

6PS LED 6" Shallow Plenum Downlight – Square

FIXTURE PERFORMANCE DATA

| LED PACKAGE | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-------------|--------------|------------------|---------|-----------------|
| L10 | W | 1067 | 10.7 | 99.5 |
| | M | 1012 | 10.7 | 94.4 |
| | N | 971 | 10.7 | 90.6 |
| L15 | W | 1643 | 17.2 | 95.4 |
| | M | 1558 | 17.2 | 90.5 |
| | N | 1495 | 17.2 | 86.8 |
| L20 | W | 2139 | 23.5 | 91.1 |
| | M | 2029 | 23.5 | 86.4 |
| | N | 1947 | 23.5 | 82.9 |
| L30 | W | 3222 | 33.2 | 97.0 |
| | M | 3056 | 33.2 | 92.0 |
| | N | 2932 | 33.2 | 88.3 |
| L40 | W | 4509 | 44.5 | 101.3 |
| | M | 4284 | 44.5 | 96.3 |
| | N | 4107 | 44.5 | 92.3 |
| L50 | W | 5387 | 54.7 | 98.6 |

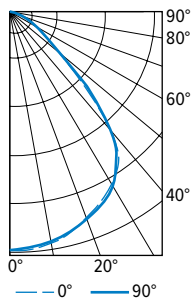
MULTIPLIER TABLES

| COLOR TEMPERATURE | | |
|-------------------|-------|-------------------|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.95 |
| | 3000K | 0.96 |
| | 3500K | 1.00 |
| | 4000K | 1.01 |
| 90 CRI | 2700K | 0.74 |
| | 3000K | 0.85 |
| | 3500K | 0.90 |
| | 4000K | 0.91 |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on L trim type, W distribution and WH finish, 3500K/80CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

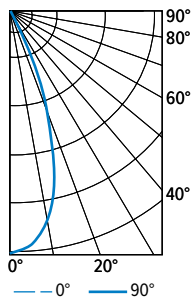
6PS-L40/835-DIM-UNV-LW-OF-WH Report #: 20372; 04/30/18 | Total Luminaire Output: 4509 lumens; 44.5 Watts | Efficacy: 101.3 lm/W | 82.9 CRI; 3419K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 2230 | 2230 | 2230 | |
| | 5 | 2230 | 2218 | 2211 | 212 |
| | 15 | 2150 | 2134 | 2140 | 607 |
| | 25 | 1999 | 1979 | 1995 | 921 |
| | 35 | 1774 | 1772 | 1731 | 1109 |
| | 45 | 1058 | 1336 | 1048 | 915 |
| | 55 | 400 | 627 | 385 | 431 |
| | 65 | 192 | 232 | 193 | 207 |
| | 75 | 84 | 90 | 85 | 92 |
| | 85 | 17 | 15 | 17 | 16 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1739 | 39 |
| | 0 - 40 | 2848 | 63 |
| | 0 - 60 | 4194 | 93 |
| | 0 - 90 | 4509 | 100 |
| | 0 - 180 | 4509 | 100 |

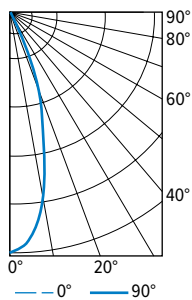
6PS-L40/835-DIM-UNV-LM-OF-WH Report #: 20374; 04/30/18 | Total Luminaire Output: 4284 lumens; 44.5 Watts | Efficacy: 96.3 lm/W | 82.9 CRI; 3419K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 8786 | 8786 | 8786 | |
| | 5 | 8610 | 8552 | 8496 | 816 |
| | 15 | 6039 | 6091 | 6127 | 1724 |
| | 25 | 1971 | 2066 | 2061 | 946 |
| | 35 | 589 | 621 | 623 | 388 |
| | 45 | 247 | 264 | 262 | 201 |
| | 55 | 125 | 139 | 125 | 117 |
| | 65 | 61 | 68 | 61 | 63 |
| | 75 | 25 | 26 | 25 | 27 |
| | 85 | 3 | 4 | 3 | 3 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 3486 | 81 |
| | 0 - 40 | 3874 | 90 |
| | 0 - 60 | 4192 | 98 |
| | 0 - 90 | 4284 | 100 |
| | 0 - 180 | 4284 | 100 |

6PS-L40/835-DIM-UNV-LN-OF-WH Report #: 20375; 04/30/18 | Total Luminaire Output: 4107 lumens; 44.5 Watts | Efficacy: 92.3 lm/W | 82.9 CRI; 3419K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 9954 | 9954 | 9954 | |
| | 5 | 9466 | 9392 | 9386 | 899 |
| | 15 | 5533 | 5584 | 5550 | 1565 |
| | 25 | 1726 | 1843 | 1812 | 838 |
| | 35 | 513 | 540 | 550 | 337 |
| | 45 | 243 | 265 | 262 | 199 |
| | 55 | 151 | 172 | 156 | 145 |
| | 65 | 83 | 93 | 86 | 88 |
| | 75 | 31 | 35 | 31 | 35 |
| | 85 | 2 | 3 | 3 | 3 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 3301 | 80 |
| | 0 - 40 | 3638 | 89 |
| | 0 - 60 | 3981 | 97 |
| | 0 - 90 | 4107 | 100 |
| | 0 - 180 | 4107 | 100 |



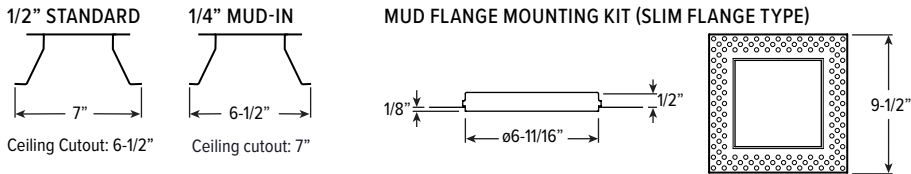
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ADDITIONAL DRIVER OPTIONS

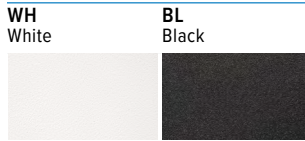
Lumen restrictions apply: L30 max for DMX driver, L30 max for Lutron drivers. 347V may require stepdown transformer, see product builder at hew.com.

| CATALOG NUMBER | DESCRIPTION |
|------------------------|--|
| DIM | Dimming driver prewired for 0-10V low voltage applications |
| DIM1 | 1% dimming driver prewired for 0-10V low voltage applications |
| DMX | 0.1% dimming driver for DMX controls |
| LTE LINE | Lutron Hi-Lume® A-Series 1% dimming driver for forward phase line voltage controls (120V only) |
| LDE1 | Lutron EcoSystem® H-Series 1% dimming driver for EcoSystem® controls |
| LDE5 | Lutron EcoSystem® 5-Series 5% dimming driver for EcoSystem® controls |
| 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 |

FLANGE TYPE DETAILS

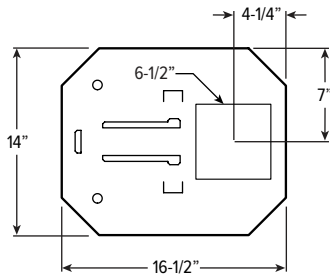


REFLECTOR FINISH DETAILS

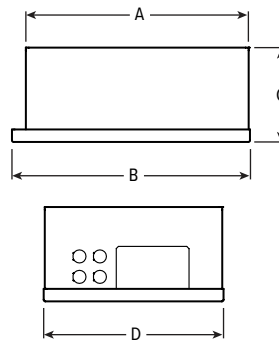


MOUNTING TYPE DETAILS

NEW CONSTRUCTION

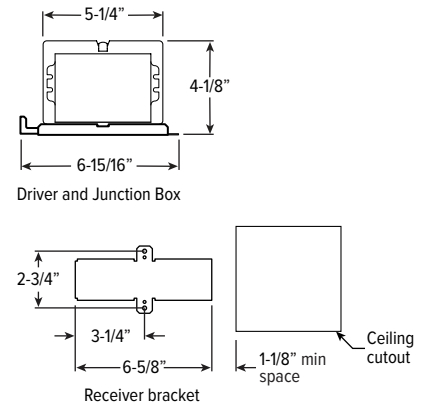


IC-RATED



| LUMENS | LENGTH | | | |
|-----------|----------|-----|--------|---------|
| | A | B | C | D |
| L10 - L20 | 15-3/16" | 16" | 4-1/2" | 12-1/8" |
| L30 | 15-3/16" | 16" | 6-3/8" | 12-1/8" |

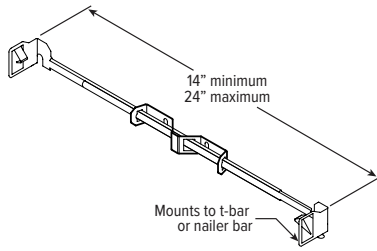
REMODEL



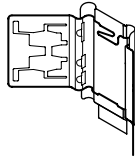
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MOUNTING HARDWARE DETAILS

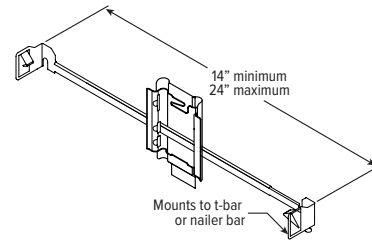
F1 2-Position fixed pan bracket, universal bar hanger included



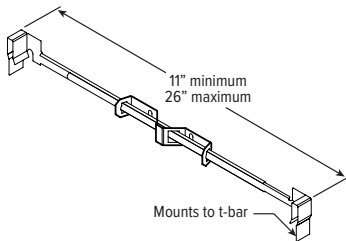
BA1 Adjustable butterfly pan bracket, bar hanger not included



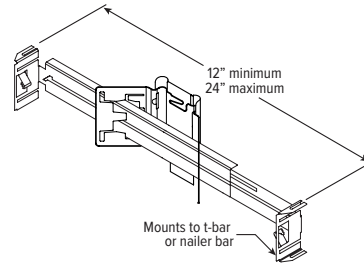
CA1 Adjustable caterpillar pan bracket, universal bar hanger included



F2 2-Position fixed pan bracket, t-bar bar hanger included



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included



CA2 Adjustable caterpillar pan bracket, t-bar hanger included

