

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
- Room-side access
- Ultra slim 2-3/8" for minimal plenum space
- Uniform ambient illumination
- Companion surface and retrofit kit preserve continuity, see hew.com
- Maximize energy savings with efficacies up to 134 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

ORDERING EXAMPLE: PT - 2 4 - P65/835 - RA - OPTIONS - POE PR

ORDERING INFO

| SERIES | WIDTH | LENGTH | LUMENS ^[1] | CRI | CCT | SHIELDING | | | | |
|--------|---------------------|---------------------|-----------------------|---------------------|----------|--|--------------------------------|-------------|--|--|
| PT | 1 1' ^[2] | 2 2' ^[3] | 1x4 | 8 80 | 27 2700K | RA Diffuse ribbed acrylic, round | | | | |
| | | | P21 2,100lm | 9 90 ^[4] | 30 3000K | | | | | |
| | 2 2' | 4 4' | P33 3,300lm | | 35 3500K | SA Diffuse ribbed acrylic, square ^[5] | | | | |
| | | | P65 6,500lm | | 40 4000K | | | | | |
| | 2x2 | | | P22 2,200lm | | 50 5000K | TW Tunable white (3000K-5000K) | | | |
| | | | | P31 3,100lm | | TW2 Tunable white (2700K-6500K) | | | | |
| | | | | P47 4,700lm | | | | | | |
| | | | | 2x4 | | | | P21 2,100lm | | |
| | | | | | | | | P33 3,300lm | | |
| | | | | | | | | P65 6,500lm | | |

SPECIFICATIONS

- HOUSING/REFLECTOR – Precision die-formed 22-gauge C.R.S.
- SHIELDING – Diffuse ribbed acrylic.
- FINISH – Highly reflective non-glare matte 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 board. 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. Drywall kit accessories available for flange applications, shipped separately, see options.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

OPTIONS ^[6]

- EQCLIPS** Earthquake clips ^[8]
- AMW** Anti-microbial white finish
- DFK-1248W** Drywall kit, 12" x 48", white
- DFK-2424W** Drywall kit, 24" x 24", white
- DFK-2448W** Drywall kit, 24" x 48", white

CONTROL ^[7]

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

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/platformatics
- Consult factory for design support

NOTES

- ¹ Lumen output based on 80 CRI, 3000K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² 4' length only.
- ³ 2' width only.
- ⁴ Extended lead times may apply. Consult factory for availability.
- ⁵ Increases lumen output by 3%.
- ⁶ See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁷ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/platformatics.
- ⁸ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.



FIXTURE PERFORMANCE DATA

STANDARD

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 1x4 | P21 | 2143 | 16 | 133.9 |
| | P33 | 3144 | 25 | 125.8 |
| | P65 | 6550 | 50 | 131.0 |
| 2x2 | P22 | 2234 | 17 | 131.4 |
| | P31 | 3140 | 25 | 125.6 |
| | P47 | 4708 | 37 | 127.2 |
| 2x4 | P21 | 2143 | 16 | 133.9 |
| | P31 | 3144 | 25 | 125.8 |
| | P65 | 6550 | 50 | 131.0 |

TUNABLE WHITE

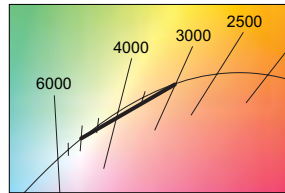
| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 1x4 | P21 | 2207 | 16 | 137.9 |
| | P33 | 3238 | 25 | 129.5 |
| | P65 | 6746 | 50 | 134.9 |
| 2x2 | P22 | 2301 | 17 | 135.4 |
| | P31 | 3234 | 25 | 129.4 |
| | P47 | 4849 | 37 | 131.1 |
| 2x4 | P21 | 2207 | 16 | 137.9 |
| | P31 | 3238 | 25 | 129.5 |
| | P65 | 6746 | 50 | 134.9 |

MULTIPLIER TABLES

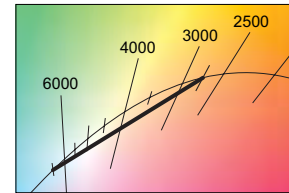
| COLOR TEMPERATURE | | | | |
|-------------------|-------|----------|------|------|
| | CCT | STANDARD | TW | TW2 |
| 80 CRI | 2700K | 0.97 | - | 0.93 |
| | 3000K | 0.99 | 0.95 | 0.95 |
| | 3500K | 1.00 | 0.98 | 0.98 |
| | 4000K | 1.03 | 1.00 | 1.00 |
| | 5000K | 1.06 | 0.96 | 1.02 |
| | 6500K | - |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

TW

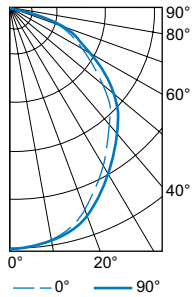


TW2



PHOTOMETRY

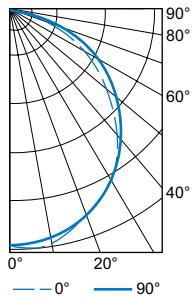
PT-24-P65/835-RA Total Luminaire Output: 6550 lumens; 50 Watts | Efficacy: 131 lm/W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2506 | 2506 | 2506 | |
| 5 | 2468 | 2464 | 2451 | 236 |
| 15 | 2395 | 2403 | 2413 | 673 |
| 25 | 2110 | 2139 | 2165 | 974 |
| 35 | 1706 | 1760 | 1805 | 1098 |
| 45 | 1387 | 1463 | 1538 | 1120 |
| 55 | 1008 | 1104 | 1192 | 990 |
| 65 | 653 | 774 | 879 | 764 |
| 75 | 310 | 475 | 588 | 500 |
| 85 | 63 | 210 | 241 | 196 |
| 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1883 | 29 |
| | 0 - 40 | 2981 | 46 |
| | 0 - 60 | 5091 | 78 |
| | 0 - 90 | 6550 | 100 |
| | 0 - 180 | 6550 | 100 |

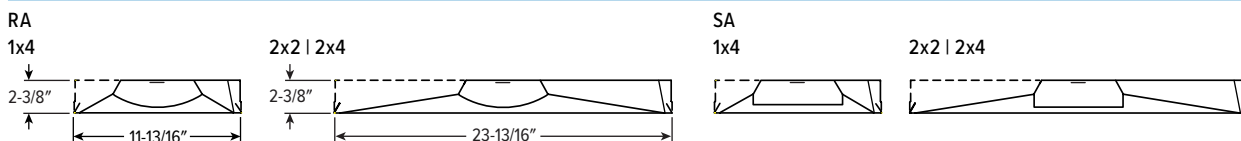
PT-14-P65/835-RA Total Luminaire Output: 6550 lumens; 50 Watts | Efficacy: 131 lm/W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2387 | 2387 | 2387 | |
| 5 | 2441 | 2414 | 2378 | 228 |
| 15 | 2333 | 2327 | 2299 | 653 |
| 25 | 2134 | 2144 | 2119 | 981 |
| 35 | 1857 | 1881 | 1882 | 1166 |
| 45 | 1481 | 1547 | 1569 | 1179 |
| 55 | 1060 | 1165 | 1214 | 1035 |
| 65 | 680 | 806 | 827 | 771 |
| 75 | 302 | 424 | 442 | 430 |
| 85 | 46 | 76 | 90 | 106 |
| 90 | 0 | 0 | 0 | |

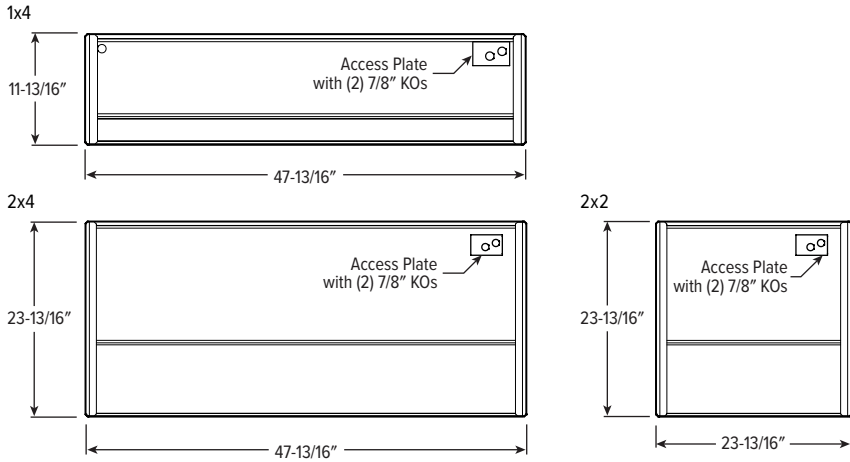
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1863 | 28 |
| | 0 - 40 | 3029 | 46 |
| | 0 - 60 | 5243 | 80 |
| | 0 - 90 | 6550 | 100 |
| | 0 - 180 | 6550 | 100 |

CROSS SECTIONS



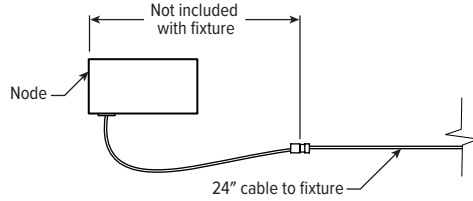
FIXTURE DETAILS

BACKVIEW



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

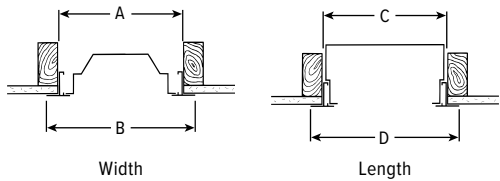


DRYWALL KIT (DFK) OPTIONS

| ORDERING EXAMPLE: DFK - 24 24 W | | | |
|---------------------------------|-----------------|-----------------|---|
| SERIES | WIDTH | LENGTH | FINISH |
| DFK Drywall Kit | See table below | See table below | W White AMW Anti-microbial white |

TYPICAL INSTALLATION

Refer to table for dimensions.



| CATALOG NUMBER | NOMINAL SIZE | ROUGH-IN | | FINISH TRIM SIZE | |
|----------------|--------------|-----------|------------|------------------|------------|
| | | WIDTH (A) | LENGTH (C) | WIDTH (B) | LENGTH (D) |
| DFK-1248 | 1' x 4' | 12-3/8" | 48-3/8" | 13-5/16" | 49-5/16" |
| DFK-2424 | 2' x 2' | 24-3/8" | 24-3/8" | 25-5/16" | 25-5/16" |
| DFK-2448 | 2' x 4' | 24-3/8" | 48-3/8" | 25-5/16" | 49-5/16" |

