

PROJECT: _____

TYPE: _____

NOTES: _____



W1151

Our narrow footprint housing provides an economical architectural solution while delivering high performance with LEDs.

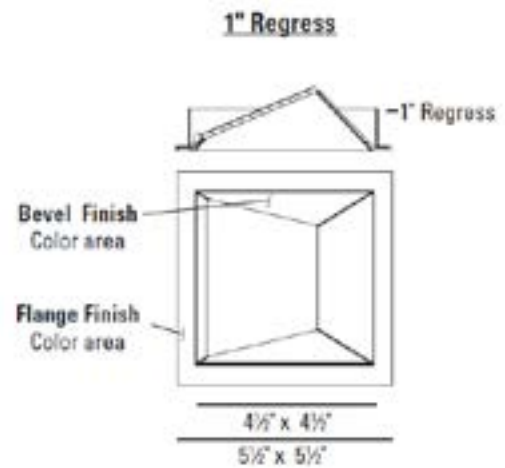
Features

- Damp Location Rated
- 80+ CRI offered
- Several color temperatures available

Applications

- Offices
- Reception Areas
- Corridors

Extrusion Dimensions



LED System Information

| | 14 Watts | 20 Watts |
|-----------------------|----------|----------|
| Color Rendering Index | 80+ CRI | 80+ CRI |
| Lumens per Watt | 56 | 48 |
| Source Lumens | 1100 | 1500 |
| Delivered Lumens | 775 | 1000 |

| | 2700K | 3000K | 3500K |
|-----------------------|---------|---------|---------|
| Color Rendering Index | 80+ CRI | 80+ CRI | 80+ CRI |
| Multiplier for Lumens | 1.00 | 1.00 | 1.08 |

Ordering Information:

| W1151 | Option | Bevel Style | Flange Finish | Housing Code | Wattage | Engine Code | Color |
|------------|--------------------------------|----------------------|-----------------------------------|--------------|-------------|-------------|----------------------|
| W1151 | W-Wet Location* | B1-1" Regressed | 10- White | LSTW4 | 6014- 14W, | M2 | 27KS- 2700K (80+CRI) |
| Square | TZ-6" TechZone | Bevel-Die Cast | 13- Statuary Bronze | LSTW4 | 775 Lumens | | 30KS 3000K (80+CRI) |
| Wall Wash | Ceiling Compatible (NCSM Only) | AB1-1" Regressed | 21- Black | | 6020- 20W, | | 35KS 3500K (80+CRI) |
| 1" Regress | | Bevel-Black Anodized | 28- Metalized Grey | | 1000 Lumens | | |
| | | AC1-1" Regressed | RAL- Custom Color (specify color) | | | | |
| | | Bevel-Clear Matte | | | | | |

*B1 trims only

| Housing Type | Voltage | Driver | Accessories |
|---------------------------------------|---------|-------------------------------------|--|
| NCSM1- New Construction, Narrow Width | 120 | DIML2- Standard 10% Dimming (0-10V) | CB27- 27" C-Channel Bars |
| IC- Insulation Contact* | 277 | DIML3- Lutron A 2-Wire, 1% | CB52- 52" C-Channel Bars |
| | | DIML4- Standard 10% Dimming (0-10V) | EML- Emergency battery* |
| | | DIML6A- EidoLED 0-10V Lutron, 0.1% | EMLW- Emergency battery, wet location* |
| | | DIML6B- EidoLED 0-10V Linear, 0.1% | MLXX- Mill adapter** |
| | | DIML9- TRIAC 15% 2-wire, 120V only | XX=Specify Color |
| | | DIML10- ELV 15% 2-wire, 120V only | MOD- Custom Color |

*Not available with EM

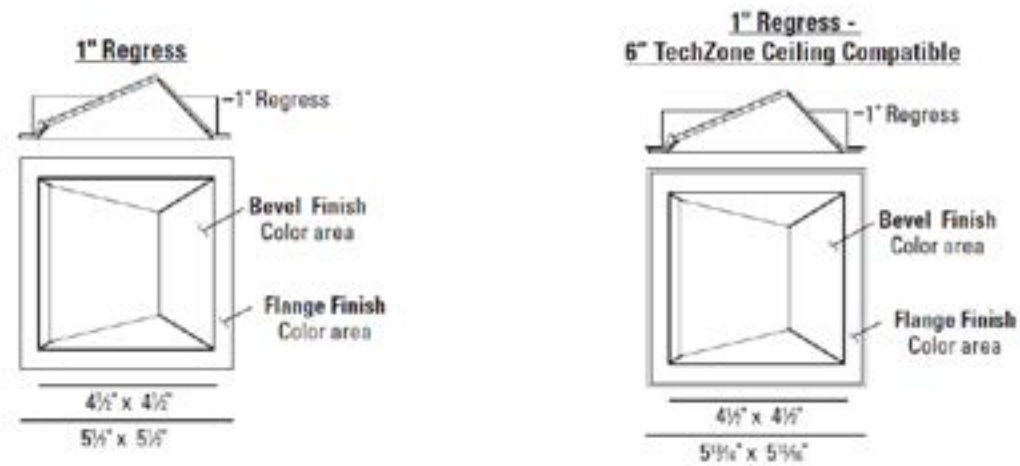
*EM requires above ceiling access.

For use with NC housings only.

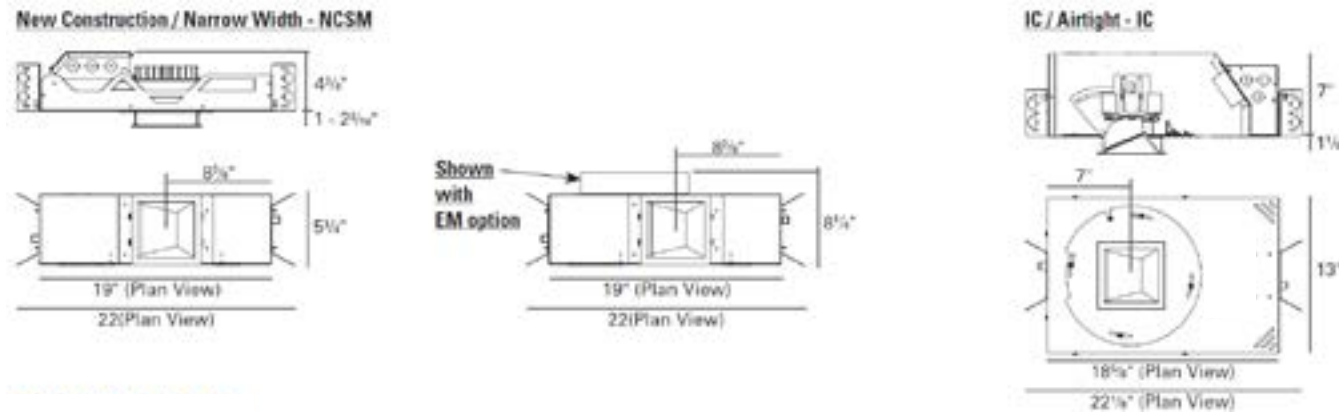
**N/A with NCSM1 housing

Ordering Example: W1151-W-B1-21-LSTW4-6020-M2-27KS--IC-120-DIML3-EML

Trim Information:



Housing Information:



Specifications:

TRIM: 4-1/2" square aperture with a 1" regressed bevel and 1/2" flange, retained by two mounting clips. Die cast aluminum bevel is self-flanged and is available in white, staturary bronze, black, and metalized grey finishes. Also available in black anodized or clear matte bevel, with painted flange. Custom color flanges available (provide RAL#).

TRIM LENS: Micro diffusion lens.

REFLECTOR: Precision injection molded specular polycarbonate reflector optimized for wall wash distribution.

FIELD REPLACEABLE LIGHT ENGINE: Available in 2 lumen packages: 14W (625 delivered lumens), 20W (800 lm). Engine is field replaceable through the aperture without tools.

COLOR: Available in 4 color temperatures (2700K, 3000K, 3500K). All color options are tightly binned for fixture-to-fixture color consistency within a 2-Step MacAdam Ellipse. 80+ color rendering index provided standard. 80+ CRI provided standard.

RATED LIFE: Based on IESNA LM80-2008 50,000 hours at 70% lumen maintenance (L70).

THERMAL MANAGEMENT: Proprietary high performance aluminum die cast heatsink for maximum LED life. Ambient temperatures at fixture location should not exceed 40°C during normal operation.

FIELD REPLACEABLE DRIVER: 0-10V, 100%-10% solid state electronic constant current DIML2 dimming driver with a high power factor provided standard and sources 2mA. Specify 120V or 277V. Driver complies with IEEE62.41 surge protection.

DIMMING OPTIONS: Multiple dimming drivers available. See Some on-time delay may be experienced depending on control system used. Note: DIML6A logarithmic control is intended for use with Lutron control systems; DIML6B linear control is intended for use with non-Lutron controls. DIML6 drivers source 2mA.

EMERGENCY: Emergency lighting battery pack is provided with remote test switch and require above ceiling access for service. EM option is not available with IC housings.

MOUNTING: Butterfly brackets and adjustable nailer bars with integral nails provided. Nailer bars are extendible from 14" to 24" centers.

HOUSING: Fabricated of 20 ga. galvanized steel with thru wire J-box, 4 in 4 out at min. 90°C, #12 AWG thru branch circuit wiring. IC rated housing rated for direct contact with insulation.

MAXIMUM CEILING THICKNESS: As per drawings above. ML option is for 1" max thickness wood with IC housing and for 2-1/4" max thickness wood with NCSM2 housing. Millwork option is not available with NCSM1 housing.

CEILING CUT OUT: 5-1/16" x 5-1/16"

LISTINGS: Dry/damp. Wet location option is available. Tested to UL standards. IBEW union made.

WARRANTY: 5 years.

NOTES: Not for use in corrosive environment. Use of pressure washer voids warranty.

PHOTOMETRICS: Consult factory or website for IES files. Tested in accordance with IESNA LM79-2008.

SELECTION GUIDE: DIML2

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

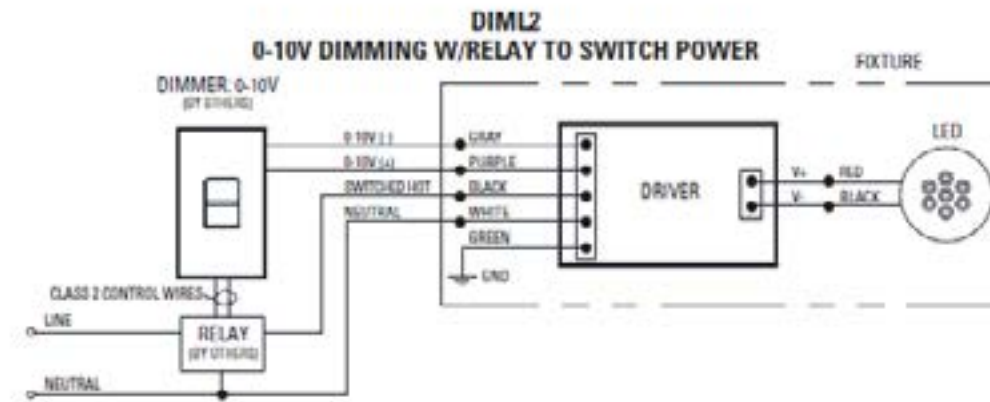
IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

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2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

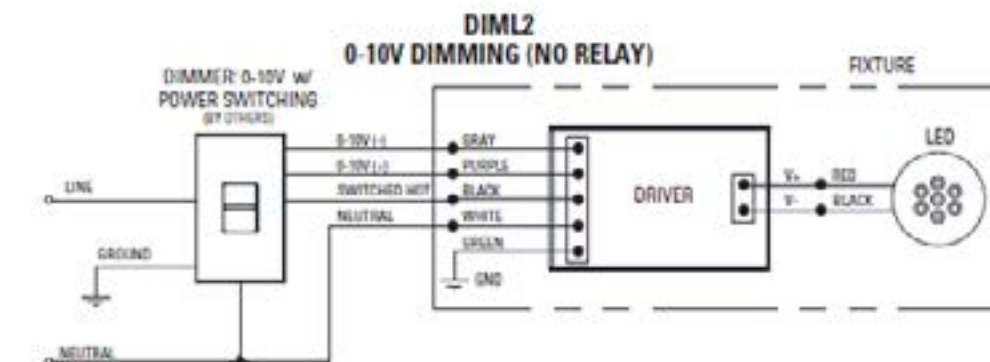
DIML2 LED: 0-10V Dimming Driver Wiring (Dims down to 10%)

| DIML2 Dimmer Compatibility Chart | | | | |
|----------------------------------|-------------------------------|----------------|---------------------------|---|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Dimmer* |
| 120V / 277V | | | | |
| Crestron | iLux dimmer expansion module | CLS-EXP-DIMFLV | 100% - 10% | Use source current per fixture specification sheet to determine number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating. |
| Crestron | DIN Rail dimmer | DIN-4DIMFLV4 | 100% - 10% | |
| Crestron | DIN Rail analog output module | DIN-AOP | 100% - 10% | |
| Crestron | 8 Channel dimmer module | GLX-DIMFLV8 | 100% - 10% | |
| Crestron | 8 Channel dimmer module | GLXP-DIMFLV8 | 100% - 10% | |
| Leviton | illumaTech dimmer | IP710-DLX | 100% - 10% | |
| Lightolier (Philips) | Vega | V2000FAMU | 100% - 10% | |
| Lutron | Diva | DVTV-XX | 100% - 10% | |

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



NOTE: If switched, non-dimming operation is desired, cap off purple and gray wires individually at installation. Do NOT cap purple and gray wires together.



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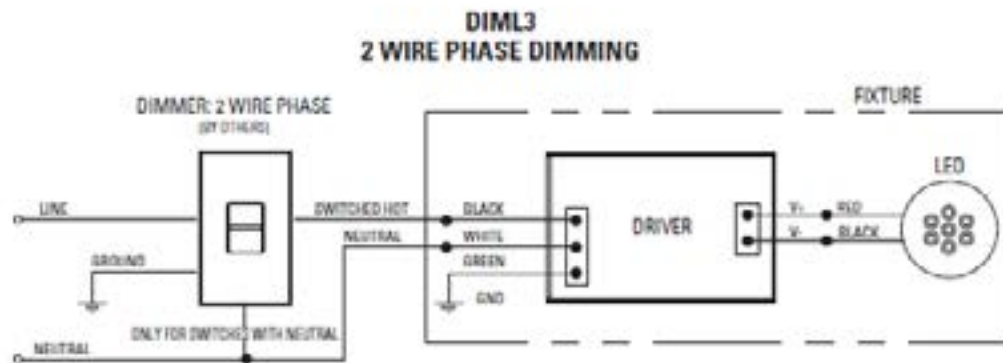
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DIML3 LED: Lutron Hi-Lume A-Series 2 Wire Fwd Phase (with neutral) / LED Dimming Driver Wiring (Dims down to 1%) 120V only.

| DIML3 Dimmer Compatibility Chart | | | | | |
|----------------------------------|------------------------------------|------------------------------|---------------------------|--------------------------|-----------|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Dimmer* | |
| | | | | Fixture Wattage | |
| 120V Only | | | | | |
| | | | | 39W and Less | 40W - 80W |
| ETC | Sensor+ Cabinet | ELV10 | 100% - 1% | 1 - 26 | 1 - 13 |
| ETC | Unison DRd Cabinet | ELV10 | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | Maestro Wireless® 600W dimmer | MRF2-6ND-120- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | Maestro Wireless® 1000W dimmer | MRF2-10ND-120- | 100% - 1% | 1 - 13 | 1 - 6 |
| Lutron | HomeWorks® QS adaptive dimmer | HQRD-6NA- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | HomeWorks® QS 600W dimmer | HQRD-6ND | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | HomeWorks® QS 1000 W dimmer | HQRD-10ND- | 100% - 1% | 1 - 13 | 1 - 6 |
| Lutron | Caseta Wireless® Pro 1000W dimmer | PD-10NXD- | 100% - 1% | 1 - 13 | 1 - 6 |
| Lutron | Stanza® dimmer | SZ-6ND- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | RadioRA® 2 adaptive dimmer | RRD-6NA- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | RadioRA® 2 1000 W dimmer | RRD-10ND- | 100% - 1% | 1 - 6 | 1 - 3 |
| Lutron | myRoom DIN power module | MQSE-4A1-D | 100% - 1% | 1 - 6 | 1 - 3 |
| Lutron | HomeWorks® QS wallbox power module | HQB1-WPM-6D-120- | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | HomeWorks® DIN power module | LQSE-4A1-D | 100% - 1% | 1 - 6 | 1 - 3 |
| Lutron | HomeWorks® wallbox power module | HW1-WPM-6D-120 | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | GRAFIK Eye® QS control unit | QSCR- QSCRJ | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | GRAFIK Eye® 3000 control unit | GRX-3100-, GRX-3500- | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | RPM-4U module | HW-RPM-4U-120, LP-RPM-4U-120 | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | RPM-4A module | HW-RPM-4A-120, LP-RPM-4A-120 | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | GP dimming panels | Various | 100% - 1% | 1 - 26 | 1 - 13 |
| Lutron | Aradisi CL 250W dimmer | AYCL-253P- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | Diva CL 250W dimmer | DVCL-253P-, DVSCCL-253P- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | Crafik T CL or RF CL dimmer | GT-250M-, GTJ-250M- | 100% - 1% | 1 - 8 | 1 - 4 |
| Lutron | Nova T CL 250W dimmer | NTCL-250- | 100% - 1% | 1 - 10 | 1 - 5 |

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



DIMMING DRIVER WIRING SCHEMES:

NOTES:

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5. Cap any wires not used separately (not together).

DIML4 LED: Lutron Hi-Lume A-Series LED Driver with 3-Wire FL Control / LED Dimming Driver Wiring (Dims down to 1%)

| DIML4 3-Wire Dimmer Compatibility Chart | | | | | |
|---|--------------------|--------------------------------|---------------------------|---------------------------|-----------|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Control* | |
| | | | | Fixture Wattage | |
| 120V Only | | | | | |
| | | | | 39W and Less | 40W - 80W |
| ETC | Sensor+ Cabinet | D2D Dimming module | 100% - 1% | 1-53 | 1-26 |
| ETC | Unison DRd Cabinet | D2DF Dimming module | 100% - 1% | 1-53 | 1-26 |
| Lutron | Nova T | NTF-10- | 100%-1% | 1-41 | 1-20 |
| Lutron | Nova T | NTF-103P- | 100%-1% | 1-20 | 1-10 |
| Lutron | Nova | NF-10- | 100%-1% | 1-41 | 1-20 |
| Lutron | Nova | NF-103P- | 100%-1% | 1-20 | 1-10 |
| Lutron | Vario | VF-10- | 100%-1% | 1-20 | 1-10 |
| Lutron | SkyLark | SF-10P-, SF-103P- | 100%-1% | 1-20 | 1-10 |
| Lutron | Diva | DVF-103P-, DVSCF-103P- | 100%-1% | 1-20 | 1-10 |
| Lutron | Aradisi | AYI-103P- | 100%-1% | 1-20 | 1-10 |
| Lutron | Verb | VTF-6A- | 100%-1% | 1-15 | 1-7 |
| Lutron | Maestro | MAF-6AM-, MSCF-6AM- | 100%-1% | 1-15 | 1-7 |
| Lutron | Maestro Wireless | MRF2-F6AN-DV- | 100%-1% | 1-15 | 1-7 |
| Lutron | RadioRA 2 | RRD-F6AN-DV- | 100%-1% | 1-15 | 1-7 |
| Lutron | HomeWorks QS | HQRD-F6AN-DV | 100%-1% | 1-15 | 1-7 |
| Lutron | Interfaces | PHPM-3F-120, PPHM-3F-DV | 100%-1% | 1-41 | 1-20 |
| Lutron | GP Dimming Panels | Various | 100%-1% | 1-41 | 1-20 |
| 277V Only | | | | | |
| | | | | 40W and Less | 41W - 80W |
| ETC | Sensor+ Cabinet | D2D Dimming module | 100% - 1% | 1-53 | 1-26 |
| ETC | Unison DRd Cabinet | D2DF Dimming module | 100% - 1% | 1-53 | 1-26 |
| Lutron | Nova T | NTF-10-277- | 100%-1% | 1-44 | 1-22 |
| Lutron | Nova T | NTF-103P-277- | 100%-1% | 1-33 | 1-16 |
| Lutron | Nova | NF-10-277- | 100%-1% | 1-44 | 1-22 |
| Lutron | Nova | NF-103P-277- | 100%-1% | 1-33 | 1-16 |
| Lutron | SkyLark | SF-12P-277-, SF-12P-277-3 | 100%-1% | 1-33 | 1-16 |
| Lutron | Diva | DVF-103P-277-, DVSCF-103P-277- | 100%-1% | 1-33 | 1-16 |
| Lutron | Aradisi | AYI-103P-277- | 100%-1% | 1-44 | 1-22 |
| Lutron | Verb | VTF-6A- | 100%-1% | 1-33 | 1-16 |
| Lutron | Maestro | MAF-6AM-277-, MSCF-6AM-277- | 100%-1% | 1-20 | 1-10 |
| Lutron | Maestro Wireless | MRF2-F6AN-DV- | 100%-1% | 1-33 | 1-16 |
| Lutron | RadioRA 2 | RRD-F6AN-DV- | 100%-1% | 1-33 | 1-16 |
| Lutron | HomeWorks QS | HQRD-F6AN-DV | 100%-1% | 1-33 | 1-16 |
| Lutron | Interfaces | PHPM-3F-DV | 100%-1% | 1-80 | 1-44 |
| Lutron | GP Dimming Panels | Various | 100%-1% | 1-80 | 1-44 |

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

SELECTION GUIDE: DIML4

DIMMING DRIVER WIRING SCHEMES:

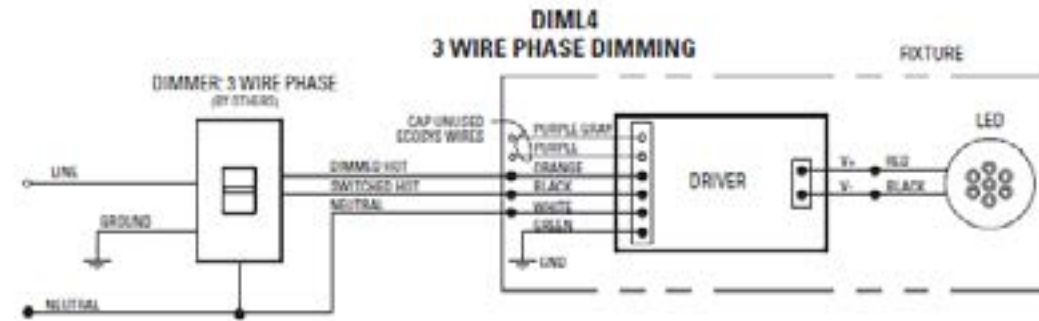
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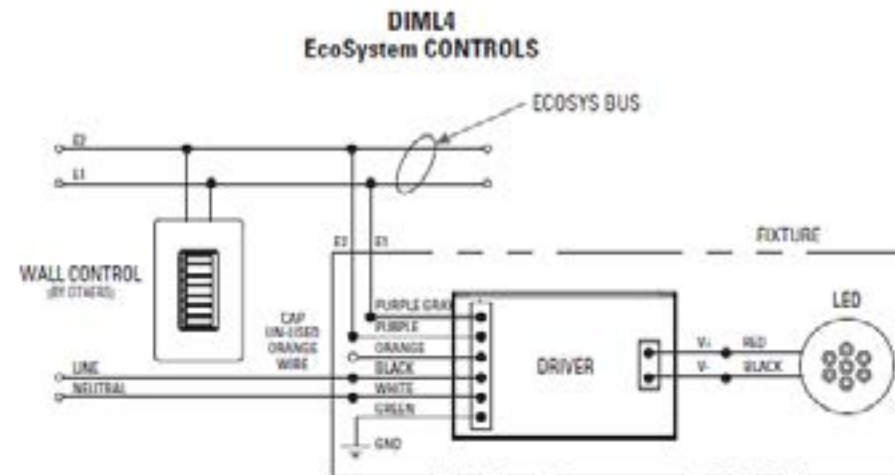
DIML4 LED: Lutron Hi-Lume A-Series LED Driver with 3-Wire FL Control / LED Dimming Driver Wiring (Dims down to 1%)



DIML4 LED: Lutron Hi-Lume A-Series LED Driver with EcoSystem Control / LED Dimming Driver Wiring (Dims down to 1%)

| DIML4 EcoSystem Dimmer Compatibility Chart | | | | | |
|--|--------------------------|------------------------|---------------------------|---------------------------|-----------|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Control* | |
| | | | | 39W and Less | 40W - 80W |
| 120V / 277V | | | | | |
| Lutron | ProPak dimming module | RMJ-ECO32-DV-B | 100%-1% | 1-32 | 1-16 |
| Lutron | Energi Savr Node | OSN-1ECO-S, OSN-2ECO-S | 100%-1% | 1-64 | 1-32 |
| Lutron | GRAFK Eye QS (120V ONLY) | OSGR- E, OSGR- E | 100%-1% | 1-64 | 1-32 |
| Lutron | Quantum | Various | 100%-1% | 1-64 | 1-32 |

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



SELECTION GUIDE: DIML6A, 6B

DIMMING DRIVER WIRING SCHEMES:

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DIML6A LED: EldoLED SOLOdrive 561/S 0-10V control 100%-0.1% linear-programmed dimming driver for use with logarithmic-style controls (e.g., Lutron and others listed in the table below)

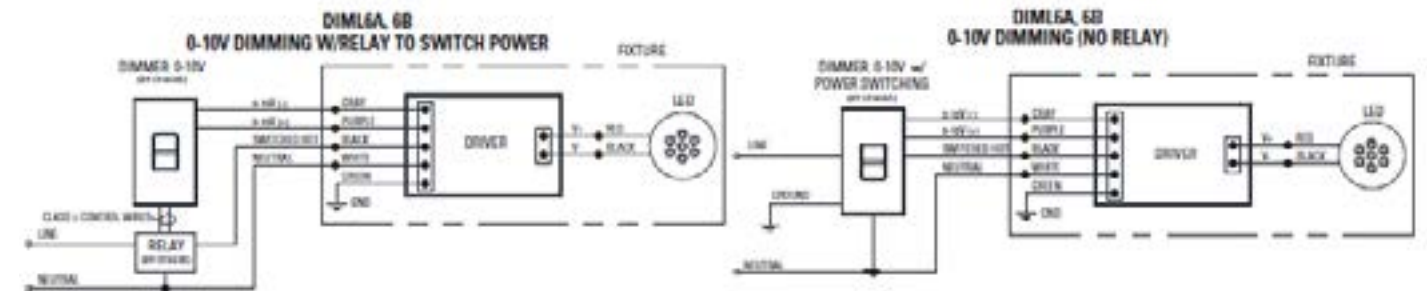
| DIML6A Dimmer Compatibility Chart | | | | |
|-----------------------------------|-------------------|----------------------------|---------------------------|---|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Dimmer* |
| 120V & 277V | | | | |
| Lutron | Dim | DVTI/INTV/INTTV with PP-20 | 99% - 0.1% | Refer to manufacturer's dimmer load rating for maximum and minimum fixture quantities per dimmer. |
| Lutron | Energi Savr Node | OSN-4T1S-S | 100% - 0.1% | |
| Lutron | GP Dimming Panels | TVM2 Module | 99% - 0.1% | |
| Lutron | Interfaces | GRX-TVI w/ GRX3503 | 100% - 0.1% | |
| Sensor Switch | nIQ | nIQ EZ | 100% - 0.1% | |

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

DIML6B LED: EldoLED SOLOdrive 561/S 0-10V control 100%-0.1% logarithmic-programmed dimming driver for use with linear-style controls (e.g., Crestron, non-Lutron, and others listed in the table below)

| DIML6B Dimmer Compatibility Chart | | | | |
|-----------------------------------|------------------------------------|--|---------------------------|---|
| Manufacturer | Product | Part Number | Dimmed Light Output Range | Qty Fixtures Per Dimmer* |
| 120V & 277V | | | | |
| Bush-Jaepp | Electronic potentiometer | 2112U-101 | 100% - 0.1% | Refer to manufacturer's dimmer load rating for maximum and minimum fixture quantities per dimmer. |
| Jung | Electronic potentiometer | 240-10 | 100% - 0.1% | |
| Leviton | IlumaTech dimmer | 1P710-DLX | 100% - 0.1% | |
| Lightolier (Philips) | Momentum (120V ONLY) | ZP800FAM120 | 100% - 0.1% | |
| Marton | Electronic potentiometer | 5728 | 100% - 0.1% | |
| Pas & Seymour | Tran | CD4FB-W | 100% - 0.1% | |
| Watt Stopper | Miro | DCLV1 | 100% - 0.1% | |
| Synergy | Wallbox Dimmers | ISD-BC | 100% - 0.1% | |
| ABB | i-bus | SD/S 2 16.1 | 100% - 0.1% | |
| Crestron | Modules | GLX-DIMFLV6, GLXP-DIMFLV6 | 100% - 0.1% | |
| Crestron | Green Light | GLPAC-DIMFLV4-, GLPAC-DIMFLV6- | 100% - 0.1% | |
| Crestron | Green Light Power Pack | GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM | 100% - 0.1% | |
| Crestron | DIN Rail Analog Output Module | DIN-A08 | 100% - 0.1% | |
| Crestron | DIN Rail 0-10V Fluorescent Dimmer | DIN-4DIMFLV4 | 100% - 0.1% | |
| Crestron | ilux 0-10V Dimmer Expansion Module | CLS-EXP-DIMFLV | 100% - 0.1% | |

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



SELECTION GUIDE: DIML7

DIMMING DRIVER WIRING SCHEMES:

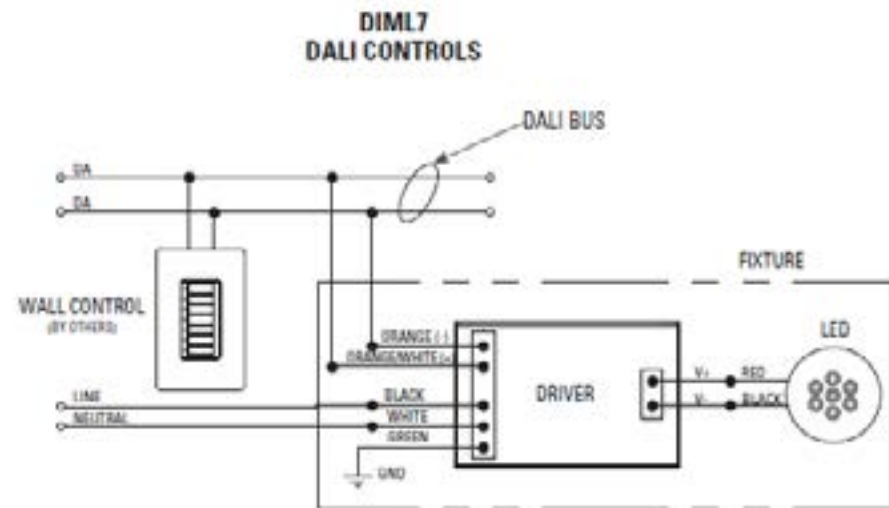
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DIML7 LED: EldoLED DALI Dimming Driver Wiring (Dims down to 0.1%)



SELECTION GUIDE: DIML9

DIMMING DRIVER WIRING SCHEMES:

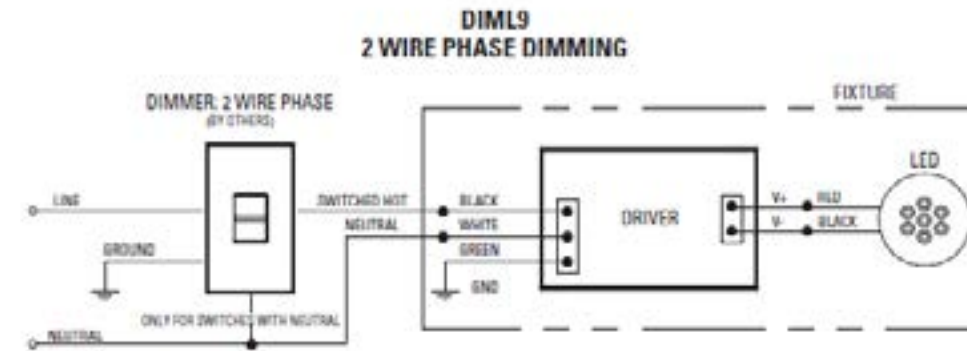
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DIML9 LED: TRIAC Forward Phase Dimming Driver Wiring (Dims down to 15%) 120V Only



SELECTION GUIDE: DIML10

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

IMPORTANT SAFETY INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

DIML10 LED: ELV Reverse Phase Dimming Driver Wiring (Dims down to 15%) 120V Only

