

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
- Available with decorative inserts to customize center lens
- Distinct curved deep center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 128 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](http://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](http://hew.com/poe)
- Consult factory for design support



## ORDERING EXAMPLE: AT2 - 2 4 - P58/835 - D - OPTIONS - POE PR

### ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS <sup>[1]</sup> | CRI                 | CCT                             | SHIELDING                          |
|--------|-------|--------|-----------------------|---------------------|---------------------------------|------------------------------------|
| AT2    | 2 2'  | 2 2'   | 2x2                   | 8 80                | 27 2700K                        | D Diffuse matte acrylic center     |
|        |       | 4 4'   | P16 1,600lm           | 9 90 <sup>[2]</sup> | 30 3000K                        | P Perforated center <sup>[3]</sup> |
|        |       |        | P25 2,500lm           |                     | 35 3500K                        |                                    |
|        |       |        | P52 5,200lm           |                     | 40 4000K                        |                                    |
|        |       |        | 2x4                   |                     | 50 5000K                        |                                    |
|        |       |        | P27 2,700lm           |                     | TW Tunable white (3000K–5000K)  | DECORATIVE INSERTS <sup>[4]</sup>  |
|        |       |        | P58 5,800lm           |                     | TW2 Tunable white (2700K-6500K) | D11 Triple wave                    |
|        |       |        | P100 10,000lm         |                     |                                 | D12 Brushed metal                  |
|        |       |        |                       |                     |                                 | D13 Elliptical Perf                |
|        |       |        |                       |                     |                                 | D14 Circles                        |
|        |       |        |                       |                     | D15 Stripes                     |                                    |
|        |       |        |                       |                     | D16 Tri-Pyramid                 |                                    |

### OPTIONS

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

### CONTROL <sup>[5]</sup>

- POE PR Power over Ethernet, Platformatics-ready

## NOTES

- <sup>1</sup> Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- <sup>2</sup> Extended lead times may apply. Consult factory for availability.
- <sup>3</sup> Decreases lumen output by 15%
- <sup>4</sup> Only available with D shielding option. See page 3 for DIFFUSE CENTER DECORATIVE INSERT DETAILS.
- <sup>5</sup> See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe).
- <sup>6</sup> 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting. Not available with NEMA F Option.
- <sup>7</sup> Reduces lumen output by 10%.
- <sup>8</sup> Reduces lumen output by 10%.
- <sup>9</sup> Factory-installed. See page 3 for NEMA TYPE “F” INSTALLATION.



# AT2 PoE | tunable WHITE Architectural Surface – Curved Deep Center

## FIXTURE PERFORMANCE DATA

### STANDARD

|     | LED PACKAGE       | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------------|------------------|---------|-----------------|
| 2x2 | P16               | 1698             | 14.4    | 117.9           |
|     | P25               | 2581             | 23.2    | 111.5           |
|     | P52               | 5397             | 46.9    | 115.2           |
| 2x4 | P27               | 2798             | 21.7    | 128.9           |
|     | P58               | 5918             | 47.5    | 124.7           |
|     | P100 <sup>1</sup> | 10250            | 81.2    | 126.3           |

### TUNABLE WHITE

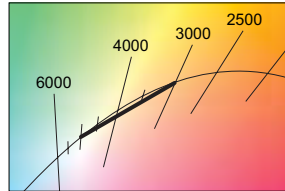
|     | LED PACKAGE       | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------------|------------------|---------|-----------------|
| 2x2 | P16               | 1653             | 15.4    | 107.1           |
|     | P25               | 2582             | 25.1    | 102.9           |
|     | P52               | 5381             | 50.1    | 107.5           |
| 2x4 | P27               | 2771             | 24.2    | 114.4           |
|     | P58               | 5952             | 49.8    | 119.5           |
|     | P100 <sup>1</sup> | 10271            | 95.2    | 107.8           |

### MULTIPLIER TABLE

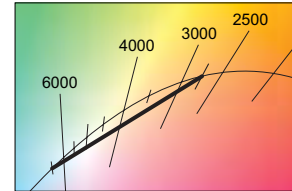
|        | COLOR TEMPERATURE |          |      |      |
|--------|-------------------|----------|------|------|
|        | CCT               | STANDARD | TW   | TW2  |
| 80 CRI | 2700K             | 0.97     | -    | 0.93 |
|        | 3000K             | 0.99     | 0.95 | 0.95 |
|        | 3500K             | 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.
- <sup>1</sup> Fixture contains two nodes, one power drop per node required.

### TW

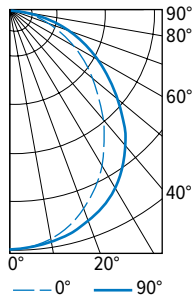


### TW2



## PHOTOMETRY

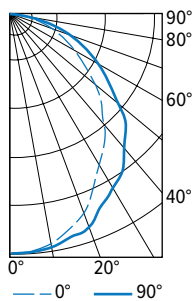
AT2-22-P52/835-D Total Luminaire Output: 5397 lumens; 47 Watts | Efficacy: 115 lm/W | 82 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 2124             | 2124 | 2124 |              |
| 5              | 2120             | 2112 | 2109 | 200          |
| 15             | 2001             | 2007 | 2043 | 568          |
| 25             | 1762             | 1831 | 1915 | 845          |
| 35             | 1478             | 1577 | 1685 | 985          |
| 45             | 1139             | 1240 | 1339 | 959          |
| 55             | 812              | 918  | 986  | 814          |
| 65             | 529              | 619  | 680  | 605          |
| 75             | 269              | 341  | 394  | 346          |
| 85             | 49               | 43   | 41   | 73           |
| 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 1613   | 30        |
|               | 0 - 40  | 2599   | 48        |
|               | 0 - 60  | 4372   | 81        |
|               | 0 - 90  | 5397   | 100       |
|               | 0 - 180 | 5397   | 100       |

AT2-24-P58/835-D Total Luminaire Output: 5918 lumens; 48 Watts | Efficacy: 125 lm/W | 82 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 2358             | 2358 | 2358 |              |
| 5              | 2345             | 2346 | 2348 | 223          |
| 15             | 2213             | 2232 | 2261 | 629          |
| 25             | 1915             | 1977 | 2052 | 914          |
| 35             | 1551             | 1660 | 1769 | 1041         |
| 45             | 1250             | 1397 | 1490 | 1050         |
| 55             | 864              | 1001 | 1065 | 884          |
| 65             | 578              | 706  | 758  | 676          |
| 75             | 301              | 412  | 412  | 403          |
| 85             | 90               | 64   | 60   | 99           |
| 90             | 0                | 0    | 0    |              |

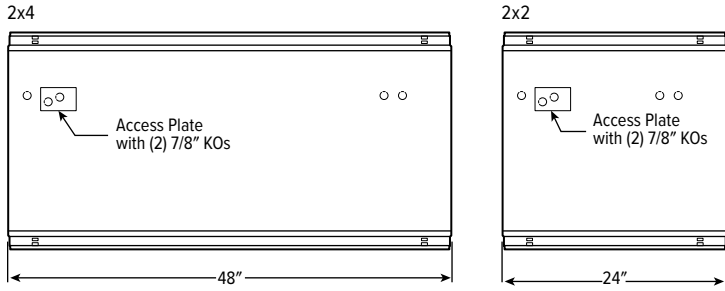
| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 1766   | 30        |
|               | 0 - 40  | 2807   | 47        |
|               | 0 - 60  | 4740   | 80        |
|               | 0 - 90  | 5918   | 100       |
|               | 0 - 180 | 5918   | 100       |



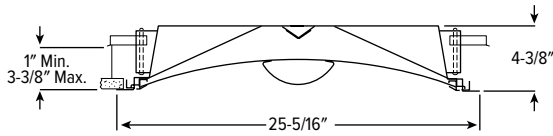
# AT2 PoE | tunable WHITE Architectural Surface – Curved Deep Center

## FIXTURE DETAILS

### BACKVIEW



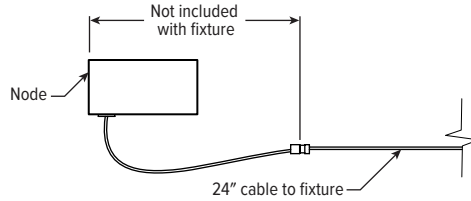
## NEMA TYPE "F" INSTALLATION



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](http://platformatics.com/product/poe-ln2)



## DIFFUSE CENTER DECORATIVE INSERT DETAILS

