

### **PROJECT INFORMATION**

PROJECT	·
DATE	
TYPE	



**BeveLED Basic Recessed Downlight** - Our narrow footprint housing provides an economical architectural solution while delivering high performance with LEDs.

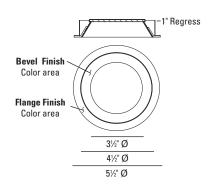
### **DELIVERED PERFORMANCE**

BeveLED Basic	14 Watts	20 Watts
DOWNLIGHT	00	
	80+	80+
Color Rendering Index	CRI	CRI
Lumens per Watt	66	59
Source Lumens	1100	1500
Delivered Lumens	975	1250
Color Consistency	2-Step MacAda	am Ellipse

Performance based on 3000K

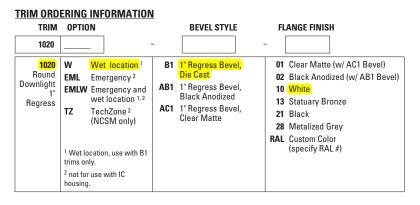
CCT MULTIPLIER	2700K	3000K	3500K
	80+	80+	80+
Color Rendering Index	CRI	CRI	CRI
Multiplier for			
Lumen Output	1.00	1.00	1.08

### 1" Regress



### **HOW TO SPECIFY**

Ordering Example: Specify trim code and housing code to order: Example: 1020W - B1 - 10 - LRTD4 - 9014 - M2 - 27KS - 30 - NCSM - 277V - DIML2 - CB27





<b>HOUSING ORDE</b>	HOUSING ORDERING INFORMATION OPTIONAL							
HOUSING CODE	WATTAGE	ENGINE COD	E COLOR	REFLECTOR	HOUSING TYPE	VOLTAGE	DIMMING DRIVER	ACCESSORIES
LRTD4	-	- M2	-	-	-	-	-	-
LRTD4	9 <mark>014</mark> 14W LED,	M2	27KS 2700K, 80+ CRI	<b>30</b> 30° beam		120V	<b>DIML2</b> 0-10V dim, 10%	CB27 27" C-Channel Bars
	975 lumens		<b>30KS</b> 3000K, 80+ CRI	<b>50</b> 50° beam		277V	DIML3 Lutron Hi-Lume 1%	CB52 52" C-Channel Bars
	9020 20W LED,		35KS 3500K, 80+ CRI	<b>80</b> 80° beam	IC Insulation-Contact Rated / Airtight		2-wire, 120V only	EML Emergency battery <sup>3</sup>
	1250 lumens				nated / Antignt		DIML4 Lutron Hi-Lume 1% 3-wire/ECO	EMLW Emergency battery, wet location <sup>3</sup>
							DIML6A ELDO 0-10V 0.1%, logarithmic	TZ TechZone ceiling compatible <sup>4</sup>
							DIML6B ELDO 0-10V 0.1%, linear	
							DIML7 ELDO DALI 0.1%	
							DIML9 TRIAC 15% 2-wire, 120V only	
							DIML10 ELV 15%	
							2-wire, 120V only	<sup>3</sup> NCSM housings require above
			2 Step MacAdam ellipse					ceiling access. Not for use with IC housing.
			is standard for all					<sup>4</sup> With NCSM housing only



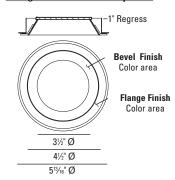
# **BeveLED** BASIC

# m nownlight 1020

### **TRIM INFORMATION**

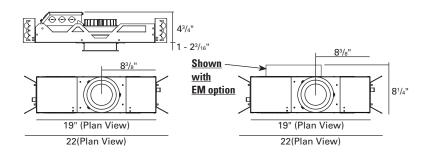
# T" Regress Bevel Finish Color area Flange Finish Color area 4½" Ø 5½" Ø

### 1" Regress - TechZone Compatible



#### **HOUSING INFORMATION**

### New Construction, Narrow Width - NCSM



# 13" 185/s" (Plan View) 221/s" (Plan View)

### **SPECIFICATIONS**

TRIM: 4-1/2" round 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, statuary bronze, black, and metalized grey finishes. Also available in black anodized or clear matte bevel, with self finish or painted flange. Custom color flanges available (provide RAL#).

**TRIM LENS:** Trim is shipped with integral solite lens standard.

**REFLECTOR:** Interchangeable precision injection molded specular polycarbonate reflector optimized for 30°, 50° or 80° beam distribution.

FIELD REPLACEABLE LIGHT ENGINE: Available in 2 lumen packages: 14W (975 delivered lumens) and 20W (1250 delivered lumens). Engine is field replaceable through the aperture without tools.

COLOR: BeveLED is available in 3 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.

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: Solid state electronic constant current driver with a high power factor provided standard. Specify 120V or 277V. Driver complies with IEEE C62.41 surge protection.

**DIMMING OPTIONS:** Multiple dimming drivers available. See compatibility chart attached. 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. DIML2 and 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. NCSM with TZ option is compatible with TechZone ceiling systems.

MAXIMUM CEILING THICKNESS: As per drawings above

CEILING CUT OUT: 5-1/16" Ø

**LISTINGS:** Dry/Damp. Wet location option available with B1 trim only. NRTL/CSA-US 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.



### **DIMMING DRIVER WIRING SCHEMES:**

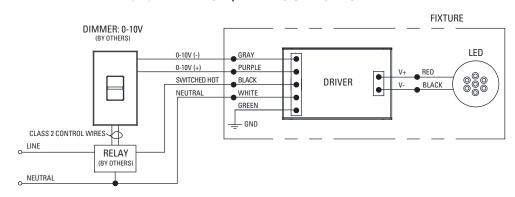
Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

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

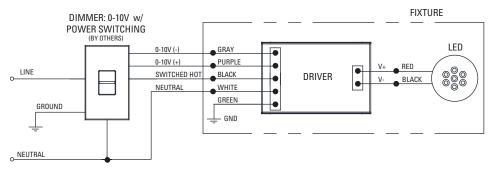
DIML2 Dimmer Compatibility Chart						
Manufacturer	Product	Part Number	Dimmed Light Output Range	Oty Fixtures Per Dimmer*		
120V / 277V				Use source current per		
Crestron	iLux dimmer expansion module	CLS-EXP-DIMFLV	100% - 10%	fixture specification		
Crestron	DIN Rail dimmer	DIN-4DIMFLV4	100% - 10%	sheet to determine		
Crestron	DIN Rail analog output module	DIN-A08	100% - 10%	number of fixtures per		
Crestron	8 Channel dimmer module	GLX-DIMFLV8	100% - 10%	dimmer. Max number		
Crestron	8 Channel dimmer module	GLXP-DIMFLV8	100% - 10%	of fixtures is limited by		
Leviton	IllumaTech dimmer	IP710-DLX	100% - 10%	dimmer load rating.		
Lightolier (Philips)	Vega	V2000FAMU	100% - 10%			
Lutron	Diva	DVTV-XX	100% - 10%			

<sup>\*</sup> NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

# DIML2 0-10V DIMMING W/RELAY TO SWITCH POWER



### DIML2 0-10V DIMMING (NO RELAY)







### **DIMMING DRIVER WIRING SCHEMES:**

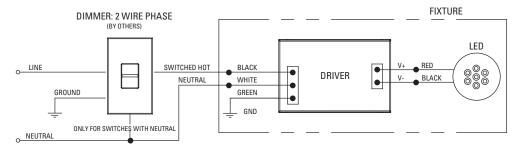
Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

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						
	•	-	Dimmed Light	Oty Fixtures		
Manufacturer	Product	Part Number	Output Range	Typical	High Wattage	
120V Only				40W and Less	41W - 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® dimmer	MRF2-6ND-120-	100% - 1%	1 – 8	1 – 4	
Lutron	HomeWorks® QS adaptive dimmer	HQRD-6NA-	100% - 1%	1 – 8	1 – 4	
Lutron	HomeWorks® QS 60W dimmer	HQRD-6ND-	100% - 1%	1 – 8	1 – 4	
Lutron	HomeWorks® QS 1000 W dimmer	HQRD-10ND-	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 – 13	1 – 6	
Lutron	HomeWorks® QS wallbox power module	HQRJ-WPM-6D-120-	100% - 1%	1 – 26	1 – 13	
Lutron	HomeWorks® wallbox power module	HWI-WPM-6D-120	100% - 1%	1 – 26	1 – 13	
Lutron	GRAFIK Eye® QS control unit	QSGR-, QSGRJ-	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	Ariadni 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	Grafik T CL or RF CL dimmer	GT-250M-, GTJ-250M-	100%-1%	1 – 8	1 – 4	

<sup>\*</sup> NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

# DIML3 2 WIRE PHASE DIMMING





T 845-565-8500

F 845-561-1130



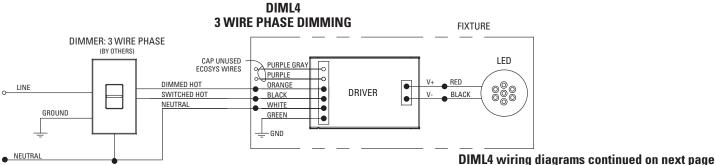
### **DIMMING DRIVER WIRING SCHEMES:**

Note: 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.

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

		ML4 3-Wire Dimmer Compatibility Chart	Dimmed Light	Oty Fixtures Pe	
Manufacturer	Product	Part Number	Output Range	Typical	High Wattage
120V Only				40W and Less	41W - 80W
ETC	Sensor+ Cabinet	D20 Dimming module	100% - 1%	1–53	1–26
ETC	Unison DRd Cabinet	D20F 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	Vareo	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	Ariadni	AYF-103P-	100%–1%	1–20	1-10
Lutron	Vierti	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	RadioTouch	RTA-RX-F-	100%-1%	1–41	1-20
Lutron	Spacer System	SPSF-6A-, SPSF-6AM-	100%-1%	1–15	1-7
Lutron	Lyneo Lx	LXF-103PL-	100%–1%	1–20	1-10
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, PHPM-3F-DV, GRX-FDBI-16A	100%-1%	1–41	1-20
Lutron	GP Dimming Panels	Various	100%-1%	1–41	1-20
277V Only	Or Dimming rando	7400	10070 170	40W and Less	41W - 80W
ETC	Sensor+ Cabinet	D20 Dimming module	100% - 1%	1–53	1–26
ETC	Unison DRd Cabinet	D20F 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	Ariadni	AYF-103P-277-	100%-1%	1–44	1-22
Lutron	Vierti	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	RadioTouch	RTA-RX-F-	100%-1%	1–88	1-10
Lutron	Spacer System	SPSF-6A-277-, SPSF-6AM-277-	100%-1%	1–20	1-44
Lutron	Lyneo Lx	LXF-103PL-277-	100%-1%	1–33	1-10
	RadioRA 2	RRD-F6AN-DV-	100%-1%	1–33	1-16
Lutron	HomeWorks QS	HQRD-F6AN-DV	100%—1%	1–33	1-16
<u>Lutron</u> Lutron	Interfaces	PHPM-3F-DV. GRX-FDBI-16A	100%-1%		1-16
LUITON	interraces		10070-170	1–88	ı — <del>44</del>

<sup>\*</sup> 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.







**DIML4** Continued

### **DIMMING DRIVER WIRING SCHEMES:**

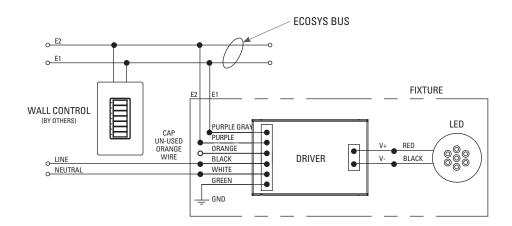
Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

<u>DIML4 LED</u>: Lutron Hi-Lume A-Series LED Driver with Eco System Control / LED Dimming Driver Wiring (Dims down to 1%)

DIML4 3-Wire Dimmer Compatibility Chart						
			Dimmed Light	Oty Fixtures Pe	r Control*	
Manufacture	r Product	Part Number	Output Range	Typical	High Wattage	
120V / 277V			40W and Less	41W - 80W		
Lutron	PowPak dimming module	RMJ-EC032-DV-B	100%-1%	1–32	1 – 16	
Lutron	Energi Savr Node	QSN-1ECO-S, QSN-2ECO-S	100%-1%	1–64	1-32	
Lutron	GRAFIK Eye QS (120V ONLY)	QSGRJE, QSGRE	100%-1%	1–64	1-32	
Lutron	Quantum	Various	100%-1%	1–64	1-32	

<sup>\*</sup> 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.

### DIML4 ECOSYS CONTROLS







### **DIMMING DRIVER WIRING SCHEMES:**

Note: 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.

# <u>DIML6A LED</u>: <u>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)</u>

DIML6A Dimmer Compatibility Chart						
	B 1 .	B AN I	Dimmed Light	Oty Fixtures		
Manufacturer	Product	Part Number	Output Range	Per Dimmer*		
120V & 277V	120V & 277V					
Lutron	Diva	DVTV/NFTV/NTFTV with PP-20	99% - 0.1%	dimmer load rating for		
Lutron	Energi Savr Node	QSN-4T16-S	100% - 0.1%	maximum and minimum		
Lutron	GP Dimming Panels	TVM2 Module	99% - 0.1%	fixture quantities per		
Lutron	Interfaces	GRX-TVI w/ GRX3503	100% - 0.1%	dimmer.		
Sensor Switch	nIO	nIO EZ	100% - 0.1%			

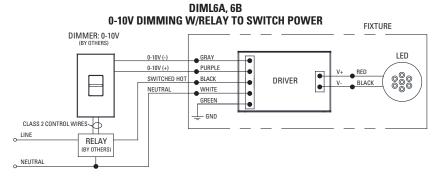
<sup>\*</sup> NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

### <u>DIML6B LED</u>: <u>EldoLED SOLOdrive 561/S 0-10V control 100%-0.1% logarithmic-programmed dimming driver for use with 100%-0.1% logarithmic-programmed driver for use with 100%-0.1% lo</u>

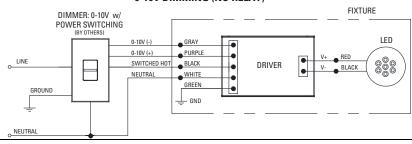
linear-style controls (e.g., Crestron, non-Lutron, and others listed in the table below)

DIML6B Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Light Output Range	Oty Fixtures Per Dimmer*	
120V & 277V				Refer to	
Bush-Jaeger	Electronic potentiometer	2112U-101	100% - 0.1%	manufacturer's	
Jung	Electronic potentiometer	240-10	100% - 0.1%	dimmer load rating	
Leviton	IllumaTech dimmer	IP710-DLX	100% - 0.1%	for maximum and	
Lightolier (Philips)	Momentum (120V ONLY)	ZP600FAM120	100% - 0.1%	minimum fixture	
Merten	Electronic potentiometer	5729	100% - 0.1%	quantities per	
Pass & Seymour	Titan	CD4FB-W	100% - 0.1%	dimmer.	
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-DIMFLV8, GLXP-DIMFLV8	100% - 0.1%		
Crestron	Green Light	GLPAC-DIMFLV4-, GLPAC-DIMFLV8-	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%		

<sup>\*</sup> NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



### DIML6A, 6B 0-10V DIMMING (NO RELAY)





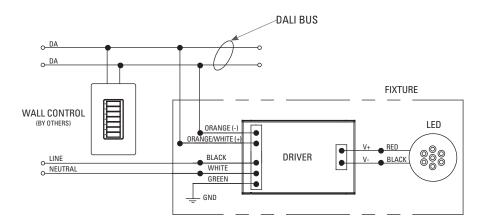


### **DIMMING DRIVER WIRING SCHEMES:**

Note: 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.

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

### DIML7 **DALI CONTROLS**





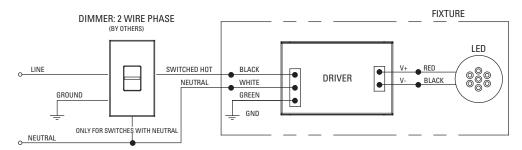


### **DIMMING DRIVER WIRING SCHEMES:**

Note: 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.

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

# DIML9 2 WIRE PHASE DIMMING







### **DIMMING DRIVER WIRING SCHEMES:**

Note: 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.

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

### DIML10 2 WIRE PHASE DIMMING

