

ARCHITECTURAL LED TROFFER – STRAIGHT FLOATING CENTER

AT3

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

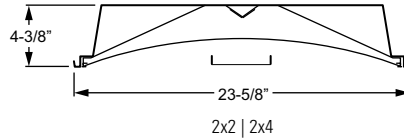
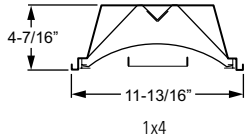
EXAMPLE

AT3 - 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

AT3 Architectural LED Troffer – Straight Floating Center

NOMINAL WIDTH

1 1'
2 2'

NOMINAL LENGTH

2 2' (2' width only)
4 4'

LED PACKAGE

| EXAMPLE: L70/835 | | | WATTAGE | |
|------------------|----------------|---|---------|--|
| LUMEN PACKAGE | NOMINAL LUMENS | MINIMUM CRI & CCT | | |
| 1x4 | | | | |
| L20 | 2,000 | 827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K 850 = 82 CRI, 5000K | 24 | |
| L30 | 3,000 | | 34 | |
| L40 | 4,000 | | 49 | |
| L50 | 5,000 | | 51 | |
| L63 | 6,300 | | 69 | |
| 2x2 | | | | |
| L20 | 2,000 | | 21 | |
| L30 | 3,000 | | 31 | |
| L40 | 4,000 | | 42 | |
| L50 | 5,000 | | 49 | |
| 2x4 | | | | |
| L30 | 3,000 | 31 | | |
| L40 | 4,000 | 43 | | |
| L55 | 5,500 | 55 | | |
| L70 | 7,000 | 69 | | |
| L85 | 8,500 | 86 | | |
| L100 | 10,000 | 98 | | |

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

OPTIONS

For flexible whip options, see [Technical Info](#). See page 4 for fixture details.

EM/10W 10-watt emergency LED battery (120V-277V only; 2x2, 2x4 only)

EM/10WLP Low-profile 10-watt emergency LED battery (120V-277V only; 1x4 only)

EQCLIPS Earthquake clips (4 per fixture)

(L__) 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 = AT3-24-L55/835-D-(**L50**).

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

AMW Anti-microbial white finish

NEMA F NEMA Type "F" flange kit, factory-installed

CP 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

- ▶ Straight floating lens effect creates an appealing visual appearance.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Sleek, extruded center complements LX4 continuous light series.
- ▶ 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
- ▶ Rated for 25°C ambient operating temperature
- ▶ This fixture is proudly made in the USA



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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.
 - 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.
 - Suitable for damp locations.
 - IC-rated for direct contact with insulation.
 - 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) |
|-------------|------------------|---------|-----------------|
| 1x4 | | | |
| L20 | 2236 | 24 | 93.2 |
| L30 | 3201 | 34 | 94.1 |
| L40 | 4192 | 49 | 85.6 |
| L50 | 5003 | 51 | 98.1 |
| L63 | 6502 | 69 | 94.2 |
| 2x2 | | | |
| L20 | 2091 | 21 | 99.6 |
| L30 | 2998 | 31 | 96.7 |
| L40 | 3924 | 42 | 93.4 |
| L50 | 4878 | 49 | 99.6 |
| 2x4 | | | |
| L30 | 3120 | 31 | 100.6 |
| L40 | 3998 | 43 | 93.0 |
| L55 | 5694 | 55 | 103.5 |
| L70 | 7224 | 69 | 105.3 |
| L85 | 8376 | 86 | 97.4 |
| L100 | 10147 | 98 | 103.5 |

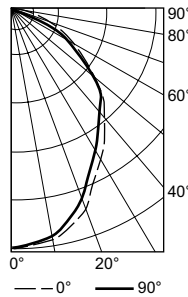
MULTIPLIER TABLE

| 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

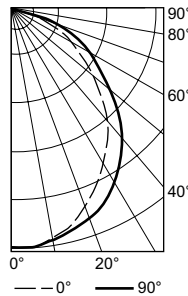
AT3-14-L63/830-D-DRV-120 Report #: 19446.0; 08/16/16 | Total Luminaire Output: 6502 lumens; 68.3 Watts
Efficacy: 95.2 lm/W | 83 CRI; 3587K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



| Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2902. | 2902. | 2902. | |
| 5 | 2866. | 2861. | 2856. | 273.1 |
| 15 | 2694. | 2668. | 2648. | 756.8 |
| 25 | 2314. | 2272. | 2254. | 1054.1 |
| 35 | 1929. | 1888. | 1884. | 1191.7 |
| 45 | 1574. | 1551. | 1557. | 1206.6 |
| 55 | 1099. | 1090. | 1069. | 973.5 |
| 65 | 718. | 714. | 551. | 662.5 |
| 75 | 350. | 257. | 238. | 303.3 |
| 85 | 97. | 75. | 60. | 80.2 |
| 90 | 0. | 0. | 0. | |

| LUMEN SUMMARY | Zone | Lumens | % Fixture |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2084. | 32.1 |
| | 0 - 40 | 3276. | 50.4 |
| | 0 - 60 | 5456. | 83.9 |
| | 0 - 90 | 6502. | 100.0 |
| | 0 - 180 | 6502. | 100.0 |

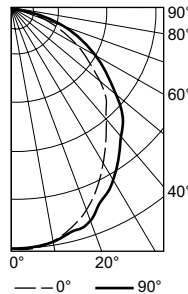
AT3-22-L50/835-D-DRV-120 Report #: 19435.0; 07/18/16 | Total Luminaire Output: 4878 lumens; 48.9 Watts
Efficacy: 99.8 lm/W | 82 CRI; 3557K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



| Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
| | 0° | 45° | 90° | |
| 0 | 1919. | 1919. | 1919. | |
| 5 | 1915. | 1908. | 1905. | 182.2 |
| 15 | 1808. | 1813. | 1846. | 516.2 |
| 25 | 1592. | 1654. | 1730. | 767.1 |
| 35 | 1335. | 1425. | 1522. | 896.7 |
| 45 | 1029. | 1120. | 1210. | 867.2 |
| 55 | 734. | 829. | 891. | 735.9 |
| 65 | 478. | 559. | 614. | 547.1 |
| 75 | 243. | 308. | 356. | 319.3 |
| 85 | 44. | 39. | 37. | 46.0 |
| 90 | 0. | 0. | 0. | |

| LUMEN SUMMARY | Zone | Lumens | % Fixture |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1465. | 30.0 |
| | 0 - 40 | 2362. | 48.4 |
| | 0 - 60 | 3965. | 81.3 |
| | 0 - 90 | 4878. | 100.0 |
| | 0 - 180 | 4878. | 100.0 |

AT3-24-L70/830-D-DIM-UNV Report #: 19260.0; 02/29/16 | Total Luminaire Output: 7144 lumens; 69 Watts
Efficacy: 104.1 lm/W | 83 CRI; 3091K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1



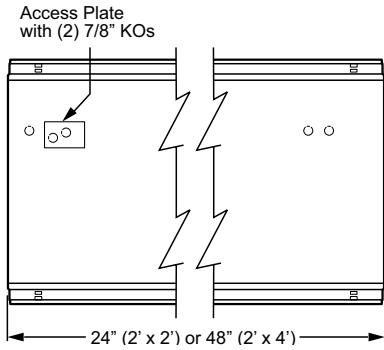
| Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2836. | 2836. | 2836. | |
| 5 | 2821. | 2822. | 2824. | 269.4 |
| 15 | 2662. | 2685. | 2720. | 762.1 |
| 25 | 2303. | 2378. | 2468. | 1102.2 |
| 35 | 1866. | 1997. | 2128. | 1254.3 |
| 45 | 1503. | 1680. | 1792. | 1286.0 |
| 55 | 1039. | 1204. | 1281. | 1058.7 |
| 65 | 695. | 849. | 912. | 821.6 |
| 75 | 362. | 495. | 495. | 490.9 |
| 85 | 108. | 77. | 72. | 99.0 |
| 90 | 0. | 0. | 0. | |

| LUMEN SUMMARY | Zone | Lumens | % Fixture |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2134. | 29.9 |
| | 0 - 40 | 3388. | 47.4 |
| | 0 - 60 | 5733. | 80.2 |
| | 0 - 90 | 7144. | 100.0 |
| | 0 - 180 | 7144. | 100.0 |

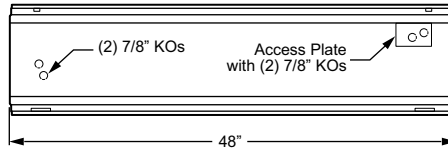


FIXTURE DETAILS

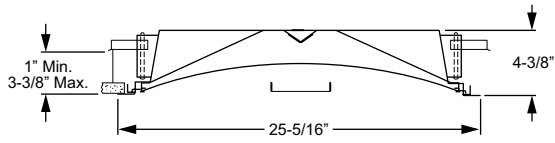
2x2 | 2x4 BACK VIEW



1x4 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.

