

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

**FEATURES**

- Shallow fixture depth for low ceiling applications
- Uniform ambient illumination
- Companion recessed and retrofit kit preserve continuity, see [hew.com](http://hew.com)
- Maximize energy savings with efficacies up to 134 lm/W
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

**SPECIFICATIONS**

- HOUSING – Precision die-formed 20-gauge C.R.S.
- REFLECTOR – Precision die-formed 22-gauge C.R.S. Highly reflective non-glare matte white polyester powder coat.
- SHIELDING – Diffuse ribbed acrylic.
- FINISH – Textured matte white polyester TGIC 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.
- MOUNTING – Surface or suspended.
- LISTINGS – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: PTS - 2 4 - L84/835 - RA - OPTIONS - CONTROL - DIM - UNV**

**ORDERING INFO**

| SERIES | WIDTH               | LENGTH              | LUMENS <sup>(1)</sup> | CRI                 | CCT      | SHIELDING  |
|--------|---------------------|---------------------|-----------------------|---------------------|----------|--|
| PTS    | 1 1' <sup>(2)</sup> | 2 2' <sup>(3)</sup> | 1x4                   | 8 80                | 27 2700K | RA Diffuse ribbed acrylic, round                 |
|        |                     | 4 4'                | L27 2,700lm           | 9 90 <sup>(4)</sup> | 30 3000K | SA Diffuse ribbed acrylic, square <sup>(5)</sup> |
|        | 2 2'                | 2x2                 | L45 4,500lm           |                     | 35 3500K |  |
|        |                     |                     | L26 2,600lm           |                     | 40 4000K |  |
|        |                     |                     | L38 3,800lm           |                     | 50 5000K |  |
|        |                     |                     | L47 4,700lm           |                     |          |  |
|        |                     | 2x4                 | L38 3,800lm           |                     |          |  |
|        |                     |                     | L49 4,900lm           |                     |          |  |
|        |                     |                     | L61 6,100lm           |                     |          |  |
|        |                     |                     | L84 8,400lm           |                     |          |  |

**OPTIONS <sup>(6)</sup>**

- EM/7W** 7-watt emergency LED battery <sup>(8)</sup>
- EM/7WRM** Remote mount 7-watt emergency battery
- EM/10W** 10-watt emergency battery <sup>(9)</sup>
- EM/10WLP** Low-profile 10-watt emergency battery <sup>(10)</sup>
- EM/12W** 12-watt emergency battery <sup>(11)</sup>
- (L\_\_)** Additional lower lumen packages available. Example: 8,000 lumens = PTS-24-L84/835-(L80) <sup>(12)</sup>
- AMW** Anti-microbial white finish

**CONTROL <sup>(7)</sup>**

- None
- VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>(13)</sup>
- VRF** Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>(14)</sup>

**DRIVER <sup>(15)</sup>**

| DRIVER  | VOLTAGE                  |
|---|--------------------------|
| <b>DIM</b> Dimming driver   | 120 120V                 |
| <b>DRV</b> Non-dimming driver   | 277 277V                 |
| <b>DSR</b> Sensor-ready driver without external dimming wires <sup>(16)</sup> | UNV 120-277V             |
|   | 347 347V <sup>(17)</sup> |

**NOTES**

- <sup>1</sup> Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- <sup>2</sup> 4' length only.
- <sup>3</sup> 2' width only.
- <sup>4</sup> Extended lead times may apply. Consult factory for availability.
- <sup>5</sup> Increases lumen output by 3%.
- <sup>6</sup> Suspended mounting available. See page 4 for SUSPENDED MOUNTING DETAILS.
- <sup>7</sup> See page 3 for CONTROL DETAILS.
- <sup>8</sup> 2x2 and 2x4 only.
- <sup>9</sup> 2x2 & 2x4 only.
- <sup>10</sup> 1x4 only.
- <sup>11</sup> 2x2 & 2x4 only.
- <sup>12</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>13</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>14</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>15</sup> See page 3 for ADDITIONAL DRIVER OPTIONS.
- <sup>16</sup> VDO and VRF Controls only.
- <sup>17</sup> Not available with EM batteries.



## FIXTURE PERFORMANCE DATA

|     | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 1x4 | L27         | 2723             | 21.4    | 127.4           |
|     | L45         | 4526             | 33.7    | 134.3           |
| 2x2 | L26         | 2633             | 21.3    | 123.6           |
|     | L38         | 3804             | 32.6    | 116.7           |
|     | L47         | 4708             | 38.1    | 123.4           |
| 2x4 | L38         | 3763             | 31.4    | 119.7           |
|     | L49         | 4928             | 37.2    | 132.6           |
|     | L61         | 6059             | 48.5    | 124.9           |
|     | L84         | 8470             | 68.1    | 124.3           |

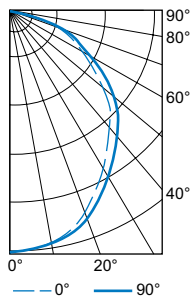
## MULTIPLIER TABLE

|        |       | COLOR TEMPERATURE |                   |
|--------|-------|-------------------|-------------------|
|        |       | CCT               | CONVERSION FACTOR |
| 80 CRI | 2700K |                   | 0.97              |
|        | 3000K |                   | 0.99              |
|        | 3500K |                   | 1.00              |
|        | 4000K |                   | 1.03              |
|        | 5000K |                   | 1.06              |
| 90 CRI | 2700K |                   | 0.82              |
|        | 3000K |                   | 0.83              |
|        | 3500K |                   | 0.84              |
|        | 4000K |                   | 0.86              |
|        | 5000K |                   | 0.90              |

- 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

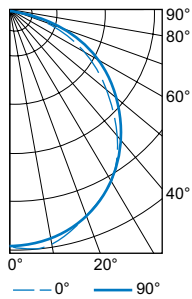
PTS-24-L84/835-RA-DIM-UNV Total Luminaire Output: 8470 lumens; 68.1 Watts | Efficacy: 124 lm/W | 82.7 CRI; 3494K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 3198             | 3198 | 3198 |              |
| 5              | 3182             | 3182 | 3184 | 302          |
| 15             | 2975             | 2988 | 3006 | 852          |
| 25             | 2632             | 2677 | 2715 | 1243         |
| 35             | 2213             | 2296 | 2373 | 1436         |
| 45             | 1800             | 1943 | 2057 | 1477         |
| 55             | 1267             | 1432 | 1571 | 1279         |
| 65             | 822              | 1015 | 1170 | 990          |
| 75             | 381              | 606  | 768  | 640          |
| 85             | 76               | 272  | 319  | 251          |
| 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 2398   | 28        |
|               | 0 - 40  | 3834   | 45        |
|               | 0 - 60  | 6590   | 78        |
|               | 0 - 90  | 8470   | 100       |
|               | 0 - 180 | 8470   | 100       |

PTS-14-L45/835-RA-DIM-UNV Total Luminaire Output: 4526 lumens; 33.7 Watts | Efficacy: 134 lm/W | 84.9 CRI; 3544K CCT



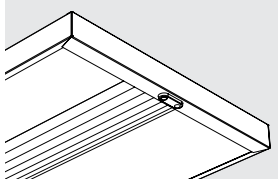
| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 1649             | 1649 | 1649 |              |
| 5              | 1687             | 1668 | 1643 | 158          |
| 15             | 1612             | 1608 | 1588 | 451          |
| 25             | 1475             | 1482 | 1464 | 678          |
| 35             | 1283             | 1300 | 1301 | 806          |
| 45             | 1023             | 1069 | 1084 | 815          |
| 55             | 733              | 805  | 839  | 715          |
| 65             | 470              | 557  | 571  | 532          |
| 75             | 209              | 293  | 305  | 297          |
| 85             | 32               | 53   | 62   | 73           |
| 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 1287   | 28        |
|               | 0 - 40  | 2093   | 46        |
|               | 0 - 60  | 3623   | 80        |
|               | 0 - 90  | 4526   | 100       |
|               | 0 - 180 | 4526   | 100       |



## CONTROL DETAILS

### SENSOR PLACEMENT

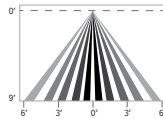


### VDO

| SPECIFICATIONS    |                          |
|-------------------|--------------------------|
| TYPE              | PIR Motion + Daylight    |
| MOUNTING HEIGHT   | 8' – 12'                 |
| DETECTION ANGLE   | 360°                     |
| TEMPERATURE RANGE | 0° to 55°C               |
| RELATIVE HUMIDITY | 0 to 90%, non-condensing |
| COMMISSIONING     | App (iOS or Android)     |
| MANUFACTURER      | Lutron                   |

### SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



### MOTION SENSOR COVERAGE

| CEILING HEIGHT | COVERAGE AREA (SQ FT) |
|----------------|-----------------------|
| 8'             | 114                   |
| 9'             | 144                   |
| 10'            | 178                   |
| 12'            | 256                   |

### VIVE CONTROL OPTIONS

| CATALOG NUMBER | DESCRIPTION   |
|----------------|---|
| VDO            | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver   |
| VRF            | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver  |
| VDO/DBI        | Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver |
| VRF/DBI        | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver                                |

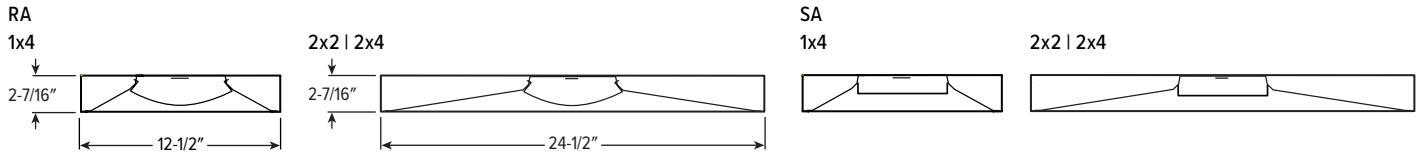
## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

| CATALOG NUMBER  | DESCRIPTION   |
|-----------------|---|
| DRV             | Driver prewired for non-dimming applications  |
| DIM             | Dimming driver prewired for 0-10V low voltage applications                              |
| DIM1            | 1% dimming driver prewired for 0-10V low voltage applications                           |
| DIM LINE        | Line voltage dimming driver (TRIAC and ELV compatible, 120V only)                       |
| DIM TRC         | Line voltage dimming driver (TRIAC compatible, 120V only)                               |
| DSR             | Sensor-ready driver   |
| SD40            | 40% step-dimming driver   |
| SD50            | 50% step-dimming driver   |
| DALI            | DALI dimming driver   |
| LTE LINE        | Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only) |
| LDE1            | Lutron Hi-lume 1% EcoSystem dimming LED driver  |
| ELDO SOLOB      | EldoLED Solodrive, 0.1% dimming driver for 0-10V controls                               |
| ELDO SOLOB DALI | EldoLED Solodrive, 0.1% dimming driver for DALI controls                                |
| ELDO ECO1       | EldoLED Ecodrive, 1% dimming driver for 0-10V controls                                  |
| ELDO ECO1 DALI  | EldoLED Ecodrive, 1% dimming driver for DALI controls                                   |



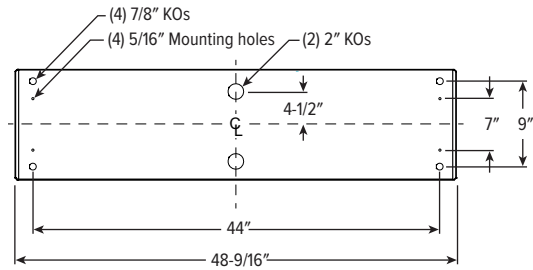
## CROSS SECTIONS



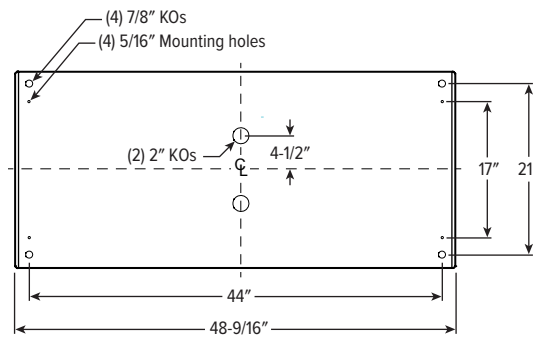
## FIXTURE DETAILS

### BACKVIEW

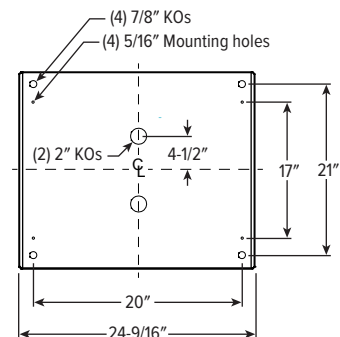
1x4



2x4



2x2



## SUSPENDED MOUNTING DETAILS

### AIRCRAFT CABLE

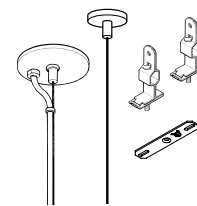
| ORDERING EXAMPLE: ACF*4P/D48 |  |                     |          |
|------------------------------|--|---------------------|----------|
| PREFIX                       | TYPE                                       | LENGTH              |          |
| ACF*4P                       | Four point mount adjustable aircraft cable | D 1" grid & hardpan | 24 24"   |
|                              |  | N 9/16" grid        | 48 48"   |
|                              |  | S Slot grid         | 96 96"   |
|                              |  |                     | 144 144" |
|                              |  |                     | 192 192" |
|                              |  | 240 240"            |          |
|                              |  | 300 300"            |          |

### CORD OPTIONS

Must specify cord when cable mounting. Consult factory for additional options.

| ORDERING EXAMPLE: S4838/W |        |              |              |          |
|---------------------------|--------|--------------|--------------|----------|
| CORD TYPE                 | LENGTH | # CONDUCTORS | WIRE SIZE    | COLOR    |
| S Straight                | 24 24" | 3 3          | 4 No. 14 AWG | /W White |
|                           | 48 48" | 4 4          |              | /B Black |
|                           | 96 96" | 5 5          | 8 No. 18 AWG |          |
|                           |        | 6 6          |              |          |

### STANDARD HARDWARE (Grid & Hardpan)



- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- One 5" canopy used at power feed location to cover the junction box. Three other suspension points use 2" canopy at the non-feed point. No J-box is required at non-feed points.

