

## DOWNLIGHT 3021RT

PhOJI	ECT INFORMATION
PROJECT	
DATE	
TYPE	



BeveLED 2.1 Retrofit Recessed Downlight - The BeveLED 2.1 Retrofit provides maximum delivered lumens and optical performance through the optimization of thermal, optical and LED science in the smallest possible aperture, without compromising existing construction.

#### **DELIVERED PERFORMANCE**

BeveLED 2.1	9 W	atts	12 V	/atts	16 W	atts	24 W	atts	33 Watts		
DOWNLIGHT ( )		90+		90+		90+		90+		90+	
	80+	HIGH	80+	HIGH	80+	HIGH	<del>80+</del>	HIGH	80+	HIGH	
Color Rendering Index	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	
Lumens per Watt	93	68	86	67	86	67	80	63	71	57	
Source Lumens	1150	900	1300	1025	1725	1350	2400	1875	3025	2350	
<b>Delivered Lumens</b>	775	600	1025	800	1375	1075	1925	1500	2400	1875	
Color Consistency	2-Step MacAdam Ellipse										

Performance based on 3000K

<b>CCT MULTIPLIER</b>	2200K	270	OK	300	0K	3500K	4000K
	80+	80+	90+ HIGH	80+	90+ HIGH	80+	80+
Color Rendering Index Multiplier for Lumen Output	0.72	0.94	0.78	1.00	.78	1.00	1.06

90+ CRI is not available for 2200K, 3500K, or 4000K

### <u>1" Regress</u> 1" Regress **Bevel Finish Retrofit Flange** Finish (10, 13, 21, 28, RAL) 3½" Ø 41/2" Ø 513/16" Ø

#### **HOW TO SPECIFY**

Ordering Example: Specify trim code and housing code to order:

Example: 3021RT - B1 - S - 10 - LRTD4 - 9012 - C3 - 27KS - 25 -RT10 - 120V - DIML2

#### TRIM ORDERING INFORMATION

TRIM	OPTION		BEVEL STYLE		LENS	B1 BEVEL FINISH
3021RT		-		-		-
3021RT Round Retrofit Downlight 1" Regress	W Wet location <sup>1</sup> <sup>1</sup> Wet location, use with B1 trims only.	B1	1" Regress Bevel, Painted Die Cast	_	Solite (provided standard) Frosted	10 White 13 Statuary Bronze 21 Black 28 Metalized Grey RAL Custom Color (specify RAL #)
		AB1	1" Regress Bevel, Black Anodized Finish	S	Solite (provided	(Leave blank for AB1 and AC1 Bevel Styles)
		AC1	1" Regress Bevel, Clear Matte Anodized Finish	F	standard) Frosted	Act Devel digites)



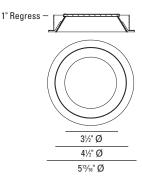
	RING INFORMAT					RETROFIT	SELECT ONE	
HOUSING CODE	WATTAGE	ENGINE COL	E COLOR	REFLECTOR		FLANGE FINISH	VOLTAGE	DIMMING DRIVER
LRTD4		C3	-	-	-	RT		-
LRTD4	9009 9W LED	C3	22KS 2200K, 80+ CRI	25 25° beam	10	White	120V	For use with 120V or 277V
	<b>9012</b> 12W LED		27KS 2700K, 80+ CRI	<b>50</b> 50° beam	13	Statuary Bronze	277V	DIML2 0-10V dim, 10% (provided standard)
	<b>9016</b> 16W LED		30KS 3000K, 80+ CRI	90 90° beam	21	Black		DIML4 Lutron A 3-wire/ECO, 1%
	9024 24W LED		35KS 3500K, 80+ CRI		28	Metalized Grey		DIML4E Lutron 5 ECO, 5% <sup>2</sup>
	9033 33W LED		40KS 4000K, 80+ CRI		RAL			DIML4H Lutron H ECO, 1% Fade <sup>2</sup>
			27KH 2700K, 90+ CRI			(specify RAL #)		<b>DIML6A</b> EldoLED 0-10V, 0.1%, logarithmic / Lutron controls
			<b>30KH</b> 3000K, 90+ CRI					DIML6B EldoLED 0-10V Linear, 0.1%, linear controls
								DIML6E EldoLED 0-10V, 1%, logarithmic/Lutron controls
								DIML6F EldoLED 0-10V, 1%, linear controls
								DIML7 EldoLED DALI, 0.1%
	See performance		2 Step MacAdam				120V	For use with 120V only
	chart for precise lumen information.		ellipse is standard					DIML3 Lutron A 2-wire, 1%, 120V only
	lamon information.		for all					<b>DIML19</b> Phase 2-wire dimming, 1%, 120V only <sup>2, 3</sup>
								For use with 347V only
							347V	<b>DIML15</b> 0-10V dim, 1%, 347 only
							<sup>2</sup> N/A with <sup>3</sup> N/A with	



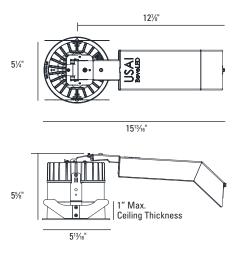
## BeveLED2.1 RETROFIT

## MM → DOWNLIGHT 3021RT

#### TRIM INFORMATION



#### **HOUSING INFORMATION**



**TRIM:** 4-1/2" round aperture with a 1" regressed bevel, retained by three ball plungers. Die cast aluminum bevel is available in white, statuary bronze, black, and metalized grey finishes. Retrofit flange finish is available in white, statuary bronze, black, and metallized gray painted finishes; flange is part of the housing and the flange color is specified in the housing part number. If no color is selected, white will be provided. Custom colors available (provide RAL#).

**TRIM LENS**: Trim is shipped with integral solite lens standard; frosted lens available as an option.

**REFLECTOR:** Interchangeable precision injection molded specular polycarbonate reflector optimized for 25°, 50° or 90° beam distribution.

**FIELD REPLACEABLE LIGHT ENGINE**: Available in 5 lumen packages: 9W, 12W, 16W, 24W and 33W. Engine is field replaceable through the aperture without tools. See performance chart for precise lumen output information.

COLOR: BeveLED 2.1 is available in 5 color temperatures (2200K, 2700K, 3000K, 3500K, 4000K). All color options are tightly binned for fixture-to-fixture color consistency within a 2-Step MacAdam Ellipse. 80+ color rendering index provided standard. 90+ CRI available for 2700K and 3000K

**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 driver with a high power factor provided standard and sources 2mA. 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 and DIML6E logarithmic control are intended for use with Lutron control systems; DIML6B and 6F linear control are intended for use with non-Lutron controls. DIML15 and DIML6 dimming drivers source 2mA.

EMERGENCY: No emergency options available.

**MOUNTING:** Installs from below. Fixture is held in place with (2) leaf springs attached to flanged die cast aluminum mounting collar, powder-coated with finish color of choice (specify color). If no color is selected, white will be provided.

**HOUSING:** Flanged die cast aluminum mounting collar is attached to die cast aluminum heatsink with 20 gauge black powder-coated steel sleeve. 16 gauge galvanized steel junction box contains driver and has (2) 7/8" knock outs.

CEILING CUT OUT: 5-1/2"Ø

**MAXIMUM CEILING THICKNESS:** As per drawings above.

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.
- Not for use with acoustical ceiling tiles.

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





#### **DELIVERED PERFORMANCE**

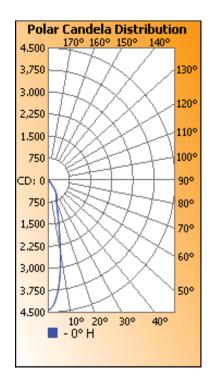
#### 3021RT 16W 30KS 25°

Coeffici	ents	s Of Utilization - Zonal Cavity Method																
											Effe	ctive	Floor	Cavi	ity Reflectance: 209			20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.11	1.09	1.07	.94	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2	1.09	1.04	1.00	.97	1.06	1.02	.99	.89	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3	1.04	.98	.93	.89	1.02	.96	.92	.84	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4	.99	.92	.87	.83	.97	.91	.86	.79	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5	.95	.87	.82	.78	.93	.86	.81	.75	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6	.91	.83	.77	.73	.89	.82	.77	.71	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7	.87	.79	.73	.69	.86	.78	.73	.68	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8	.83	.75	.69	.66	.82	.74	.69	.65	.73	.69	.65	.72	.68	.65	.71	.68	.65	.64
9	.80	.72	.66	.63	.79	.71	.66	.62	.70	.66	.62	.69	.65	.62	.69	.65	.62	.61
10	.77	.69	.63	.60	.76	.68	.63	.59	.67	.63	.60	.67	.62	.59	.66	.62	.59	.58

#### Zonal Lumen Summary

Zone Lumens % Luminaire
0-30 1,033.0 74.8%
0-40 1,268.7 91.9%
0-60 1,353.3 98%
60-90 28.0 2%
70-100 9.3 0.7%
90-120 0 0%

	Illuminance at a Distance									
	Center Beam fc	Beam Width								
2.0ft	1,106.1 fc	0.8 ft								
4.0ft	276.5 fc	1.5 ft								
6.0ft	122.9 fc	2.3 ft								
8.0ft	69.1 fc	3.1 ft								
10.0ft	44.2 fc	3.9 ft								
12.0ft	30.7 fc	4.6 ft								
14.0ft	22.6 fc	5.4 ft								
16.0ft	173fc 62ft									
	Beam Spread: 21.9°									



#### 3021RT 33W 30KS 25°

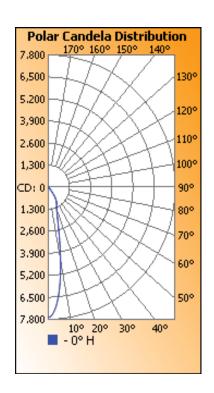
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Coeffici	ents	of U	tiliza	ation	- Zo	nal C	avit	y Me	thod									
											Effe	ctive	Floor	Cavi	ty Ref	flecta	nce:	20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.11	1.09	1.07	.94	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2	1.09	1.04	1.00	.97	1.06	1.02	.99	.89	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3	1.04	.98	.93	.89	1.02	.96	.92	.84	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4	.99	.92	.87	.83	.97	.91	.86	.79	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5	.95	.87	.82	.78	.93	.86	.81	.75	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6	.91	.83	.77	.73	.89	.82	.77	.71	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7	.87	.79	.73	.69	.86	.78	.73	.68	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8	.83	.75	.69	.66	.82	.74	.69	.65	.73	.69	.65	.72	.68	.65	.71	.68	.65	.64
9	.80	.72	.66	.63	.79	.71	.66	.62	.70	.66	.62	.69	.65	.62	.69	.65	.62	.61
10	.77	.69	.63	.60	.76	.68	.63	.59	.67	.63	.60	.67	.62	.59	.66	.62	.59	.58

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,799.7	74.8%
0-40	2,210.3	91.9%
0-60	2,357.6	98%
60-90	48.7	2%
70-100	16.1	0.7%
90-120	0	0%

	Illuminance at a	a Distance								
	Center Beam fc	Beam Width								
2.0ft	1,927.0 fc	0.8 ft								
4.0ft	481.8 fc	1.5 ft								
6.0ft	214.1 fc	2.3 ft								
8.0R	120.4 fc	3.1 ft								
10.0ft	77.1 fc	3.9 ft								
12.0ft	53.5 fc	4.6 ft								
14.0ft	39.3 fc	5.4 ft								
16.0ft	30 1 fc 6 2 ft									
	Beam Spread: 21.9°									





#### **DELIVERED PERFORMANCE**

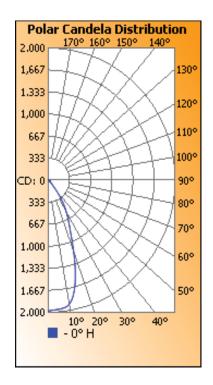
#### 3021RT 16W 30KS 50°

Coeffici	ents	of U	tiliza	tion	- Zoı	nal C	avit	у Ме	thod									
											Effe	ctive	Floor	Cavi	ty Ref	lecta	nce:	20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	<u>70</u>	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.08	1.06	1.11	1.09	1.06	.94	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94
2	1.08	1.03	.99	.96	1.06	1.01	.98	.88	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3	1.03	.96	.92	.88	1.01	.95	.91	.82	.92	.89	.86	.90	.87	.84	.88	.85	.83	.81
4	.98	.91	.85	.81	.96	.89	.84	.77	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5	.93	.85	.79	.75	.92	.84	.79	.73	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72
6	.89	.80	.75	.70	.87	.80	.74	.69	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7	.85	.76	.70	.66	.84	.75	.70	.65	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64
8	.81	.72	.66	.62	.80	.71	.66	.61	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9	.78	.68	.63	.59	.77	.68	.63	.58	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
10	.74	.65	.60	.56	.73	.65	.59	.55	.64	.59	.56	.63	.59	.55	.62	.58	.55	.54

#### Zonal Lumen Summary

Zone Lumens % Luminaire 74.9% 0-30 1,003.8 0-40 1,227.7 91.6% 0-60 1,309.5 97.7% 60-90 30.3 2.3% 70-100 9.8 0.7% 90-120 0 0%

	Illuminance at a Distance									
	Center Beam fc	Beam Width								
2.0ft	495.9 fc	1.6 ft								
4.0ft	124.0 fc	3.3 ft								
6.0R	55.1 fc	4.9 ft								
8.0ft	31.0 fc	6.5 ft								
10.0ft	19.8 fc	8.2 ft								
12.0ft	13.8 fc	9.8 ft								
14.0ft	10.1 fc	11.4 ft								
16.0ft	7.7 fc	13.1 ft								
	Beam Spread: 44.4°									



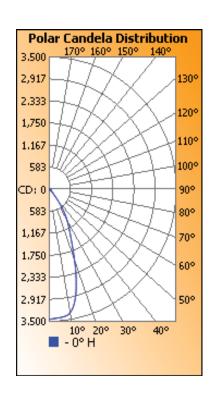
#### 3021RT 33W 30KS 50°

Coeffici	ents	Of U	tiliza	ation	- Zo	nal C	avit	у Ме	thod									
											Effe	ctive	Floor	Cavi	ty Ref	lecta	nce:	20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.08	1.06	1.11	1.09	1.06	.94	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94
2	1.08	1.03	.99	.96	1.06	1.01	.98	.88	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3	1.03	.96	.92	.88	1.01	.95	.91	.82	.92	.89	.86	.90	.87	.84	.88	.85	.83	.81
4	.98	.91	.85	.81	.96	.89	.84	.77	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5	.93	.85	.79	.75	.92	.84	.79	.73	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72
6	.89	.80	.75	.70	.87	.80	.74	.69	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7	.85	.76	.70	.66	.84	.75	.70	.65	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64
8	.81	.72	.66	.62	.80	.71	.66	.61	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9	.78	.68	.63	.59	.77	.68	.63	.58	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
10	.74	.65	.60	.56	.73	.65	.59	.55	.64	.59	.56	.63	.59	.55	.62	.58	.55	.54

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,748.8	74.9%
0-40	2,138.9	91.6%
0-60	2,281.3	97.7%
60-90	52.9	2.3%
70-100	17.1	0.7%
90-120	0	0%

	Illuminance at	a Distance
	Center Beam fc	Beam Width
2.0A	863.9 fc	1.6 ft
4.0ft	216.0 fc	3.3 ft
6.0ft	96.0 fc	4.9 ft
8.0ft	54.0 fc	6.5 ft
10.0ft	34.6 fc	8.2 ft
12.0ft	24.0 fc	9.8 ft
14.0ft	17.6 fc	11.4 ft
16.0ft	13.5 fc	13.1 ft
	Beam Spread: 44.4°	





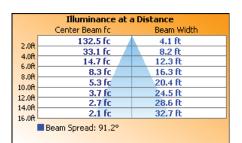
#### **DELIVERED PERFORMANCE**

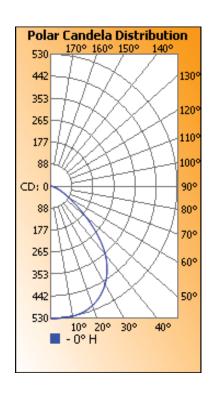
#### 3021RT 16W 30KS 90°

Coeffici	ents	of U	tiliza	tion	- Zoı	nal C	avit	у Ме	thod									
											Effe	ctive	Floor	Cavi	ty Ref	lecta	nce:	20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	<u>70</u>	50	30	0	<u>70</u>	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.08	1.04	1.01	1.09	1.05	1.02	.90	1.01	.99	.97	.97	.96	.94	.94	.92	.91	.89
2	1.03	.97	.91	.87	1.01	.95	.90	.79	.92	.87	.84	.88	.85	.82	.86	.83	.80	.78
3	.96	.87	.80	.75	.94	.86	.79	.70	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4	.89	.79	.71	.66	.87	.78	.71	.63	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5	.83	.72	.64	.58	.81	.71	.63	.56	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6	.77	.65	.57	.52	.75	.64	.57	.50	.63	.56	.51	.61	.55	.51	.60	.54	.50	.49
7	.72	.60	.52	.47	.70	.59	.52	.45	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8	.67	.55	.47	.42	.66	.54	.47	.41	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9	.63	.51	.43	.38	.62	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10	.59	.47	.40	.35	.58	.47	.40	.34	.46	.39	.35	.45	.39	.35	.44	.38	.35	.33

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	420.6	39.2%
0-40	675.0	62.9%
0-60	998.8	93.1%
60-90	73.5	6.9%
70-100	23.0	2.1%
90-120	0	0%





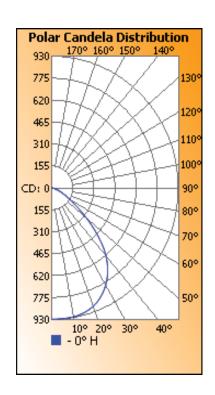
#### 3021RT 33W 30KS 90°

Coeffici	ents	of U	tiliza	ation	- Zoı	nal C	avit	y Me	thod									
											Effe	ctive	Floor	Cavi	ty Ref	lecta	nce:	20%
RCC %:		8	0			7	0			<i>50</i>			<i>30</i>			<i>10</i>		0
RW %:	70	50	30	0	<u>70</u>	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.08	1.04	1.01	1.09	1.05	1.02	.90	1.01	.99	.97	.97	.96	.94	.94	.92	.91	.89
2	1.03	.97	.91	.87	1.01	.95	.90	.79	.92	.87	.84	.88	.85	.82	.86	.83	.80	.78
3	.96	.87	.80	.75	.94	.86	.79	.70	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4	.89	.79	.71	.66	.87	.78	.71	.63	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5	.83	.72	.64	.58	.81	.71	.63	.56	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6	.77	.65	.57	.52	.75	.64	.57	.50	.63	.56	.51	.61	.55	.51	.60	.54	.50	.49
7	.72	.60	.52	.47	.70	.59	.52	.45	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8	.67	.55	.47	.42	.66	.54	.47	.41	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9	.63	.51	.43	.38	.62	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10	.59	.47	.40	.35	.58	.47	.40	.34	.46	.39	.35	.45	.39	.35	.44	.38	.35	.33

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	732.8	39.2%
0-40	1,175.9	62.9%
0-60	1,740.1	93.1%
60-90	128.0	6.9%
70-100	40.1	2.1%
90-120	0	0%

	Illuminance at a	a Distance
	Center Beam fc	Beam Width
2.0R	230.8 fc	4.1 ft
4.0ft	57.7 fc	8.2 ft
6.0ft	25.6 fc	12.3 ft
8.0ft	14.4 fc	16.3 ft
8.UR 10.0R	9.2 fc	20.4 ft
	6.4 fc	24.5 ft
12.0ft - 14.0ft -	4.7 fc	28.6 ft
16.0ft	3.6 fc	32.7 ft
	Beam Spread: 91.2°	





## DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D2 / 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.

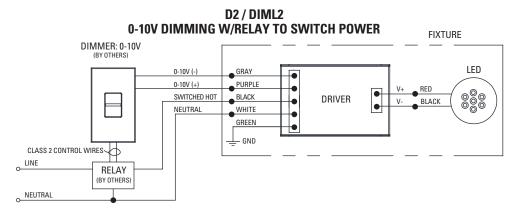
## IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

- 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).

#### D2 / DIML2 LED: 0-10V Dimming Driver Wiring (Dims down to 10%)

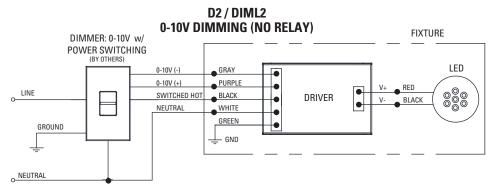
	D2 / DIML2 Dim	mer Compatibility C	hart	
			Dimmed Light	Oty Fixtures Per Dimmer*
<u>Manufacturer</u>	Product	Part Number	Output Range	Per Dimmer*
120V / 277V				Use source current per
Crestron	iLux dimmer expansion module	CLS-EXP-DIMFLV	100% - 10%	fixture specification
Crestron	DIN Rail dimmer	DIN-4DIMFLV4	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%	ag.
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.



#### 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.



## DIMMING DRIVER COMPATIBILITY **SELECTION GUIDE** D3/DIML3

#### **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

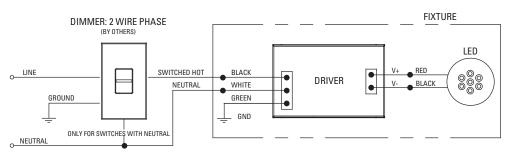
- 1. Keep these instructions in a safe place for future reference.
- 2. Only qualified electricians in accordance to local codes should install these fixtures.
- 3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
- 4. Make sure all connections are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

#### D3 / DIML3 LED: Lutron Hi-Lume A-Series 2 Wire Fwd Phase (with neutral) / LED Dimming Driver Wiring (Dims down to 1%) 120V

	D3 / DIML3 Dimmer Comp	natibility Chart			
			Dimmed Light	Oty Fixtures F	Per Dimmer*
Manufacturer	Product	Part Number	Output Range		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	HQRJ-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	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
Lutron	Nova T CL 250W dimmer	NTCL-250-	100%-1%	1 – 10	1 – 5

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

#### D3 / DIML3 **2 WIRE PHASE DIMMING**







## **DIMMING DRIVER COMPATIBILITY SELECTION GUIDE** D4/DIML4

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

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).

#### D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with 3-Wire FL Control / LED Dimming Driver Wiring (Dims down to 1%)

	D4	/ DIML4 3-Wire Dimmer Compatibili	ity Chart		
			Dimmed Light	Oty Fixtures Per	
Manufacturer	Product	Part Number	Output Range		Wattage
120V Only	I	I = =		39W and Less	40W - 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	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	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	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	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%	1–88	1-44
Lutron	GP Dimming Panels	Various	100%-1%	1–88	1-44

<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 wiring diagrams continued on next page





## DIMMING DRIVER COMPATIBILITY **SELECTION GUIDE** D4 / DIML4 Continued

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

#### NOTES:

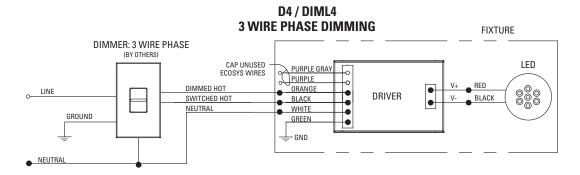
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

#### **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).

#### D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with 3-Wire FL Control / LED Dimming Driver Wiring (Dims down to 1%)

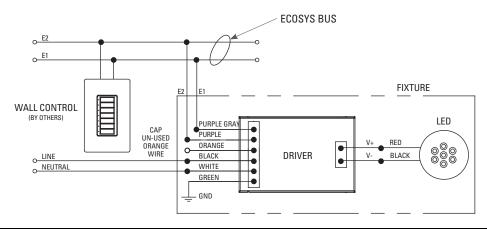


#### D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with EcoSystem Control / LED Dimming Driver Wiring (Dims down to

	D4 / DIML4 EcoSystem Dimmer Compatibility Chart												
			Dimmed Light										
Manufacturer	Product	Part Number	Output Range	Fixture	Wattage								
120V / 277V				39W and Less	40W - 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.

#### D4 / DIML4 **EcoSystem CONTROLS**







# DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D4E / DIML4E and D4H /DIML4H

#### **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**

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- 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).

#### D4E / DIML4E LED: Lutron 5 Series EcoSystem LED Driver / LED Dimming Driver Wiring (Dims down to 5%)

D4E / DIML4E EcoSystem Dimmer Compatibility Chart					
			Dimmed Light		
Manufacture	r Product	Part Number	Output Range	Fixture V	/attage
120V / 277V 39W and Less 40W - 8			40W - 80W		
Lutron	PowPak dimming module	RMJ-EC032-DV-B	100%-5%	1–32	1-16
Lutron	Energi Savr Node	QSN-1ECO-S, QSN-2ECO-S	100%-5%	1–64	1-32
Lutron	GRAFIK Eye QS (120V ONLY)	QSGRJ- E, QSGR- E	100%-5%	1–64	1-32
Lutron	Quantum	Various	100%-5%	1–64	1-32

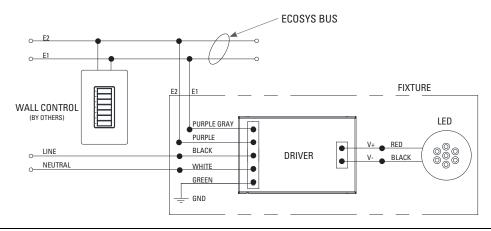
<sup>\*</sup> NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

#### D4H / DIML4H LED: Lutron H Series EcoSystem LED Driver with Fade to Black (dims down to 1%)

	D4H / DIML4H EcoSystem Dimmer Compatibility Chart					
			Dimmed Light	Oty Fixtures Pe	r Control*	
Manufacturer	Product	Part Number	Output Range	Fixture	Wattage	
120V / 277V 39W and Less 40W - 80				40W - 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.

#### D4E / DIML4E and D4H / DIML 4H EcoSystem CONTROLS







# DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D6A / DIML6A and D6E / DIML6E D6B / DIML6B and D6F / DIML6F

## 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).

#### D6A / DIML6A and D6E / DIML6E LED Dimming Compatibility Table

D6A / DIML6A and D6E / DIML6E are linearly programmed dimming drivers for use with logarithmic-style dimming controls (e.g., Lutron and others listed in the table below) D6A / DIML6A = EldoLED SOLOdrive 0-10V control dims from 100% to 0.1%

D6E / DIML6E = EldoLED ECOdrive 0-10V control dims from 100% to 1%

D6A / DIML6A and D6E / DIML6E Dimmer Compatibility Chart					
			Dimmed Light	Qty Fixtures	
Manufacturer	Product	Part Number	Output Range	Per Dimmer*	
120V & 277V DIML6A 6E Refer to manufactu				Refer to manufacturer's	
Lutron	Diva	DVTV/NFTV with PP-20	99% - 0.1% 1%	dimmer load rating for	
Lutron	Nova T	NTFTV with PP-20	99% - 0.1% 1%	maximum and minimum	
Lutron	Energi Savr Node	QSN-4T16-S	100% - 0.1% 1%	fixture quantities per	
Lutron	GP Dimming Panels	TVM2 Module	99% - 0.1% 1%	dimmer.	
Lutron	Interfaces	GRX-TVI w/ GRX3503	100% - 0.1% 1%	Enlighted compatible.	
Sensor Switch	nIO	nIO EZ	100% - 0.1% 1%		
enlighted	Control Unit	CU-3E-1R	100% - 0.1% 1%		

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

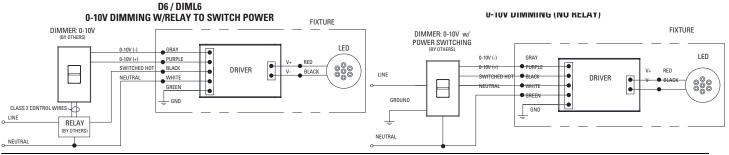
#### D6B / DIML6B and D6F / DIML6F LED Dimming Compatibility Table

D6B / DIML6B and D6F / DIML6F are logarithmic-programmed dimming drivers for use with linear-style dimming controls (e.g., Crestron, non-Lutron and others listed below)
D6B / DIML6B = EldoLED S0L0drive 0-10V control dims from 100% to 0.1% D6F / DIML6F = EldoLED ECOdrive 0-10V control dims from 100% to 1%

D6B / DIML6B and D6F / DIML6F Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Ligh Output Range		Oty Fixtures Per Dimmer*
120V & 277V			DIML6B	6F	
Bush-Jaeger	Electronic potentiometer	2112U-101	100% - 0.1%	1%	Refer to
Jung	Electronic potentiometer	240-10	100% - 0.1%	1%	manufacturer's
Leviton	lluma Tech dimmer	IP710-DLX	100% - 0.1%	1%	dimmer load
Lightolier (Philips)	Momentum (120V ONLY)	ZP600FAM120	100% - 0.1%	4.0/	rating for
Merten	Electronic potentiometer	5729	100% - 0.1%	1%	maximum and
Pass & Seymour	Titan	CD4FB-W	100% - 0.1%	1%	
Watt Stopper	Miro	DCLV1	100% - 0.1%		quantities per
Synergy	Wallbox Dimmers	ISD BC	100% - 0.1%	1%	dimmer.
ABB	i-bus	SD/S 2.16.1	100% - 0.1%	1%	Enlighted
Crestron	Modules	GLX-DIMFLV8, GLXP-DIMFLV8	100% - 0.1%	1%	compatible.
Crestron	Green Light	GLPAC-DIMFLV4-, GLPAC-DIMFLV8-	100% - 0.1%	1%	Compatible.
Crestron	Green Light Power Pack	GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM	100% - 0.1%	1%	
Crestron		DIN-A08	100% - 0.1%	1%	
Crestron	DIN Rail 0-10V Fluorescent Dimmer	DIN-4DIMFLV4	100% - 0.1%	1%	
Crestron	iLux 0-10V Dimmer Expansion Module	CLS-EXP-DIMFLV	100% - 0.1%	1%	
enlighted	Control Unit	CU-3E-1R	100% - 0.1%	1%	

#### **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.







# DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D7 / DIML7 and D7E

#### **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**

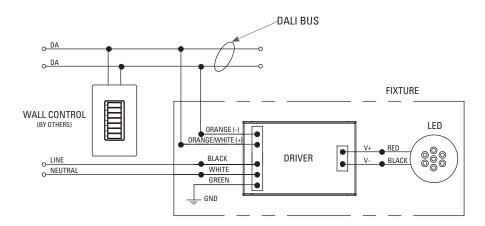
#### - SAVE THESE INSTRUCTIONS

- 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).

#### **D7 / DIML7 and D7E Dimming Driver Wiring**

D7 / DIML7 and D7E are linearly programmed dimming drivers.
D7 / DIML7 = EldoLED SOLOdrive DALI control dims from 100% to 0.1%
D7E = EldoLED ECOdrive DALI control dims from 100% to 1%

#### D7 / DIML7 / D7E DALI CONTROLS







## DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D15 / DIML15

#### **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

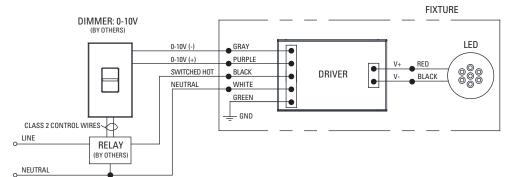
- 1. Keep these instructions in a safe place for future reference.
- 2. Only qualified electricians in accordance to local codes should install these fixtures.
- 3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
- 4. Make sure all connections are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

#### D15 / DIML15 LED: 0-10V, 347V Dimming Driver Wiring (Dims down to 1%) 347V Only

D15 / DIML15 Dimmer Compatibility Chart				
NA 6 1	B 1 .	Dimmed Light	Oty Fixtures	
Manufacturer	Product	Output Range	Per Dimmer*	
347			Use source current per	
Acuity	Synergy ISD-BC	100% - 1%	fixture specification	
Douglas Lighting	WPN-5721, WPN-5822	100% - 1%	sheet to determine	
Hubbell	Light Hawk2 LHD-IRS3-N347-xx	100% - 1%	number of fixtures per	
Leviton	Illumatech IP710-DLZ with 347V relay	100% - 1%	dimmer. Max number	
Leviton	Centura Fluorescent Control System	100% - 1%	of fixtures is limited by	
Lutron	Nova NFTV-* dimmer plus 347V relay	100% - 1%	dimmer load rating.	
Lutron	Diva DVTV-* dimmer plus 347V relay	100% - 1%	ag.	

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

#### D15 / DIML15 0-10V DIMMING W/RELAY TO SWITCH POWER



#### 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.



## DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D19 / DIML19

#### **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.

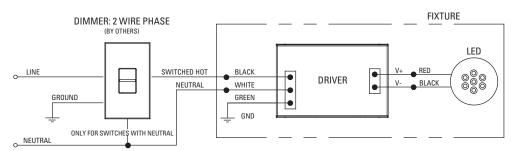
#### **IMPORTANT SAFETY INSTRUCTIONS**

#### - 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).

<u>D19 / DIML19 LED</u>: Hatch XTC series or equivalent - Forward and Reverse Phase Dimming Driver. Dims down to 1% contingent upon dimmer specification and load. 120V only.

#### D19 / DIML19 2 WIRE PHASE DIMMING



D19 / DIML19 Dimmer Compatibility Chart

120V ONLY				
Forward Phase / TRIAC Dimming				
Manufacturer	Product	Oty Fixtures Per Dimmer		
Leviton	IPL06-10Z	Use fixture wattage per		
	6613-xxx	fixture specification		
Lutron	S-600P	sheet to determine		
	S-603P	number of fixtures		
	DV-600P	per dimmer. Max number		
	DV-603P	of fixtures is limited by		
	DVSC-603P	dimmer load rating.		
	CT-600P			
	CT-603P			

120V ONLY					
Reverse Phase /	Reverse Phase / ELV Dimming				
Manufacturer	Product	Oty Fixtures Per Dimmer			
Leviton	6615	Use fixture wattage per			
	IPE04-xxx	fixture specification			
Lutron	NTELV-300	sheet to determine			
	NTELV-600	number of fixtures			
	SELV-300P	per dimmer. Max number			
	SELV-303P	of fixtures is limited by			
	DVELV-300P	dimmer load rating.			
	DVELV-303P	_			

