

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

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

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

## FEATURES

- Attractive and efficient architectural fixture delivers comfortable, uniform illumination
- Air return capability reduces number of unsightly ceiling vents for a cleaner appearance
- Seamlessly integrate LED to any existing HET project
- Maximize energy savings with efficacies as high as 135 lm/W
- Fully room-side accessible without the use of tools
- Frosted acrylic diffusers combined with highly reflective matte white paint provide high optical efficiencies and visual comfort
- One-piece diffusers eliminate the need for separate overlays
- Companion HES products preserve continuity, see [hew.com](http://hew.com)
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – 22-gauge die-formed C.R.S.
- SHIELDING** – Frosted, 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 boards. Rated for 50,000 hours at 70% lumen maintenance (L70).
- MOUNTING** – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option.
- LISTINGS** – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: HETG - AR24 - L76/835 - A - OPTIONS - DIM - UNV

### ORDERING INFO

| SERIES | CEILING TYPE    | FIXTURE STYLE                     | WIDTH               | LENGTH | LUMENS <sup>[1]</sup> | CRI         | CCT                 |          |          |
|--------|-----------------|-----------------------------------|---------------------|--------|-----------------------|-------------|---------------------|----------|----------|
| HET    | G NEMA Type “G” | AR Air return only <sup>[2]</sup> | 1 1' <sup>[3]</sup> | 2 2'   | 1x4                   | 8 80        | 30 3000K            |          |          |
|        |                 |                                   |                     | 2 2'   | 4 4'                  | L38 3,800lm | 9 90 <sup>[4]</sup> | 35 3500K |          |
|        |                 |                                   |                     |        |                       |             | L69 6,900lm         |          | 40 4000K |
|        |                 |                                   |                     |        |                       |             | 2x2                 |          | 50 5000K |
|        |                 |                                   |                     |        |                       |             | L38 3,800lm         |          |          |
|        |                 |                                   |                     |        |                       |             | L69 6,900lm         |          |          |
|        |                 |                                   |                     |        |                       |             | 2x4                 |          |          |
|        |                 |                                   |                     |        |                       |             | L50 5,000lm         |          |          |
|        |                 |                                   |                     |        |                       |             | L76 7,600lm         |          |          |
|        |                 |                                   |                     |        |                       |             | L130 13,000lm       |          |          |

| SHIELDING                           | OPTIONS <sup>[5]</sup>  | CONTROL <sup>[6]</sup> | VOLTAGE                 |
|-------------------------------------|---|------------------------|-------------------------|
| A Frosted, ribbed acrylic diffusers | EM/10W  | DRV Non-dimming driver | 120 120V                |
|                                     | EQCLIPS (L__)   | DIM Dimming driver     | 277 277V                |
|                                     | 10-watt emergency battery   |                        | UNV 120-277V            |
|                                     | Earthquake clips <sup>[7]</sup>   |                        | 347 347V <sup>[9]</sup> |
|                                     | Additional lower lumen packages available.<br>Example: 6,500 nominal lumens = HETG-AR24-L76/840-A-(L65). <sup>[8]</sup> |                        |                         |

## NOTES

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- Air return through side slots.
- Available in 4' length only.
- Extended lead times may apply. Consult factory for availability.
- See Technical Info for [Power Entry](#) details.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Not available with EM drivers.



## FIXTURE PERFORMANCE DATA

|     | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|-------------|------------------|---------|-----------------|
| 1x4 | L38         | 3868             | 30.7    | 126.0           |
|     | L69         | 6983             | 54.4    | 128.3           |
| 2x2 | L38         | 3825             | 30.7    | 124.6           |
|     | L69         | 6905             | 54.4    | 126.9           |
| 2x4 | L50         | 5114             | 37.7    | 135.8           |
|     | L76         | 7696             | 59.8    | 128.6           |
|     | L130        | 13128            | 98.7    | 133.0           |

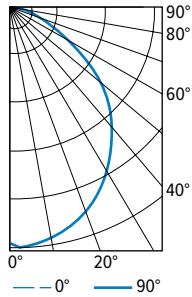
### MULTIPLIER TABLE

|        | COLOR TEMPERATURE |                   |
|--------|-------------------|-------------------|
|        | CCT               | CONVERSION FACTOR |
| 80 CRI | 3000K             | 0.99              |
|        | 3500K             | 1.00              |
|        | 4000K             | 1.03              |
|        | 5000K             | 1.06              |
| 90 CRI | 3000K             | 0.82              |
|        | 3500K             | 0.83              |
|        | 4000K             | 0.86              |
|        | 5000K             | 0.89              |

- 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

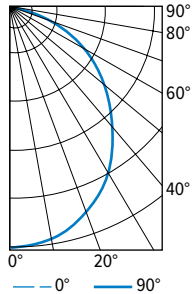
**HETG-AR14-L69/835** Total Luminaire Output: 6905 lumens; 54.4 Watts | Efficacy: 126.9 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
|                          |                | 0°               | 45°  | 90°  |              |
|                          | 0              | 2602             | 2602 | 2602 |              |
|                          | 5              | 2589             | 2588 | 2589 | 246          |
|                          | 15             | 2476             | 2483 | 2502 | 701          |
|                          | 25             | 2250             | 2275 | 2302 | 1048         |
|                          | 35             | 1932             | 1982 | 2032 | 1239         |
|                          | 45             | 1561             | 1637 | 1698 | 1260         |
|                          | 55             | 1165             | 1261 | 1291 | 1111         |
|                          | 65             | 769              | 842  | 797  | 804          |
|                          | 75             | 386              | 410  | 348  | 417          |
|                          | 85             | 79               | 51   | 29   | 79           |
|                          | 90             | 5                | 4    | 4    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 1994   | 29        |
|               | 0 - 40  | 3233   | 47        |
|               | 0 - 60  | 5605   | 81        |
|               | 0 - 90  | 6905   | 100       |
|               | 0 - 180 | 6905   | 100       |

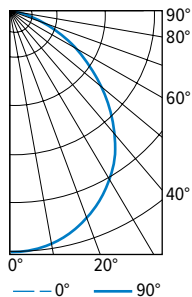
**HETG-AR22-L69/835** Total Luminaire Output: 6984 lumens; 54.4 Watts | Efficacy: 128.4 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
|                          |                | 0°               | 45°  | 90°  |              |
|                          | 0              | 2827             | 2827 | 2827 |              |
|                          | 5              | 2816             | 2819 | 2813 | 267          |
|                          | 15             | 2693             | 2706 | 2722 | 764          |
|                          | 25             | 2424             | 2494 | 2521 | 1144         |
|                          | 35             | 2049             | 2164 | 2237 | 1344         |
|                          | 45             | 1580             | 1743 | 1843 | 1325         |
|                          | 55             | 1065             | 1244 | 1368 | 1094         |
|                          | 65             | 617              | 753  | 714  | 700          |
|                          | 75             | 274              | 300  | 191  | 296          |
|                          | 85             | 45               | 27   | 11   | 50           |
|                          | 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 2175   | 31        |
|               | 0 - 40  | 3519   | 50        |
|               | 0 - 60  | 5937   | 85        |
|               | 0 - 90  | 6984   | 100       |
|               | 0 - 180 | 6984   | 100       |

**HETG-AR24-L130/835** Total Luminaire Output: 13128 lumens; 98.7 Watts | Efficacy: 133.0 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
|                          |                | 0°               | 45°  | 90°  |              |
|                          | 0              | 5229             | 5229 | 5229 |              |
|                          | 5              | 5201             | 5179 | 5180 | 493          |
|                          | 15             | 4985             | 5002 | 4995 | 1408         |
|                          | 25             | 4546             | 4623 | 4638 | 2118         |
|                          | 35             | 3920             | 4000 | 4094 | 2508         |
|                          | 45             | 3021             | 3233 | 3364 | 2474         |
|                          | 55             | 2058             | 2389 | 2505 | 2081         |
|                          | 65             | 1180             | 1505 | 1278 | 1369         |
|                          | 75             | 514              | 599  | 385  | 579          |
|                          | 85             | 86               | 53   | 39   | 97           |
|                          | 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 4019   | 31        |
|               | 0 - 40  | 6527   | 50        |
|               | 0 - 60  | 11082  | 84        |
|               | 0 - 90  | 13128  | 100       |
|               | 0 - 180 | 13128  | 100       |



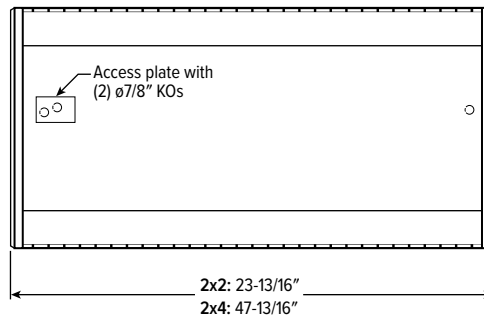
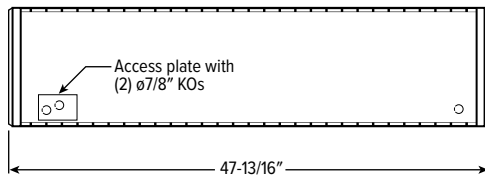
## ADDITIONAL CONTROL OPTIONS

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

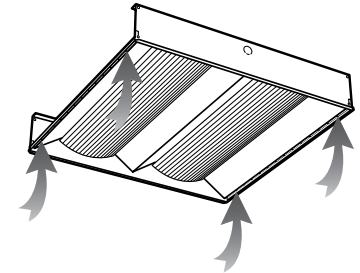
| CATALOG NUMBER  | DESCRIPTION   |
|-----------------|---|
| DRV             | Driver prewired for non-dimming applications  |
| DIM             | Dimming driver prewired for 0-10V low voltage applications                              |
| DIM1            | 1% dimming driver prewired for 0-10V low voltage applications                           |
| DIM LINE        | Line voltage dimming driver (TRIAC and ELV compatible, 120V only)                       |
| DIM TRC         | Line voltage dimming driver (TRIAC compatible, 120V or 277V only)                       |
| 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  |
| LDE5            | Lutron 5-Series 5% 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                                   |

## FIXTURE DETAILS

### BACK VIEWS



### AIR RETURN



## CROSS SECTIONS

