

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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 126 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 >50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. 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** –Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. NEMA Type “F” available, see options.
- **LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe
- Consult factory for design support



ORDERING EXAMPLE: AT1 - 2 4 - P58/835 - D - OPTIONS - POE PR

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 P Perforated center ^[4] | | |
| | | 2 2' | P16 1,600lm | 9 90 ^[3] | 30 3000K | | | |
| | 2 2' | 4 4' | P25 2,500lm | | 35 3500K | | | |
| | | | P52 5,200lm | | 40 4000K | | | |
| | 2x2 | | | P16 1,600lm | | 50 5000K | | |
| | | | | P25 2,500lm | | TW Tunable white (3000K-5000K) | | |
| | | | | P52 5,200lm | | TW2 Tunable white (2700K-6500K) | | |
| | | | | 2x4 | P27 2,700lm | | | |
| | | | | | P58 5,800lm | | | |
| | | | | | P100 10,000lm | | | |

OPTIONS

- EQCLIPS** Earthquake clips ^[6]
- SS** Sani-shield acrylic cover with double gasket. ^[7]
- SS/PC** Sani-shield polycarbonate cover with double gasket. ^[8]
- AMW** Anti-microbial white finish
- NEMA F** NEMA Type “F” flange kit, factory-installed ^[9]

CONTROL ^[5]

- POE PR** Power over Ethernet, Platformatics-ready

NOTES

- ¹ Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² 2' width only
- ³ Extended lead times may apply. Consult factory for availability.
- ⁴ Decreases lumen output by 15%
- ⁵ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.
- ⁶ 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting. Not available with NEMA F Option.
- ⁷ Reduces lumen output by 10%.
- ⁸ Reduces lumen output by 10%.
- ⁹ See page 3 for NEMA TYPE “F” INSTALLATION.



AT1 PoE | tunable WHITE Architectural Troffer – Curved Floating Center

FIXTURE PERFORMANCE DATA

STANDARD

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------------|------------------|---------|-----------------|
| 1x4 | P16 | 1649 | 14.4 | 114.4 |
| | P25 | 2506 | 23.2 | 108.3 |
| | P52 | 5240 | 46.9 | 111.8 |
| 2x2 | P16 | 1649 | 14.4 | 114.4 |
| | P25 | 2506 | 23.2 | 108.3 |
| | P52 | 5240 | 46.9 | 111.8 |
| 2x4 | P27 | 2743 | 21.7 | 126.3 |
| | P58 | 5802 | 47.5 | 122.3 |
| | P100 ¹ | 10049 | 81.2 | 123.8 |

TUNABLE WHITE

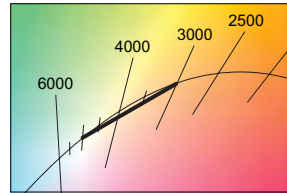
| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------------|------------------|---------|-----------------|
| 1x4 | P16 | 1605 | 15.4 | 104.0 |
| | P25 | 2507 | 25.1 | 99.9 |
| | P52 | 5224 | 50.1 | 104.4 |
| 2x2 | P16 | 1605 | 15.4 | 104.0 |
| | P26 | 2507 | 25.1 | 99.9 |
| | P52 | 5224 | 50.1 | 104.4 |
| 2x4 | P27 | 2717 | 24.2 | 112.1 |
| | P58 | 5835 | 49.8 | 117.2 |
| | P100 ¹ | 10070 | 95.2 | 105.7 |

MULTIPLIER TABLE

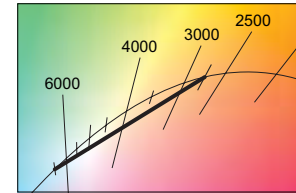
| COLOR TEMPERATURE | | | | |
|-------------------|-------|----------|------|------|
| | CCT | STANDARD | TW | TW2 |
| 80 CRI | 2700K | 0.97 | - | 0.93 |
| | 3000K | 0.99 | 0.95 | 0.95 |
| | 3500K | 1.00 | 0.98 | 0.98 |
| | 4000K | 1.03 | 1.00 | 1.00 |
| | 5000K | 1.06 | 0.96 | 1.02 |
| | 6500K | - | - | 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 |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.
- ¹ Fixture contains two nodes, one power drop per node required.

TW

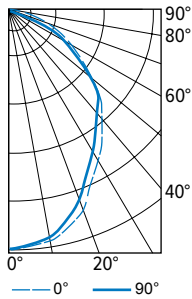


TW2



PHOTOMETRY

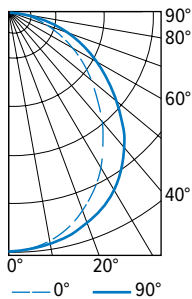
AT1-14-P52/835-D Total Luminaire Output: 5240 lumens; 47 Watts | Efficacy: 112 lm/W | 82 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2389 | 2389 | 2389 | |
| 5 | 2364 | 2357 | 2351 | 224 |
| 15 | 2238 | 2207 | 2180 | 622 |
| 25 | 1912 | 1855 | 1818 | 863 |
| 35 | 1593 | 1532 | 1508 | 964 |
| 45 | 1293 | 1248 | 1237 | 954 |
| 55 | 892 | 871 | 837 | 777 |
| 65 | 584 | 566 | 418 | 519 |
| 75 | 284 | 203 | 186 | 251 |
| 85 | 79 | 54 | 40 | 67 |
| 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1709 | 33 |
| | 0 - 40 | 2673 | 51 |
| | 0 - 60 | 4403 | 84 |
| | 0 - 90 | 5240 | 100 |
| | 0 - 180 | 5240 | 100 |

AT1-22-P52/835-D Total Luminaire Output: 5240 lumens; 47 Watts | Efficacy: 112 lm/W | 82 CRI; 3500K CCT



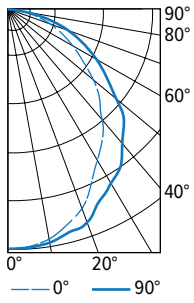
| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2062 | 2062 | 2062 | |
| 5 | 2058 | 2050 | 2047 | 195 |
| 15 | 1943 | 1948 | 1984 | 552 |
| 25 | 1711 | 1777 | 1859 | 820 |
| 35 | 1435 | 1531 | 1636 | 957 |
| 45 | 1106 | 1204 | 1300 | 931 |
| 55 | 789 | 891 | 958 | 791 |
| 65 | 514 | 601 | 660 | 588 |
| 75 | 261 | 331 | 383 | 336 |
| 85 | 47 | 42 | 40 | 71 |
| 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1567 | 30 |
| | 0 - 40 | 2523 | 48 |
| | 0 - 60 | 4245 | 81 |
| | 0 - 90 | 5240 | 100 |
| | 0 - 180 | 5240 | 100 |



AT1 PoE | tunable WHITE Architectural Troffer – Curved Floating Center

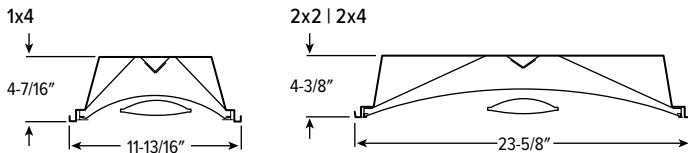
AT1-24-P58/835-D Total Luminaire Output: 5802 lumens; 47.5 Watts | Efficacy: 122.3 lm/W | 82 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 2312 | 2312 | 2312 | |
| | 5 | 2299 | 2300 | 2302 | 218 |
| | 15 | 2170 | 2189 | 2217 | 617 |
| | 25 | 1877 | 1938 | 2012 | 896 |
| | 35 | 1521 | 1628 | 1735 | 1020 |
| | 45 | 1225 | 1369 | 1461 | 1029 |
| | 55 | 847 | 981 | 1044 | 866 |
| | 65 | 567 | 692 | 743 | 663 |
| | 75 | 295 | 403 | 403 | 395 |
| | 85 | 88 | 63 | 59 | 97 |
| | 90 | 0 | 0 | 0 | |

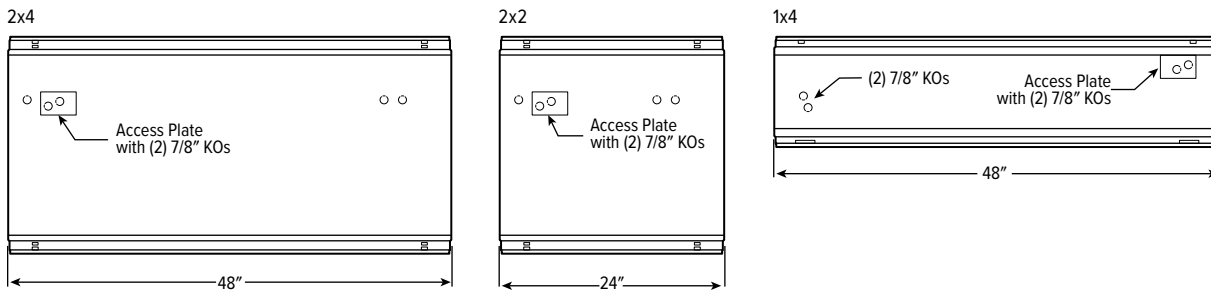
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1731 | 30 |
| | 0 - 40 | 2752 | 47 |
| | 0 - 60 | 4647 | 80 |
| | 0 - 90 | 5802 | 100 |
| | 0 - 180 | 5802 | 100 |

CROSS SECTIONS

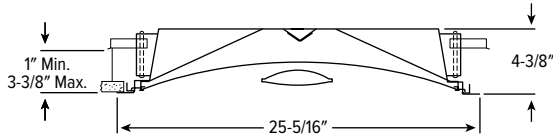


FIXTURE DETAILS

BACKVIEW



NEMA TYPE "F" INSTALLATION



Note: Maximum recommended ceiling opening is 24-3/8" x 24-3/8" 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.

NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2

