

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Small fixture profile allows inconspicuous placement in confined spaces
- Round and square lenses provide a clean look for architectural environments
- Row applications produce continuous light with minimal interruption
- Diffuse acrylic lens enhances uniformity and minimizes glare
- Variety of mounting accessories for surface and suspended applications
- Special reflectors are available to provide precise light distribution
- HE option delivers superior efficacies up to 182 lm/W
- Optional wireguard provides added protection
- Available on QuickShip at hew.com/75R_quickship.pdf and hew.com/75S_quickship.pdf
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 22-gauge die-formed C.R.S.
- SHIELDING – Diffuse acrylic lens. Frosted polycarbonate available for 75R, specify FP Option.
- FINISH – 92% minimum average reflective 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 board. L70 > 72,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 25°C maximum ambient operating temperature, 50°C max with HA50 Option. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Surface (ceiling or wall) or suspended (hanging hardware required).
- LISTINGS –
 - cETLus conforms to UL STD 1598. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations
 - UL 924 available, see Options.
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at designlights.org/QPL
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: 75R - 4 - L85/835 - OPTIONS - CONTROL/DIM - UNV

| SERIES | LENGTH | LUMENS ^[1] | | | | CRI | CCT |
|-----------------|---------------------------|-----------------------|-------------|-----------------|-----------------|------|-----------------------------|
| 75R Round lens | 2' 22-1/2" | 2' | 3' | 4' | 8' | 8 80 | 27 2700K |
| | 3' 33-9/16" | L15 1,500lm | L40 4,000lm | L30 3,000lm | L60 6,000lm | 9 90 | 30 3000K |
| 75S Square lens | 4' 44-5/8" | L25 2,500lm | L64 6,400lm | L50 5,000lm | L100 10,000lm | 35 | 3500K |
| | 8' 89-1/4" ^[2] | Single CCT only | | Single CCT only | Single CCT only | 40 | 4000K |
| | | L32 3,200lm | L42 4,200lm | L65 6,500lm | L130 13,000lm | 50 | 5000K |
| | | | | L85 8,500lm | L170 17,000lm | TW | Tunable white (3000K-5000K) |
| | | | | L100 10,000lm | L200 20,000lm | TW2 | Tunable white (2700K-6500K) |

OPTIONS^[3]

See page 3 for **FINISH OPTIONS**. See page 3 for **SPECIAL REFLECTOR OPTIONS**. See page 3 for **QUICK-CONNECT OPTIONS**.

| | |
|--------------|---|
| EM/10LWP | Low-profile 10-watt emergency battery ^[4] |
| EM/10WRM | Remote mount 10-watt emergency battery |
| EM/10WRM/RTS | Remote mount 10-watt emergency battery with regressed test switch |
| HE | High efficacy lumen package ^[5] |
| HA | High ambient operating temperature, 40°C ^[6] |
| HA50 | High ambient operating temperature, 50°C ^[7] |
| WG-75 | 11-gauge white powder coat wireguard ^[8] |
| 315 | 1-1/2" ceiling spacer |
| VBY | (2) Y-hangers |
| VBY-2 | (2) Y-hangers with 2' chains |
| RA-75 | Row aligner ^[9] |
| 45AMB | (2) 45° adjustable mounting brackets ^[10] |

FP Frosted polycarbonate lens for 75R
(L_) Additional lower lumen packages available^[11]
Example: 7,000 nominal lumens = 75R-4-L85/835-(L70)

QC Quick-connect wiring harness
GEN Approved for UL 924 emergency generator circuit through-feed wiring^[12]
SP1 10kV surge protection, 120 or 277V
SP2 10kV surge protection, 208 or 240V
SP3 10kV surge protection, 347V

AIRCRAFT CABLES (EXAMPLE: ACF/D48)^[13]

| Prefix | Type | Length |
|--------|--------|----------------------------|
| ACF/ | Feeder | D 1" grid & hardpan 24 24" |
| ACJ/ | Joiner | N 9/16" grid 48 48" |
| | | S Slot grid 96 96" |

CONTROL

Click [HERE](#) for linear control and sensor options.

Click [HERE](#) for industrial control and sensor options.

– None

DRIVER

See page 5 for **ADDITIONAL DRIVER OPTIONS**.

DIM Driver with external 0-10V dimming wires
DIM1 1% Driver with external 0-10V dimming wires
DRV Driver without external dimming wires^[15]

VOLTAGE

| | |
|-----|----------------------|
| 120 | 120V |
| 208 | 208V |
| 240 | 240V |
| 277 | 277V |
| UNV | 120-277V |
| 347 | 347V ^[14] |

NOTES

¹ Lumen output based on 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/- 5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.

² Ships with (2) 4" lenses.

³ Remote EM batteries: max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 4 for REMOTE MOUNT BATTERY DETAILS.

⁴ Not available with 2' fixtures.

⁵ Not available with tunable white or 90 CRI, 3' Length, 2' L15, 4' L30, or 8' L60 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.

⁶ Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.

⁷ Lumen restrictions apply: L32 max for 2', L40 max for 3', L65 max for 4', L130 max for 8'. Not available with EM batteries.

⁸ Shipped separately, field-installed.

⁹ Required when row mounting with aircraft cables.

¹⁰ Cord recommended, ships separately. See page 4 for MOUNTING ACCESSORY DETAILS. Field-adjustable up and down in 7-1/2" increments.

¹¹ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

¹² Maximum mounting height is 15.4' (4.7 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.

¹³ Units specified with aircraft cable require cord and RA-75 row aligner. See page 4 for MOUNTING ACCESSORY DETAILS.

¹⁴ Not available with Tunable White or EM batteries.

¹⁵ Not available with tunable white.



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REV.01/21/26.LM

Strips

Page 1 of 5

75R | 75S LED Narrow Strip

Fixture Performance Data

| LED PACKAGE | DELIVERED LUMENS | STANDARD | | HE OPTION ¹⁾ | | AMBIENT TEMPERATURE (°C) | | |
|-------------|------------------|----------|-----------------|-------------------------|-----------------|--------------------------|-------------|----|
| | | WATTAGE | EFFICACY (lm/W) | WATTAGE | EFFICACY (lm/W) | HA OPTION | HA50 OPTION | |
| w/EM | NO EM | NO EM | NO EM | 40 | 40 | 50 | | |
| L15 | 1511 | 10.8 | 140 | — | — | 40 | 40 | 50 |
| L25 | 2470 | 18.2 | 136 | 14.8 | 167 | 40 | 40 | 50 |
| L32 | 2936 | 21.3 | 138 | 17.2 | 170 | 40 | 40 | 50 |
| L42 | 4124 | 31.4 | 132 | 23.0 | 180 | 35 | 40 | — |
| L40 | 3885 | 28.2 | 138 | — | — | 35 | 40 | 50 |
| L64 | 6259 | 48.2 | 130 | — | — | 30 | 35 | — |
| L30 | 2916 | 19.7 | 148 | — | — | 40 | 40 | 50 |
| L50 | 4867 | 33.0 | 148 | 26.7 | 182 | 40 | 40 | 50 |
| L65 | 5994 | 42.3 | 142 | 35.8 | 168 | 40 | 40 | 50 |
| L85 | 8098 | 56.2 | 144 | 47.6 | 170 | 35 | 40 | — |
| L100 | 9640 | 68.3 | 141 | 56.9 | 169 | 30 | 30 | — |
| L60 | 5520 | 35.3 | 157 | — | — | 40 | 40 | 50 |
| L100 | 9568 | 65.9 | 145 | 54.1 | 177 | 35 | 35 | 50 |
| L130 | 12353 | 87.9 | 141 | 70.8 | 175 | 35 | 35 | 50 |
| L170 | 16197 | 112.4 | 144 | 94.8 | 171 | 35 | 35 | — |
| L200 | 19281 | 136.5 | 141 | 113.9 | 169 | 30 | 30 | — |

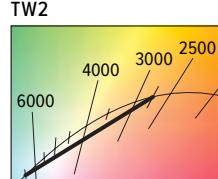
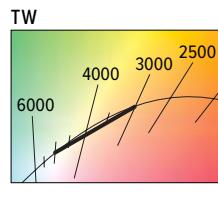
¹ Not available with 90 CRI.

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K for single CCT and 4000K for tunable white, average wattage for 120V through 277V 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.
- HE Option is recommended for POE PR fixtures. Fixture efficacy is typically 10-12% higher than above at same lumen level. Consult factory during project design phase for details.

MULTIPLIER TABLE

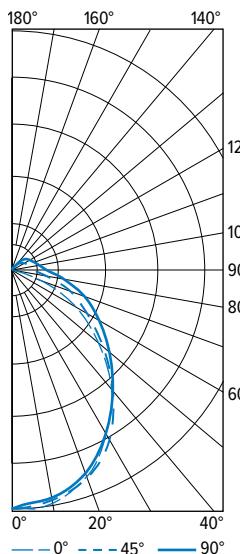
| 80 CRI | COLOR TEMPERATURE | | | |
|--------|-------------------|----------|------|-----|
| | CCT | STANDARD | TW | TW2 |
| 2700K | 0.97 | — | 0.93 | |
| 3000K | 0.99 | 0.95 | 0.95 | |
| 3500K | 1.00 | 0.98 | 0.98 | |
| 4000K | 1.03 | 1.00 | 1.00 | |
| 5000K | 1.06 | 0.96 | 1.02 | |
| 6500K | — | — | 1.01 | |

| 90 CRI | COLOR TEMPERATURE | | | |
|--------|-------------------|----------|------|-----|
| | CCT | STANDARD | TW | TW2 |
| 2700K | 0.80 | — | 0.93 | |
| 3000K | 0.82 | 0.91 | 0.95 | |
| 3500K | 0.83 | 0.96 | 0.98 | |
| 4000K | 0.86 | 1.00 | 1.00 | |
| 5000K | 0.89 | 1.03 | 1.03 | |
| 6500K | — | — | 1.02 | |



PHOTOMETRY

75R-4-L85/835 Total Luminaire Output: 8098 lumens; 56.2 Watts | Efficacy: 144 lm/W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2594 | 2594 | 2594 | |
| 5 | 2622 | 2585 | 2553 | 246 |
| 15 | 2503 | 2497 | 2480 | 703 |
| 25 | 2256 | 2306 | 2324 | 1059 |
| 35 | 1915 | 2042 | 2111 | 1264 |
| 45 | 1481 | 1673 | 1824 | 1281 |
| 55 | 1003 | 1296 | 1488 | 1135 |
| 65 | 620 | 942 | 1117 | 891 |
| 75 | 267 | 630 | 775 | 613 |
| 85 | 63 | 401 | 501 | 378 |
| 90 | 9 | 311 | 407 | |
| 95 | 1 | 249 | 329 | 225 |
| 105 | 0 | 150 | 219 | 136 |
| 115 | 0 | 94 | 149 | 83 |
| 125 | 0 | 53 | 102 | 47 |
| 135 | 0 | 28 | 63 | 24 |
| 145 | 0 | 12 | 35 | 10 |
| 155 | 0 | 6 | 16 | 3 |
| 165 | 0 | 0 | 4 | 0 |
| 175 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 30 | 2008 | 25 |
| 0 - 40 | 3272 | 40 | |
| 0 - 60 | 5688 | 70 | |
| 0 - 90 | 7570 | 94 | |
| 90 - 120 | 443 | 6 | |
| 90 - 150 | 524 | 7 | |
| 90 - 180 | 527 | 7 | |
| 0 - 180 | 8098 | 100 | |

PHOTOMETRY CONTINUED ON NEXT PAGE.

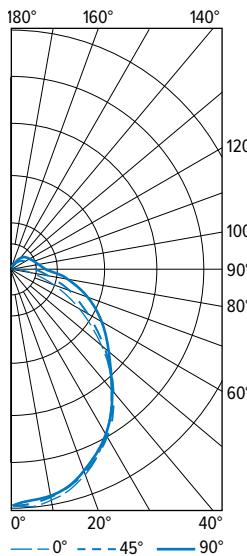


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REV.01/21/26.LM
Strips
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75R | 75S LED Narrow Strip

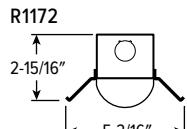
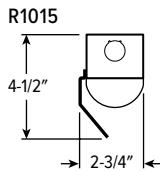
75S-4-L85/835 Total Luminaire Output: 8098 lumens; 56.2 Watts | Efficacy: 144 lm/ W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 2732 | 2732 | 2732 | |
| 5 | 2756 | 2720 | 2682 | 258 |
| 15 | 2633 | 2611 | 2579 | 734 |
| 25 | 2351 | 2362 | 2323 | 1083 |
| 35 | 1969 | 2010 | 1965 | 1247 |
| 45 | 1516 | 1554 | 1583 | 1209 |
| 55 | 1053 | 1160 | 1291 | 1051 |
| 65 | 618 | 840 | 1022 | 826 |
| 75 | 270 | 542 | 745 | 563 |
| 85 | 47 | 323 | 491 | 332 |
| 90 | 0 | 246 | 390 | |
| 95 | 0 | 230 | 344 | 223 |
| 105 | 0 | 200 | 291 | 185 |
| 115 | 0 | 171 | 256 | 149 |
| 125 | 0 | 139 | 216 | 110 |
| 135 | 0 | 96 | 166 | 71 |
| 145 | 0 | 58 | 113 | 38 |
| 155 | 0 | 36 | 63 | 16 |
| 165 | 0 | 17 | 31 | 4 |
| 175 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 30 | 2075 | 26 |
| 0 - 40 | 3321 | 41 | |
| 0 - 60 | 5581 | 69 | |
| 0 - 90 | 7301 | 90 | |
| 90 - 120 | 557 | 7 | |
| 90 - 150 | 777 | 10 | |
| 90 - 180 | 797 | 10 | |
| 0 - 180 | 8098 | 100 | |

SPECIAL REFLECTOR OPTIONS



Reflectors ordered and shipped separately. Cannot be used with wireguard accessories. To remove reflector, first remove the lens.

Example: R1172-4-75LED REFL

QUICK-CONNECT OPTIONS

Note: Quick-connect wiring required for row mounting. All QC harnesses contain (5) 16ga conductors plus ground.

| DESIGNATION | NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND) | WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS | TYPICAL USE |
|-------------|---|---|--|
| QCBW | 2 | Black, White | On/off switching (DRV) or line voltage dimming (DIM LINE) |
| QCRW | 2 | Red, White | Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE) |
| QCBRW | 3 | Black, Red, White | On/off switching (DRV) or line voltage dimming when equipped with EM battery packs |
| QCBW/PK | 4 | Black, White, Purple, Pink | Single circuit with 0-10V low voltage dimming (DIM) |
| QCRW/PK | 4 | Red, White, Purple, Pink | Alternating circuits on/off switching with 0-10V low voltage dimming (DIM) |
| QCBRW/PK | 5 | Black, Red, White, Purple, Pink | On/off switching when equipped with EM battery packs and 0-10V dimming (DIM) |
| QCBW/RPK | 5 | Black, White, Red, Purple, Pink | On/off switching with 0-10V dimming and 0-10V tunable using shared common |
| QCUU | N/A | N/A | QC harness passes through fixture, but is not connected to it |

FINISH OPTIONS



RAL# _____



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.



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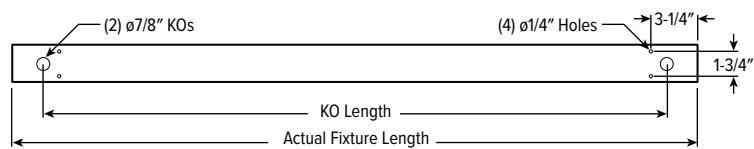
Strips

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75R | 75S LED Narrow Strip

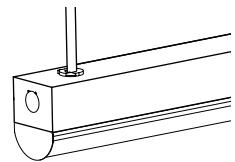
Fixture Details

Backview



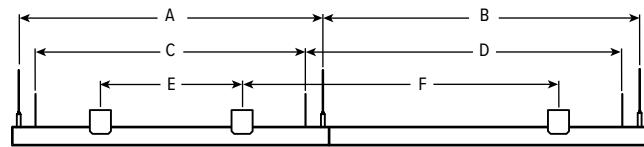
| 7/8" KOs | Actual Fixture Length |
|----------|-----------------------|
| 2' | 18-3/8" |
| 3' | 29-1/2" |
| 4' | 40-1/2" |
| 8' | 85-1/8" |
| | 22-1/2" |
| | 33-9/16" |
| | 44-5/8" |
| | 89-1/4" |

Power Entry



Mounting Accessory Details

Stand Alone



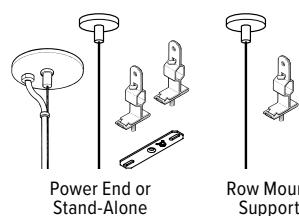
Subsequent

| AIRCRAFT CABLE | | | VBY HANGER | | |
|----------------|----------|----------|------------|----------|---------|
| A | B | C | D | E | F |
| 2' | 21-1/2" | 22-1/2" | 19" | 22-1/2" | 10" |
| 3' | 32-1/2" | 33-9/16" | 30-1/16" | 33-9/16" | 21" |
| 4' | 43-5/8" | 44-5/8" | 41-1/4" | 44-5/8" | 32" |
| 8' | 88-3/16" | 89-1/4" | 85" | 89-1/4" | 77" |
| | | | | | 89-1/4" |

Mounting Length

| AIRCRAFT CABLE | | | VBY HANGER | | |
|----------------|----------|----------|------------|----------|---------|
| A | B | C | D | E | F |
| 2' | 21-1/2" | 22-1/2" | 19" | 22-1/2" | 10" |
| 3' | 32-1/2" | 33-9/16" | 30-1/16" | 33-9/16" | 21" |
| 4' | 43-5/8" | 44-5/8" | 41-1/4" | 44-5/8" | 32" |
| 8' | 88-3/16" | 89-1/4" | 85" | 89-1/4" | 77" |
| | | | | | 89-1/4" |

Standard Hardware for Suspended Product (Grid and Hardpan)



Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.
- Cable kit provides 10/32 male thread for connection to fixture.

Cord for Suspended Product

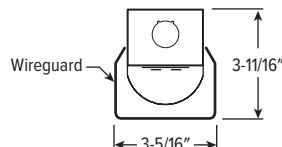
Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

| EXAMPLE: S2438D/W | | | | |
|-------------------|--------|------------------|-----------|----------|
| CORD TYPE | LENGTH | # OF COND. | WIRE SIZE | COLOR |
| S | 24 24" | 3 | | |
| | 48 48" | 4 | | |
| | 96 96" | 5 ^[1] | 8D 18ga | /W White |
| | | 6 ^[1] | | /B Black |

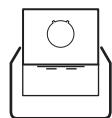
¹ Includes (2) 22ga purple & pink dimming conductors

WG-75

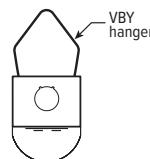
75R



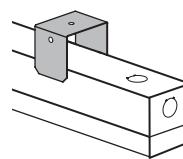
75S



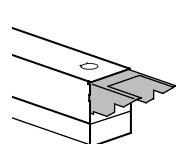
VBY



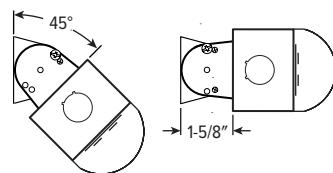
315



RA-75



45AMB



Remote Mount Battery Details

EM/10WRM/RTS



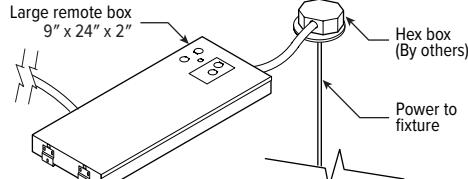
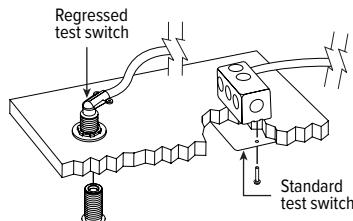
Regressed test switch
 $\varnothing 1-3/4$ "

EM/10WRM



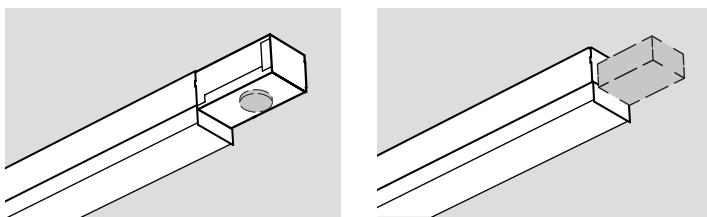
Standard test switch
 $2-3/4 \times 4-1/2$ "

Max remote distance is 50' including suspension length, connection by others.



75R | 75S LED Narrow Strip

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at hew.com/product-builder

| CATALOG NUMBER | DESCRIPTION |
|-------------------------|---|
| DRV ^[1] | Driver without external dimming wires prewired for non-dimming applications |
| DIM | Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT) |
| DIM1 | 1% driver with external dimming wires prewired for 0-10V low voltage applications |
| DIM LINE ^[1] | Line voltage dimming driver (TRIAC and ELV compatible, 120V only) |
| DIM TRC ^[1] | Line voltage dimming driver (TRIAC compatible, 120V only) |
| DA | Driver with 12V auxiliary power, without external dimming wires (not available with 347V) |
| DSR | DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver) |
| DALI | DALI dimming driver |
| DMX | Driver prewired for DMX applications |
| SD40 ^[1] | 40% step-dimming driver |
| SD50 ^[1] | 50% step-dimming driver |
| LDE1 ^[1] | Lutron Hi-lume 1% EcoSystem dimming driver |
| LD2 | Lutron DALI-2 digital driver, 1% |
| PoE PR | Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver |

¹ Single CCT only.

TUNABLE WHITE DRIVER DETAILS

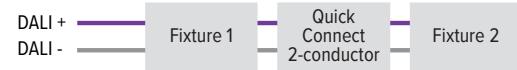
DIM



DMX



DALI



LD2

