

| CATALOG #: | |
|------------|--|
| | |
| | |
| | |
| TYPE: | |
| | |
| PROJECT: | |











LW - OF - WH - TRIM OPTIONS ORDERING EXAMPLE: V4DR - L14/835 - OPTIONS - CONTROL/DIM - UNV - HOUSING -TRIM

HOUSING

| SERIES | LUMENS [1] | CRI | CCT | OPTIONS | S | CONTRO | L | DRIV | 'ER | VOLTAGE |
|--------|--|---------------------|--|------------------------------|--|--------------|---|------|--|-------------------------------|
| V4DR | L7 700lm [2] L10 1,000lm L14 1,400lm L20 2,000lm L27 2,700lm L34 3,400lm L37 3,700lm | 9 90 ^[3] | 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K | ATH F EM/7W EM/10W CP SDT TC | Airtight construction Fuse 7-watt emergency battery ^[4] 10-watt emergency battery ^[5] Chicago plenum (CCEA) ^[6] Stepdown transformer ^[7] Thick ceiling construction ^[8] | CONTROI – | 5 for ADDITIONAL //DRIVER OPTIONS. None Avi-on wireless fixture control ^[9] Lutron Athena wireless node integral fixture control, RF only ^[10] | COŃ: | page 5 for ADDITIONAL TROL/DRIVER OPTIONS. Dimming driver, 0-10V 1% Dimming driver, 0-10V Driver with 12V auxiliary power, without external dimming wires [11] | UNV 120-277V 347 347V [12] |

| TRIM TYPE | DIS | TRIBUTION [13] | FLANGE TYPE | REF | LECTOR FINISH | TRIM O | PTIONS |
|----------------------------------|-------------|--|-------------------------|----------------------|---|-----------------|--|
| L Flush lens R Regressed lens | W M N | Wide 50° Flush 50° Regressed Medium ^[14] 35° Flush 30° Regressed Narrow ^[15] 25° Flush 25° Regressed | OF 1/2" standard flange | WH CS BL MB | White texture powder coat Clear semi-specular powder coat Black texture powder coat | MWT IP PD | Textured white trim flange ^[17] IP65 rated trim Diffuse 1/8" polycarbonate lens ^[18] Wet location, covered ceiling listed Anti-microbial ^[19] |

MOUNTING

MOUNTING TYPE [20]

N Open pan for new construction

I IC-rated enclosure for new construction [22]

MOUNTING HARDWARE [21]

- Integral 2-position fixed pan bracket, universal bar hanger included [23]
- BA1 Adjustable butterfly pan bracket, bar hanger not included [24]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included [25]

ACCESSORIES

TPTX-10 TOOL T10 torx bit 1/4" drive tamper-resistant tool. [26]

NOTES

- Lumen output based on L trim type, W distribution, WH finish, 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Not available with EM/10W emergency batteries.

- Extended lead times may apply. Consult factory for availability.

 Specify CEC in the option code when California Energy Commission regulations are required.

 Specify CEC in the option code when California Energy Commission regulations are required.
- I Mounting Type required.

 May be required for 347V, see product builder at hew.com/product-builder.
- Required for ceiling thicknesses greater than 1-1/4" DA Driver only. See page 5 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- DA Driver only.
 Avi-on and Lutron Athena Controls only.
- Not available with EM batteries, DA, or DMX drivers.
 Beam angle based on WH reflector finish.
 Not available with L34 and L37 lumen packages.

- Not available with L34 and L37 lumen packages.
 R Trim Type only. Not available with MWT.
 Not available with WH Reflector Finish or L Trim Type.

- Not available with which reflector finishes only.
 W distribution only.
 WH and BL Reflector Finishes only.
 Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
 Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- 22 L14 lumen package max. L20 available, W distribution only. Not available with EM batteries.
 23 I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.
 N Mounting Type only.
 Tamper-resistant tool must be ordered separately. Please specify quantity required per project.

FEATURES

- Ideal for schools, behavioral health facilities, correctional institutions, and other vandal-prone areas
- Anti-ligature design with tamper-resistant fasteners
- Accepted by the New York State Office of Mental Health for use in inpatient facilities
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Beam angles ranging from 25° narrow to 50° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Die-cast trim choices include flush or regressed lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses
- Wireless in-fixture control solutions available

SPECIFICATIONS

- HOUSING Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms field adjust for ceiling thickness from 1/2" - 1-7/8" max. TC option required for ceiling thicknesses greater than 1-1/4".
- LENSED TRIM Die-cast aluminum frame with 1/8" microprismatic, polycarbonate lens with 1/8" clear polycarbonate underlay. Trim is secured with four stainless steel, tamperresistant screws.
- ELECTRICAL High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000
- MOUNTING Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Minimum 24" O.C. marked spacing required for L34 and L37 lumen packages

- LISTINGS
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for dry and damp locations. LED light assembly conforms to UL 2108 for remote installation.
 - Suitable for wet location under covered ceiling when specified with WET/CC option.
- IC-rated for direct contact with insulation when specified with I Mounting Type
- ISO 5, Class 100 rated.
- City of Chicago Environmental Air approved when specified with CP option.
- Complies with ASTM-E283 when specified with ATH option.
- RoHS compliant.
- Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa
- $WARRANTY-5-year\ limited\ warranty,\ see$ hew.com/warranty

FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

| | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (Im/W) |
|-----|--------------|------------------|---------|-----------------|
| | W | 674 | 10.7 | 63 |
| [7 | М | 895 | 10.7 | 84 |
| | N | 914 | 10.7 | 85 |
| | W | 994 | 16.1 | 62 |
| 12 | М | 1319 | 16.1 | 82 |
| | N | 1347 | 16.1 | 84 |
| | W | 1352 | 21.7 | 62 |
| 114 | М | 1794 | 21.7 | 83 |
| | N | 1833 | 21.7 | 85 |
| | W | 2022 | 31.1 | 65 |
| L20 | М | 2683 | 31.1 | 86 |
| | N | 2741 | 31.1 | 88 |
| | W | 2695 | 44.2 | 61 |
| 127 | М | 3577 | 44.2 | 81 |
| | N | 3654 | 44.2 | 83 |
| | W | 3364 | 51.4 | 65 |
| L34 | М | _ | - | _ |
| | N | _ | - | _ |
| | W | 3678 | 58.6 | 63 |
| L37 | М | _ | - | _ |
| | N | _ | - | - |

REGRESSED LENS TRIM TYPE

| | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (Im/W) |
|-----|--------------|------------------|---------|-----------------|
| | W | 660 | 10.7 | 62 |
| 7 | M | 895 | 10.7 | 84 |
| | N | 882 | 10.7 | 82 |
| | W | 972 | 16.1 | 60 |
| 19 | M | 1319 | 16.1 | 82 |
| | N | 1300 | 16.1 | 81 |
| | W | 1232 | 21.7 | 57 |
| 114 | M | 1795 | 21.7 | 83 |
| | N | 1769 | 21.7 | 82 |
| | W | 1979 | 31.1 | 64 |
| L20 | M | 2685 | 31.1 | 86 |
| | N | 2646 | 31.1 | 85 |
| | W | 2638 | 44.2 | 60 |
| 127 | M | 3579 | 44.2 | 81 |
| | N | 3527 | 44.2 | 80 |
| | W | 3292 | 51.4 | 64 |
| L34 | M | - | - | ı |
| | N | - | - | ı |
| | W | 3599 | 58.6 | 61 |
| L37 | M | _ | _ | _ |
| | N | - | _ | _ |

MULTIPLIER TABLES

| | COLOR TEMPERATURE | | | | | | |
|--------|-------------------|-------------------|--|--|--|--|--|
| | CCT | CONVERSION FACTOR | | | | | |
| | 2700K | 0.92 | | | | | |
| ≂ | 3000K | 0.98 | | | | | |
| 80 CRI | 3500K | 1.00 | | | | | |
| ∞ | 4000K | 1.01 | | | | | |
| | 5000K | 1.02 | | | | | |
| | 2700K | 0.76 | | | | | |
| ~ | 3000K | 0.79 | | | | | |
| 90 CRI | 3500K | 0.82 | | | | | |
| 6 | 4000K | 0.84 | | | | | |
| | 5000K | 0.88 | | | | | |

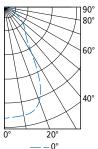
| TRIM | | | | |
|----------------------------------|------|--|--|--|
| CATALOG CONVERSION NUMBER FACTOR | | | | |
| PD | 0.85 | | | |

| | REFLECTOR FINISH | | | | | | |
|--------|----------------------------------|------|--|--|--|--|--|
| | CATALOG CONVERSION NUMBER FACTOR | | | | | | |
| _ | WH | 1.00 | | | | | |
| R TRIM | BL | 0.79 | | | | | |
| 2 | CS | 0.98 | | | | | |

- Photometrics tested in accordance with IESNA LM-79. Results based on L trim type, W distribution, WH finish, 80 CRI/3500K CCT, wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

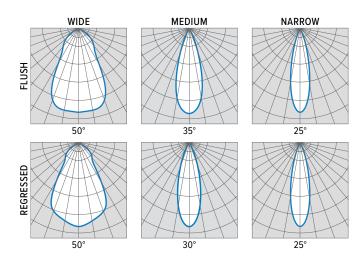
PHOTOMETRY

V4DR-L14/835-DIM-UNV-LW-OF-WH Total Luminaire Output: 1352 lumens; 21.7 Watts | Efficacy: 62.3 lm/W | 80CRl; 3500K CCT

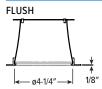


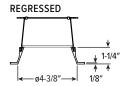
| | or introduce zaminano outputi 1002 tameno, 2117 matto / 21110a | | | | | | |
|--------------------------|--|---------------------|--------------|--|--|--|--|
| | VERTICAL ANGLE | HORIZONTAL ANGLE 0° | ZONAL LUMENS | | | | |
| 8 | 0 | 950 | | | | | |
| CANDLEPOWER DISTRIBUTION | 5 | 943 | 67 | | | | |
| | 15 | 925 | 148 | | | | |
| <u> </u> | 25 | 722 | 153 | | | | |
| | 35 | 336 | 101 | | | | |
| 8 | 45 | 241 | 90 | | | | |
| 픖 | 55 | 161 | 65 | | | | |
| 릴 | 65 | 87 | 37 | | | | |
| 징 | 75 | 37 | 15 | | | | |
| | 85 | 7 | 1 | | | | |
| | 90 | 0 | | | | | |

| SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------|--------|--------|-----------|
| ξ | 0 - 40 | 887 | 66 |
| S | 0 - 60 | 1217 | 90 |
| LUMEN | 0 - 90 | 1352 | 100 |
| 3 | 0-180 | 1352 | 100 |



TRIM TYPE DETAILS





FLANGE TYPE DETAILS

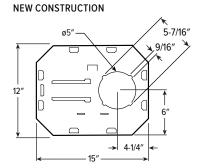


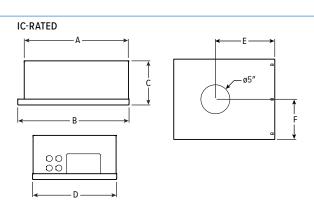
Ceiling Cutout: ø5"

REFLECTOR FINISH DETAILS

CS WH Clear semi-specular White **BL** Black

MOUNTING TYPE DETAILS

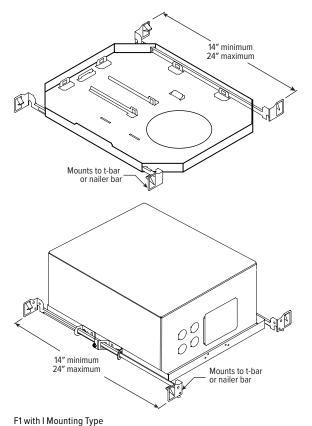




| | LENGTH | | | | | |
|----------|----------|---------|--------|---------|---------|---------|
| LUMENS | Α | В | С | D | E | F |
| L7 - L14 | 15-3/16" | 16" | 6-3/8" | 12-1/8" | 9-1/2" | 6-1/16" |
| L20 | 16-5/8" | 17-1/2" | 7-7/8" | 14" | 10-1/4" | 7" |

MOUNTING HARDWARE DETAILS

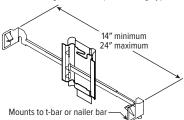
Integral 2-position fixed pan bracket, universal bar hanger included



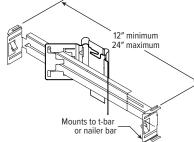
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



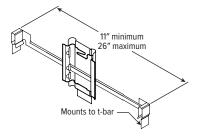
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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



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



SEE NEXT PAGE FOR CONTROL DETAILS.

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.







Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS





Remote Management & Monitoring



Remote Access Bridge





Ceiling Sensors

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ACCESSORIES

| WALL | STAT | IONS |
|------|------|------|
| | | |

AVI-2401AC Scene controller - numbered 1-4, 120-277VAC AVI-2402BAT Scene controller - numbered 1-4, battery powered AVI-2401AC-2 Dimmer with presets - percentages, 120-277VAC AVI-2402BAT-2 Dimmer with presets - percentages, battery powered On/off/dimming, 120-277VAC AVI-2401AC-3

AVI-2402BAT-3 On/off/dimming, battery powered

For load controllers and additional accessory info, see hew.com/avi-on

NETWORK

AVI-RAB-ITF Remote access bridge - LTE connection AVI-2001RAB-01-C Remote access bridge - Wifi connection AVI-KIT-NTM Network time manager with battery backup

CEILING MOUNT SENSORS

AVI-KIT-SEN-DUCM PIR motion and ultrasonic sensor kit AVI-KIT-SEN-ICM PIR motion and photocell sensor kit

ADDITIONAL CONTROL/DRIVER OPTIONS

Lumen restrictions apply: L27 max for DMX driver, L27 max for Lutron drivers. L34 max for DALI driver. 347V may require stepdown transformer, see product builder at hew.com/product-builder. I Mounting Type not available with Lutron controls.

| CATALOG NUMBER | DESCRIPTION |
|----------------|--|
| AVI-LVFA/DA | Avi-on wireless fixture control for use with driver with 12V auxiliary power |
| AWNR/DA | Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power |
| VRF/DBI/LDE1 | Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, with Lutron Hi-lume 1% EcoSystem dimming LED driver |
| FCJS/DIM | Lutron Vive PowPak wireless fixture control with dimming driver |
| FCJS/DIM1 | Lutron Vive PowPak wireless fixture control with 1% dimming driver |
| 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) |
| DALI | DALI dimming driver |
| DMX | 0.1% dimming driver for DMX controls |
| LDE1 | Lutron Hi-lume 1% EcoSystem dimming LED driver |