

V6DR LED 6" Vandal-Resistant Downlight – Round

FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

| | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|--------------|------------------|---------|-----------------|
| L8 | W | 774 | 8.7 | 89.2 |
| | M | 910 | 8.7 | 104.9 |
| | N | 909 | 8.7 | 104.8 |
| L12 | W | 1178 | 13.8 | 85.4 |
| | M | 1385 | 13.8 | 100.4 |
| | N | 1384 | 13.8 | 100.4 |
| L16 | W | 1561 | 19.1 | 81.7 |
| | M | 1837 | 19.1 | 96.1 |
| | N | 1836 | 19.1 | 96.2 |
| L23 | W | 2335 | 26.9 | 86.9 |
| | M | 2782 | 26.9 | 103.6 |
| | N | 2718 | 26.9 | 101.2 |
| L31 | W | 3122 | 36.5 | 85.5 |
| | M | 3720 | 36.4 | 102.2 |
| | N | 3635 | 36.4 | 99.9 |
| L38 | W | 3824 | 43.9 | 87.0 |
| | M | - | - | - |
| | N | - | - | - |
| L46 | W | 4609 | 54.0 | 85.4 |
| | M | - | - | - |
| | N | - | - | - |
| L53 | W | 5345 | 67.8 | 78.8 |
| | M | - | - | - |
| | N | - | - | - |
| L61 | W | 6115 | 79.8 | 76.7 |
| | M | - | - | - |
| | N | - | - | - |

REGRESSED LENS TRIM TYPE

| | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|--------------|------------------|---------|-----------------|
| L8 | W | 716 | 8.7 | 82.5 |
| | M | 883 | 8.7 | 101.7 |
| | N | 897 | 8.7 | 103.4 |
| L12 | W | 1090 | 13.8 | 79.0 |
| | M | 1344 | 13.8 | 97.4 |
| | N | 1366 | 13.8 | 99.1 |
| L16 | W | 1445 | 19.5 | 74.1 |
| | M | 1782 | 19.1 | 93.3 |
| | N | 1812 | 19.5 | 92.9 |
| L23 | W | 2160 | 26.9 | 80.4 |
| | M | 2699 | 26.9 | 100.5 |
| | N | 2683 | 26.9 | 99.9 |
| L31 | W | 2889 | 36.5 | 79.1 |
| | M | 3609 | 36.4 | 99.1 |
| | N | 3587 | 36.4 | 98.6 |
| L38 | W | 3537 | 43.9 | 80.5 |
| | M | - | - | - |
| | N | - | - | - |
| L46 | W | 4264 | 54.0 | 79.0 |
| | M | - | - | - |
| | N | - | - | - |
| L53 | W | 4945 | 67.8 | 72.9 |
| | M | - | - | - |
| | N | - | - | - |
| L61 | W | 5657 | 79.8 | 70.9 |
| | M | - | - | - |
| | N | - | - | - |

MULTIPLIER TABLES

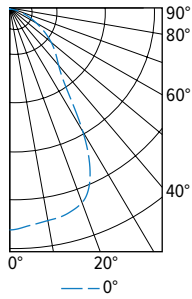
| | COLOR TEMPERATURE | |
|--------|-------------------|-------------------|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.92 |
| | 3000K | 0.98 |
| | 3500K | 1.00 |
| | 4000K | 1.01 |
| | 5000K | 1.02 |
| 90 CRI | 2700K | 0.76 |
| | 3000K | 0.79 |
| | 3500K | 0.82 |
| | 4000K | 0.84 |
| | 5000K | 0.88 |

| TRIM | |
|----------------|-------------------|
| CATALOG NUMBER | CONVERSION FACTOR |
| AD | 0.85 |
| PD | 0.85 |

- 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 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

PHOTOMETRY

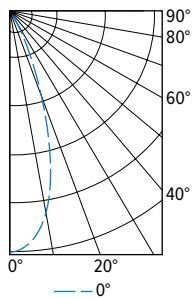
V6DR-L16/835-DIM-UNV-LW-OF-WH Total Luminaire Output: 1561 lumens; 19.1 Watts | Efficacy: 81.7 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 993 | |
| | 5 | 978 | 69 |
| | 15 | 954 | 155 |
| | 25 | 823 | 185 |
| | 35 | 420 | 123 |
| | 45 | 281 | 105 |
| | 55 | 190 | 77 |
| | 65 | 106 | 45 |
| | 75 | 47 | 20 |
| | 85 | 10 | 2 |
| | 90 | 1 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1005 | 64 |
| | 0 - 60 | 1392 | 89 |
| | 0 - 90 | 1561 | 100 |
| | 0 - 180 | 1561 | 100 |

V6DR-L16/835-DIM-UNV-LM-OF-WH Total Luminaire Output: 1837 lumens; 19.1 Watts | Efficacy: 96.1 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 4338 | |
| | 5 | 4168 | 281 |
| | 15 | 2728 | 354 |
| | 25 | 847 | 153 |
| | 35 | 222 | 56 |
| | 45 | 89 | 31 |
| | 55 | 53 | 22 |
| | 65 | 32 | 14 |
| | 75 | 16 | 7 |
| | 85 | 4 | 1 |
| | 90 | 0 | |

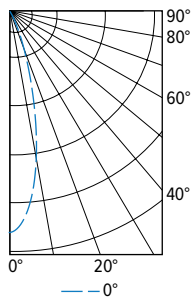
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1667 | 91 |
| | 0 - 60 | 1785 | 97 |
| | 0 - 90 | 1837 | 100 |
| | 0 - 180 | 1837 | 100 |



V6DR LED

6" Vandal-Resistant Downlight – Round

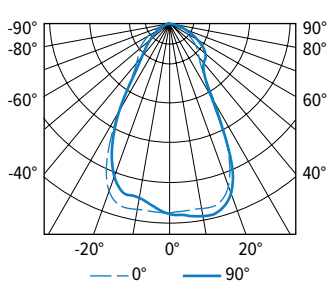
V6DR-L16/835-DIM-UNV-LN-OF-WH Total Luminaire Output: 1836 lumens; 19.1 Watts | Efficacy: 96.2 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 6867 | |
| | 5 | 6215 | 384 |
| | 15 | 2669 | 315 |
| | 25 | 634 | 112 |
| | 35 | 165 | 43 |
| | 45 | 75 | 26 |
| | 55 | 44 | 18 |
| | 65 | 27 | 12 |
| | 75 | 13 | 6 |
| | 85 | 3 | 1 |
| | 90 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1693 | 91 |
| | 0 - 60 | 1792 | 98 |
| | 0 - 90 | 1836 | 100 |
| | 0 - 180 | 1836 | 100 |

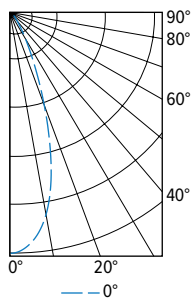
V6DR-L16/835-DIM-UNV-AWW-OF-WH Total Luminaire Output: 1089 lumens; 19.1 Watts | Efficacy: 57.0 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|-----|-----|------|------|--------------|
| | | 0° | 45° | 90° | 135° | 180° | |
| | 0 | 843 | 843 | 843 | 843 | 843 | |
| | 5 | 853 | 850 | 836 | 818 | 810 | 59 |
| | 15 | 858 | 836 | 830 | 791 | 772 | 130 |
| | 25 | 620 | 576 | 608 | 610 | 568 | 123 |
| | 35 | 269 | 256 | 259 | 270 | 231 | 76 |
| | 45 | 224 | 208 | 180 | 148 | 128 | 67 |
| | 55 | 183 | 162 | 123 | 84 | 67 | 50 |
| | 65 | 114 | 95 | 63 | 37 | 25 | 27 |
| | 75 | 55 | 40 | 21 | 11 | 10 | 10 |
| | 85 | 11 | 6 | 3 | 3 | 2 | 1 |
| | 90 | 0 | 0 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 742 | 68 |
| | 0 - 60 | 990 | 91 |
| | 0 - 90 | 1088 | 100 |
| | 0 - 180 | 1089 | 100 |

V6DR-L16/835-DIM-UNV-RM-OF-WH Total Luminaire Output: 1782 lumens; 19.1 Watts | Efficacy: 93.3 lm/W | 80 CRI; 3500K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 4313 | |
| | 5 | 4131 | 277 |
| | 15 | 2669 | 346 |
| | 25 | 846 | 155 |
| | 35 | 225 | 55 |
| | 45 | 76 | 26 |
| | 55 | 41 | 17 |
| | 65 | 23 | 10 |
| | 75 | 10 | 4 |
| | 85 | 3 | 1 |
| | 90 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1648 | 93 |
| | 0 - 60 | 1746 | 98 |
| | 0 - 90 | 1782 | 100 |
| | 0 - 180 | 1782 | 100 |

ADDITIONAL CONTROL OPTIONS

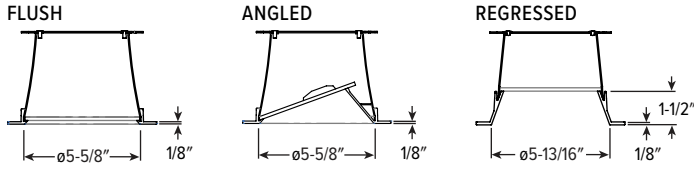
Lumen restrictions apply: L31 max for DMX driver, L31 max for Lutron drivers, L38 max for ELDO drivers. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

| CATALOG NUMBER | DESCRIPTION |
|-----------------|---|
| 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 at 120V only) |
| DMX | 0.1% dimming driver for DMX controls |
| 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 |
| VRF/DSR | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver |
| VRF/DBI/LDE1 | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface |
| VRF/DBI/LDE5 | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface |
| FCJS/DIM | Lutron Vive PowPak wireless fixture control with dimming driver |
| FCJS/DIM1 | Lutron Vive PowPak wireless fixture control with 1% dimming 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 |

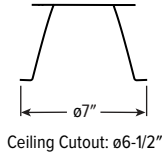


V6DR LED 6" Vandal-Resistant Downlight – Round

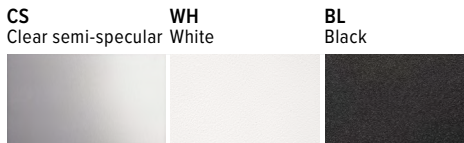
TRIM TYPE DETAILS



FLANGE TYPE DETAILS

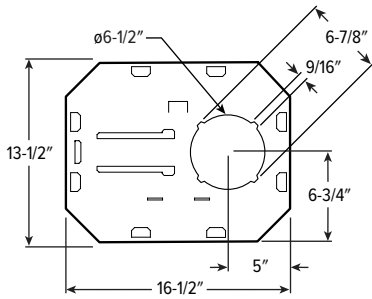


REFLECTOR FINISH DETAILS

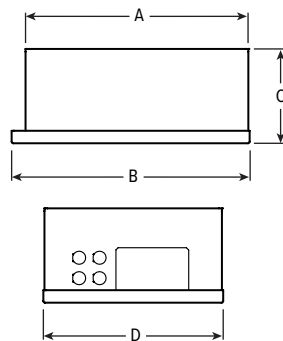


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



IC-RATED



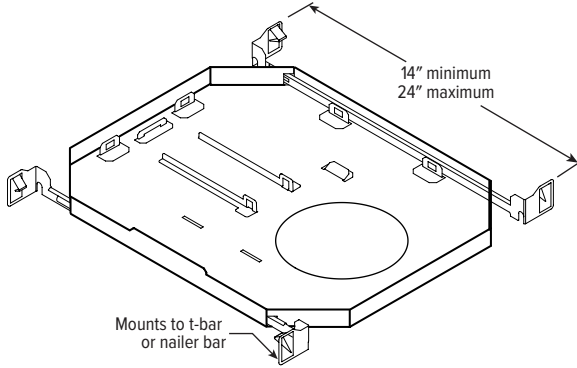
| LUMENS | LENGTH | | | |
|----------|----------|---------|--------|---------|
| | A | B | C | D |
| L8 - L16 | 15-3/16" | 16" | 6-3/8" | 12-1/8" |
| L23 | 16-5/8" | 17-1/2" | 7-7/8" | 14" |



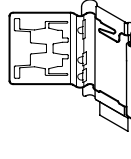
V6DR^{LED} 6" Vandal-Resistant Downlight – Round

MOUNTING HARDWARE DETAILS

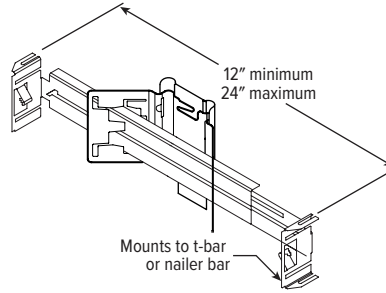
F1 Integral 2-position fixed pan bracket, universal bar hanger included



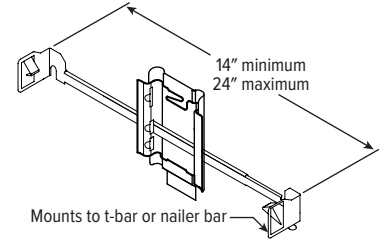
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

