

ARCHITECTURAL LED TROFFER – CURVED DEEP CENTER

AT2

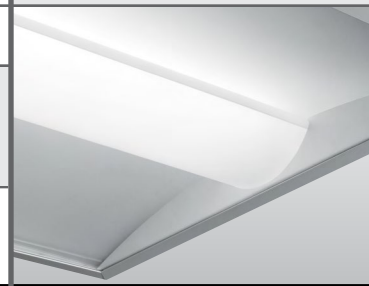
LED

CATALOG #: _____ TYPE: _____

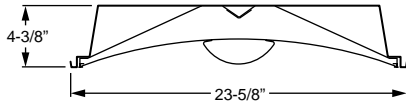
PROJECT: _____ NOTES: _____

EXAMPLE → **AT2 - 2 4 - L70/835 - D - OPTIONS - DIM - UNV**

SERIES NOM. W. NOM. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS/ACCESSORIES DRIVER VOLTAGE



CROSS SECTION



ORDERING INFORMATION

SERIES
AT2 Architectural LED Troffer – Curved Deep Center

NOMINAL WIDTH
 2 2'

NOMINAL LENGTH
 2 2'
 4 4'

LED PACKAGE

| Example: L70/835 | | | WATTAGE |
|------------------|----------------|-----------------------------------------------------------------------------------------------------------------|---------|
| LUMEN PACKAGE | NOMINAL LUMENS | MINIMUM CRI & CCT | |
| 2x2 | | | |
| L20 | 2,000 | 827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K 850 = 82 CRI, 5000K | 21 |
| L30 | 3,000 | | 31 |
| L40 | 4,000 | | 44 |
| L50 | 5,000 | | 50 |
| 2x4 | | | |
| L30 | 3,000 | | 31 |
| L40 | 4,000 | | 42 |
| L55 | 5,500 | | 59 |
| L70 | 7,000 | | 70 |
| L85 | 8,500 | | 86 |
| L100 | 10,000 | | 99 |

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

SHIELDING

- D** Diffuse matte acrylic center
- P** Perforated center (decreases lumen output by 15%)

DIFFUSE CENTER DECORATIVE INSERTS

Only available with D shielding option. See page 3 for details

- D11** Triple wave
- D12** Brushed metal
- D13** Elliptical Perf
- D14** Circles
- D15** Stripes
- D16** Tri-Pyramid

OPTIONS

For flexible whip options, see [Technical Info](#). See page 3 for fixture details.

EM/10W EQCLIPS (L__) 10-watt emergency LED battery (120V-277V only)
 Earthquake clips (4 per fixture)

Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
 Example: 5,000 nominal lumens = AT2-24-L55/835-D-(L50).

SS Gasketed clear flat acrylic lens (not available with OCC option)

AMW NEMA F CP Anti-microbial white finish
 NEMA Type "F" flange kit, factory-installed Chicago Plenum (CCEA)

DRIVER

Additional dimming drivers available, see [Technical Info](#).

- DRV** Driver prewired for non-dimming applications
- DIM** 10% dimming driver prewired for 0-10V low voltage applications

VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V
- 347** 347V (not available with EM drivers)

FEATURES

- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Quiet and smooth illumination for visual comfort
- ▶ Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- ▶ Optional gasketed acrylic lens adds extra layer of protection
- ▶ Available with decorative inserts to customize center lens
- ▶ Rated for 25°C ambient operating temperature.
- ▶ This fixture is proudly made in the USA



AT2

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LED

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.

Labels –

- 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.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

FIXTURE PERFORMANCE DATA

| LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (LM/W) |
|-------------|------------------|---------|-----------------|
| 2x2 | | | |
| L20 | 1972 | 21 | 93.9 |
| L30 | 2822 | 31 | 91.0 |
| L40 | 3775 | 43 | 87.7 |
| L50 | 5033 | 50 | 100.7 |
| 2x4 | | | |
| L30 | 3053 | 31 | 98.5 |
| L40 | 3940 | 42 | 93.8 |
| L55 | 5356 | 59 | 90.8 |
| L70 | 6903 | 70 | 98.8 |
| L85 | 8273 | 86 | 96.2 |
| L100 | 10367 | 99 | 104.7 |

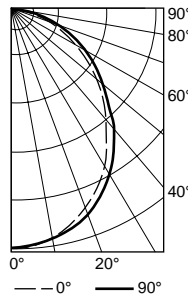
MULTIPLIER TABLE

| COLOR TEMPERATURE | |
|-------------------|-------------------|
| CCT/CRI | CONVERSION FACTOR |
| 2700K/80CRI | 0.97 |
| 3000K/80CRI | 0.99 |
| 3500K/80CRI | 1.00 |
| 4000K/80CRI | 1.03 |
| 5000K/80CRI | 1.06 |

- 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

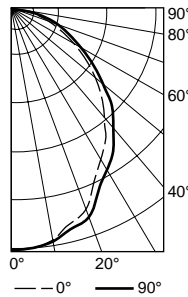
AT2-22-L40/835-D-DIM-UNV Report #: 18885.0; 06/02/15 | Total Luminaire Output: 3775 lumens; 43 Watts
Efficacy: 87.7 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



| CANDLEPOWER DISTRIBUTION | Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|--------------------------|----------------|------------------|-------|-------|--------------|
| | | 0° | 45° | 90° | |
| 0 | 1521. | 1521. | 1521. | 1521. | |
| 5 | 1517. | 1510. | 1508. | 144.2 | |
| 15 | 1429. | 1434. | 1452. | 407.6 | |
| 25 | 1269. | 1293. | 1331. | 601.2 | |
| 35 | 1054. | 1096. | 1140. | 692.0 | |
| 45 | 812. | 877. | 894. | 673.7 | |
| 55 | 591. | 645. | 665. | 568.2 | |
| 65 | 371. | 416. | 449. | 409.7 | |
| 75 | 182. | 221. | 240. | 230.3 | |
| 85 | 36. | 55. | 40. | 48.0 | |
| 90 | 0. | 0. | 0. | | |

| LUMEN SUMMARY | Zone | Lumens | % Fixture |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1153. | 30.5 |
| | 0 - 40 | 1845. | 48.9 |
| | 0 - 60 | 3087. | 81.8 |
| | 0 - 90 | 3775. | 100.0 |
| | 0 - 180 | 3775. | 100.0 |

AT2-24-L70/835-D-DIM-UNV Report #: 18891.0; 06/10/15 | Total Luminaire Output: 6903 lumens; 70 Watts
Efficacy: 98.8 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1



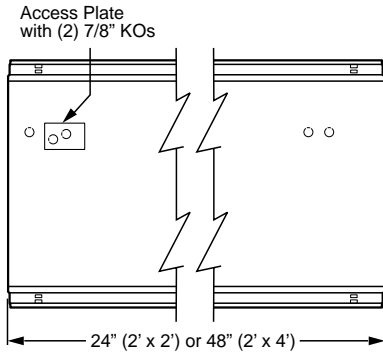
| CANDLEPOWER DISTRIBUTION | Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|--------------------------|----------------|------------------|-------|--------|--------------|
| | | 0° | 45° | 90° | |
| 0 | 2850. | 2850. | 2850. | | |
| 5 | 2823. | 2823. | 2826. | 269.5 | |
| 15 | 2639. | 2666. | 2697. | 755.9 | |
| 25 | 2286. | 2348. | 2409. | 1086.6 | |
| 35 | 1920. | 2010. | 2077. | 1259.0 | |
| 45 | 1510. | 1609. | 1680. | 1240.8 | |
| 55 | 1055. | 1138. | 1186. | 1012.6 | |
| 65 | 681. | 752. | 790. | 739.4 | |
| 75 | 343. | 413. | 436. | 423.1 | |
| 85 | 92. | 112. | 101. | 115.6 | |
| 90 | 0. | 0. | 0. | | |

| LUMEN SUMMARY | Zone | Lumens | % Fixture |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2112. | 30.6 |
| | 0 - 40 | 3371. | 48.8 |
| | 0 - 60 | 5625. | 81.5 |
| | 0 - 90 | 6903. | 100.0 |
| | 0 - 180 | 6903. | 100.0 |

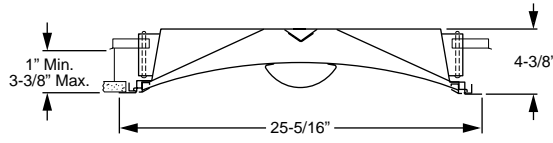


FIXTURE DETAILS

BACK VIEW



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.

DIFFUSE CENTER DECORATIVE INSERT DETAILS

