-10V low voltage applications |
| DIM1 | 1% dimming driver prewired for 0-10V low voltage applications |
| DIM LINE | Line voltage dimming driver (Must specify 120V or 277V only) |
| DSR | Sensor-ready driver |
| 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 |
| VDO/DSR | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver |
| VRF/DSR | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver |
| VDO/DBI/LDE1 | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface |
| VDO/DBI/LDE5 | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface |
| VRF/DBI/LDE1 | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface |
| VRF/DBI/LDE5 | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface |
| 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 |

CROSS SECTIONS

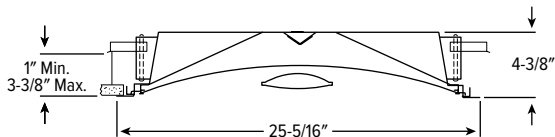


FIXTURE DETAILS

BACKVIEW



NEMA TYPE "F" INSTALLATION



Note: Maximum recommended ceiling opening is 24-3/8" x 24-38" for 2'x2' and 24-3/8"x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

