DOWNLIGHT 3110RT



PROJECT INFORMATION PROJECT	
DATE	
	1" Regress

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

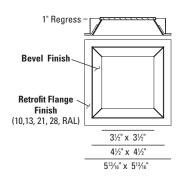
BeveLED 2.1	9 W	atts	12 W	/atts	16 W	atts	24 W	atts	33 Watts		
1" REGRESS		90+		90+		90+		90+		90+	
DOWNLIGHT	+08	HIGH	80+	HIGH	80+	HIGH	80+	HIGH	80+	HIGH	
Color Rendering Index	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	CRI	
Lumens per Watt	100	74	93	73	93	72	86	67	77	62	
Source Lumens	1150	900	1300	1025	1725	1350	2400	1875	3025	2350	
Delivered Lumens	850	675	1125	875	1475	1150	2050	1600	2600	2025	
Color Consistency				2-Ster	MacΑ	dam Flli	nse				

Performance based on 3000K

CCT MULTIPLIER	2200K	270	0K	300	0K	3500K	4000K
			90+		90+		
	80+	+08	HIGH	80+	HIGH	80+	80+
Color Rendering Index	CRI	CRI	CRI	CRI	CRI	CRI	CRI
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

1" Regress



HOW TO SPECIFY

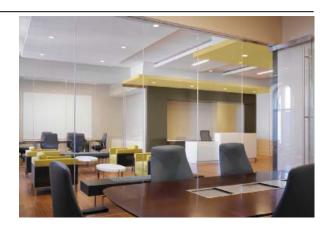
Ordering Example: Specify trim code and housing code to order:

Example: 3110RT - B1-S-10-LSTD4-9012-C3-27KS-25-RT10-120V-DIML2

TRIM ORDERING INFORMATION

HOUSING ORDERING INFORMATION

TRIM	OPTION		BEVEL STYLE		LENS	В	1 BEVEL FINISH	
3110RT		-		-		-		
3110RT Square Retrofit Downlight 1" Regress		B1	1" Regress Bevel, Painted Die Cast		Solite (provided standard) Frosted	13 21 28	White Statuary Bronze Black Metalized Grey Custom Color (specify RAL #)	
			1" Regress Bevel, Black Anodized Finish 1" Regress Bevel, Clear Matte Anodized Finish		Solite (provided standard) Frosted		e blank for AB1 and C1 Bevel Styles)	

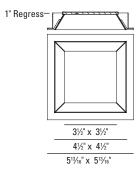


HUUSING UKDE	KING INFUKWAI	IUN				RETROFIT	SELECT ONE	OPTIONAL
HOUSING CODE	WATTAGE	ENGINE COD	E COLOR	REFLECTOR	F	FLANGE FINISH	VOLTAGE	DIMMING DRIVER
LSTD4		- С3	-	-	- [RT		
LSTD4	9009 9W LED	C3	22KS 2200K, 80+ CRI	25 25° beam	10	White	120V	For use with 120V or 277V
	9012 12W LED		27KS 2700K, 80+ CRI	50 50° beam	13	Statuary Bronze	277V	DIML2 0-10V dim, 10% (provided standard)
	9016 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% ²
	9033 33W LED		40KS 4000K, 80+ CRI			Custom Color		DIML4H Lutron H ECO, 1% Fade ²
			27KH 2700K, 90+ CRI		((specify RAL #)		DIML6A EldoLED 0-10V, 0.1%, logarithmic / Lutron controls
			30KH 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					For use with 120V only
	chart for precise lumen information.		ellipse is standard				120V	DIML3 Lutron A 2-wire, 1%, 120V only
	lumen imormation.		for all					DIML19 Phase 2-wire dimming, 1%, 120V only 2,3
								For use with 347V only
							347V	DIML15 0-10V dim, 1%, 347 only
							² N/A with	9W
							³ N/A with	

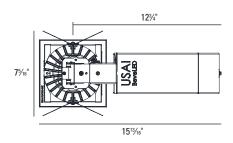


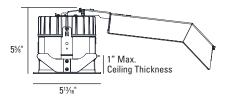
mm p DOWNLIGHT 3110RT

TRIM INFORMATION



HOUSING INFORMATION





SPECIFICATIONS

TRIM: 4-1/2" square aperture with a 1" regressed bevel, retained by four mounting clips. 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° heam 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 CCTs

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" x 5-1/2"

MAXIMUM CEILING THICKNESS: As per drawings above.

LISTINGS: Dry/Damp. Wet location option available with B1 trim only. NRTL/CSAUS 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

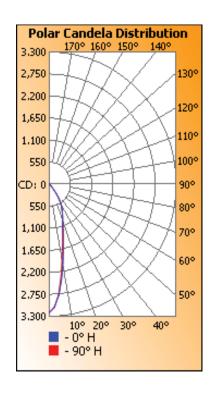
3110RT 16W 30KS 25°

Coeffici	ents	ts Of Utilization - Zonal Cavity							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	1.13	1.10	1.08	1.06	1.11	1.08	1.06	.94	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.93
2	1.08	1.03	.99	.95	1.05	1.01	.97	.87	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3	1.02	.96	.91	.87	1.00	.94	.90	.81	.92	.88	.84	.89	.86	.83	.87	.84	.82	.80
4	.97	.89	.84	.80	.95	.88	.83	.76	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5	.92	.84	.78	.74	.91	.83	.77	.71	.81	.76	.73	.79	.75	.72	.78	.74	.71	.70
6	.88	.79	.73	.69	.86	.78	.72	.67	.76	.72	.68	.75	.71	.67	.74	.70	.67	.65
7	.84	.74	.68	.64	.82	.74	.68	.63	.72	.67	.64	.71	.67	.63	.70	.66	.63	.62
8	.80	.70	.64	.60	.78	.70	.64	.59	.69	.63	.60	.68	.63	.60	.67	.62	.59	.58
9	.76	.67	.61	.57	.75	.66	.60	.56	.65	.60	.56	.64	.60	.56	.63	.59	.56	.55
10	.73	.63	.58	.54	.72	.63	.57	.53	.62	.57	.53	.61	.57	.53	.60	.56	.53	.52

Zonal Lumen Summary

Zone Lumens % Luminaire 0-30 1,001.9 67.6% 0-40 1,309.7 88.3% 0-60 1,450.7 97.9% 60-90 31.7 2.1% 70-100 12.1 0.8% 90-120 0 0%

	Illuminance at	a Distance						
	Center Beam fc	Beam Width						
2.0ft	804.4 fc	0.9 ft	0.9 ft					
4.0ft	201.1 fc	1.9 ft	1.7 ft					
6.0R	89.4 fc	2.8 ft	2.6 ft					
8.0R	50.3 fc	3.8 ft	3.5 ft					
10.0ft	32.2 fc	4.7 ft	4.3 ft					
12.0ft	22.3 fc	5.6 ft	5.2 ft					
14.0ft	16.4 fc	6.6 ft	6.1 ft					
16.0ft	12.6 fc	7.5 ft	6.9 ft					
	Vert. Spread: 26.4° Horiz, Spread: 24.5°							

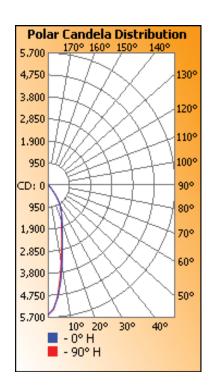


3110RT 33W 30KS 25°

Coeffici	ents	Of U	tiliza	ation	- Zoi	nal C	avit	y Me	thod									
											Effe	ctive	Floor	Cavi	ty Re	flecta	nce:	20%
RCC %:		8	0			7	0			50			30			10		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	1.0
1	1.13	1.10	1.08	1.06	1.11	1.08	1.06	.94	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.9
2	1.08	1.03	.99	.95	1.05	1.01	.97	.87	.98	.95	.92	.95	.92	.90	.92	.90	.88	.8
3	1.02	.96	.91	.87	1.00	.94	.90	.81	.92	.88	.84	.89	.86	.83	.87	.84	.82	.8
4	.97	.89	.84	.80	.95	.88	.83	.76	.86	.82	.78	.84	.80	.77	.82	.79	.76	.7
5	.92	.84	.78	.74	.91	.83	.77	.71	.81	.76	.73	.79	.75	.72	.78	.74	.71	.7
6	.88	.79	.73	.69	.86	.78	.72	.67	.76	.72	.68	.75	.71	.67	.74	.70	.67	.6
7	.84	.74	.68	.64	.82	.74	.68	.63	.72	.67	.64	.71	.67	.63	.70	.66	.63	.63
8	.80	.70	.64	.60	.78	.70	.64	.59	.69	.63	.60	.68	.63	.60	.67	.62	.59	.58
9	.76	.67	.61	.57	.75	.66	.60	.56	.65	.60	.56	.64	.60	.56	.63	.59	.56	.5
10	.73	.63	.58	.54	.72	.63	.57	.53	.62	.57	.53	.61	.57	.53	.60	.56	.53	.52

Zonal Lumen Summary									
Zone	Lumens	% Luminaire							
0-30	1,745.5	67.6%							
0-40	2,281.6	88.3%							
0-60	2,527.3	97.9%							
60-90	55.3	2.1%							
70-100	21.0	0.8%							
90-120	0	0%							

	Illuminance at a	a Distance						
	Center Beam fc	Beam Width						
2.0ft	1,401.4 fc	0.9 ft	0.9 ft					
4.0ft	350.4 fc	1.9 ft	1.7 ft					
6.0ft	155.7 fc	2.8 ft	2.6 ft					
8.0ft	87.6 fc	3.8 ft	3.5 ft					
10.0ft	56.1 fc	4.7 ft	4.3 ft					
12.0ft	38.9 fc	5.6 ft	5.2 ft					
14.0ft	28.6 fc	6.6 ft	6.1 ft					
16.0ft	21.9 fc	7.5 ft	6.9 ft					
	Vert. Spread: 26.4°							





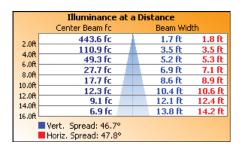
DELIVERED PERFORMANCE

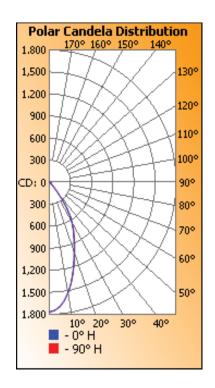
3110RT 16W 30KS 50°

Coeffici	ents	ts Of Utilization - Zonal Cavity I							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	1.13	1.10	1.07	1.05	1.11	1.08	1.06	.93	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2	1.07	1.02	.98	.94	1.05	1.00	.96	.86	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3	1.01	.94	.89	.85	.99	.93	.88	.80	.90	.86	.83	.88	.84	.82	.86	.83	.80	.79
4	.96	.88	.82	.78	.94	.87	.81	.74	.84	.80	.76	.82	.78	.75	.81	.77	.74	.73
5	.91	.82	.76	.71	.89	.81	.75	.69	.79	.74	.70	.77	.73	.70	.76	.72	.69	.67
6	.86	.77	.70	.66	.84	.76	.70	.64	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7	.82	.72	.66	.61	.80	.71	.65	.60	.70	.65	.61	.69	.64	.60	.67	.63	.60	.58
8	.77	.68	.61	.57	.76	.67	.61	.56	.66	.60	.57	.65	.60	.56	.64	.59	.56	.55
9	.74	.64	.57	.53	.72	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10	.70	.60	.54	.50	.69	.60	.54	.49	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48

Zonal Lumen Summary

Lumens	% Luminaire
927.0	64.5%
1,252.7	87.2%
1,402.0	97.6%
34.9	2.4%
13.1	0.9%
0	0%
	927.0 1,252.7 1,402.0 34.9 13.1





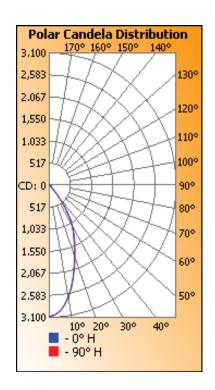
3110RT 33W 30KS 50°

Coeffici	ents	Of U	tiliza	ation	- Zo	nal C	avit	y Me	thod									
											Effe	ctive	Floor	Cavi	ty Re	flecta	nce:	20%
RCC %:		8	0			7	0			50			30			10		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	1.13	1.10	1.07	1.05	1.11	1.08	1.06	.93	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2	1.07	1.02	.98	.94	1.05	1.00	.96	.86	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3	1.01	.94	.89	.85	.99	.93	.88	.80	.90	.86	.83	.88	.84	.82	.86	.83	.80	.79
4	.96	.88	.82	.78	.94	.87	.81	.74	.84	.80	.76	.82	.78	.75	.81	.77	.74	.73
5	.91	.82	.76	.71	.89	.81	.75	.69	.79	.74	.70	.77	.73	.70	.76	.72	.69	.67
6	.86	.77	.70	.66	.84	.76	.70	.64	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7	.82	.72	.66	.61	.80	.71	.65	.60	.70	.65	.61	.69	.64	.60	.67	.63	.60	. 58
8	.77	.68	.61	.57	.76	.67	.61	.56	.66	.60	.57	.65	.60	.56	.64	.59	.56	.55
9	.74	.64	.57	.53	.72	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10	.70	.60	.54	.50	.69	.60	.54	.49	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,615.0	64.5%
0-40	2,182.4	87.2%
0-60	2,442.6	97.6%
60-90	60.8	2.4%
70-100	22.8	0.9%
90-120	0	0%

	Illuminance at	- D		
		aи		
	Center Beam fc		Beam Wid	th
2.0 R	772.8 fc		1.7 ft	1.8 ft
4.0ft	193.2 fc	L	3.5 ft	3.5 ft
6.0R	85.9 fc	II.	5.2 ft	5.3 ft
8.0R	48.3 fc		6.9 ft	7.1 ft
10.0R	30.9 fc		8.6 ft	8.9 ft
12.0R	21.5 fc		10.4 ft	10.6 ft
14.0ft	15.8 fc		12.1 ft	12.4 ft
16.0R	12.1 fc		13.8 ft	14.2 ft
	■ Vert. Spread: 46.7°			
	Horiz. Spread: 47.8°			





DELIVERED PERFORMANCE

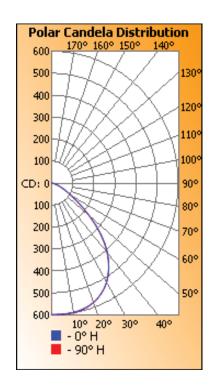
3110RT 16W 30KS 90°

Coeffici	Coefficients Of Utilization - Zonal Cavity Method																	
											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	1.11	1.07	1.04	1.01	1.09	1.05	1.02	.89	1.01	.99	.96	.97	.95	.93	.94	.92	.91	.89
2	1.03	.96	.91	.86	1.01	.95	.89	.79	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3	.95	.87	.80	.74	.93	.85	.79	.69	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4	.88	.78	.71	.65	.86	.77	.70	.62	.74	.68	.64	.72	.67	.63	.70	.66	.62	.60
5	.82	.71	.63	.57	.80	.70	.62	.55	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6	.76	.64	.56	.51	.74	.63	.56	.49	.62	.55	.50	.60	.54	.50	.59	.53	.49	.47
7	.71	.59	.51	.45	.69	.58	.51	.44	.57	.50	.45	.55	.49	.45	.54	.48	.44	.43
8	.66	.54	.46	.41	.65	.53	.46	.40	.52	.45	.41	.51	.45	.40	.50	.44	.40	.38
9	.62	.50	.42	.37	.61	.49	.42	.36	.48	.41	.37	.47	.41	.37	.46	.41	.36	.35
10	.58	.46	.39	.34	.57	.46	.39	.33	.45	.38	.34	.44	.38	.33	.43	.37	.33	.32

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	480.2	37.3%
0-40	779.3	60.5%
0-60	1,198.0	92.9%
60-90	91.0	7.1%
70-100	28.0	2.2%
90-120	0	0%

	Illuminance at a	Distance	
	Center Beam fc	Beam Wid	lth
2.0 R	148.9 fc	4.3 ft	4.2 ft
4.0ft	37.2 fc	8.5 ft	8.4 ft
6.0R	16.5 fc	12.8 ft	12.6 ft
8.0A	9.3 fc	17.0 ft	16.8 ft
10.0R	6.0 fc	21.3 ft	21.0 ft
12.0R	4.1 fc	25.6 ft	25.2 ft
14.0ft	3.0 fc	29.8 ft	29.4 ft
16.0ft	2.3 fc	34.1 ft	33.6 ft
	Vert. Spread: 93.6°		
	Horiz, Spread: 92.8°		



3110RT 33W 30KS 90°

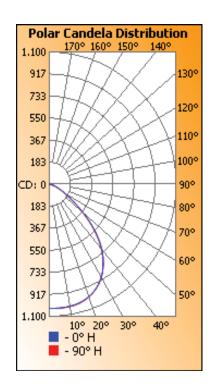
Coeffici	ents	Of U	tiliza	tion	- Zo	nal C	avit	y Me	thod									
											Effe	ctive	Floor	Cavi	ty Re	flecta	nce:	20%
RCC %:		8	0			7	0			50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1,11	1.07	1.04	1.01	1.09	1.05	1.02	.89	1.01	.99	.96	.97	.95	.93	.94	.92	.91	.89
2	1.03	.96	.91	.86	1.01	.95	.89	.79	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3	.95	.87	.80	.74	.93	.85	.79	.69	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4	.88	.78	.71	.65	.86	.77	.70	.62	.74	.68	.64	.72	.67	.63	.70	.66	.62	.60
5	.82	.71	.63	.57	.80	.70	.62	.55	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6	.76	.64	.56	.51	.74	.63	.56	.49	.62	.55	.50	.60	.54	.50	.59	.53	.49	.47
7	.71	.59	.51	.45	.69	.58	.51	.44	.57	.50	.45	.55	.49	.45	.54	.48	.44	.43
8	.66	.54	.46	.41	.65	.53	.46	.40	.52	.45	.41	.51	.45	.40	.50	.44	.40	.38
9	.62	.50	.42	.37	.61	.49	.42	.36	.48	.41	.37	.47	.41	.37	.46	.41	.36	.35
10	.58	.46	.39	.34	.57	.46	.39	.33	.45	.38	.34	.44	.38	.33	.43	.37	.33	.32

Zone	Lumens	% Luminaire
0-30	836.5	37.3%
0-40	1.357.7	60.5%

Zonal Lumen Summary

0-60 2,087.1 92.9% 60-90 158.6 7.1% 70-100 48.8 2.2% 90-120 0 0%

	Illuminance at a	Distance	
	Center Beam fc	Beam Wid	th
2.0 R	259.4 fc	4.3 ft	4.2 ft
4.0ft	64.9 fc	8.5 ft	8.4 ft
6.0ft	28.8 fc	12.8 ft	12.6 ft
8.0ft	16.2 fc	17.0 ft	16.8 ft
10.0ft	10.4 fc	21.3 ft	21.0 ft
12.0ft	7.2 fc	25.6 ft	25.2 ft
14.0ft	5.3 fc	29.8 ft	29.4 ft
16.0ft	4.1 fc	34.1 ft	33.6 ft
	■ Vert. Spread: 93.6°		
	Horiz, Spread: 92.8°		





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.

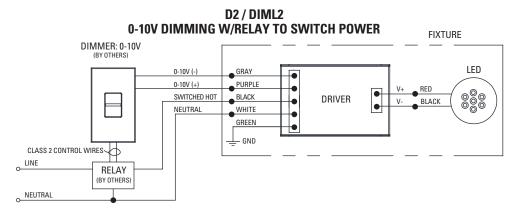
IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

- 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%)

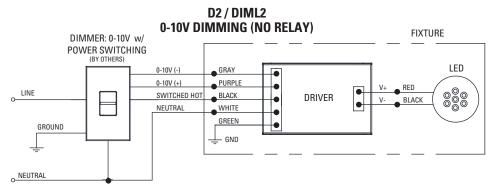
	D2 / DIML2 Dim	mer Compatibility C	hart	
			Dimmed Light	Oty Fixtures Per Dimmer*
<u>Manufacturer</u>	Product	Part Number	Output Range	Per Dimmer*
120V / 277V				Use source current per
Crestron	iLux dimmer expansion module	CLS-EXP-DIMFLV	100% - 10%	fixture specification
Crestron	DIN Rail dimmer	DIN-4DIMFLV4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

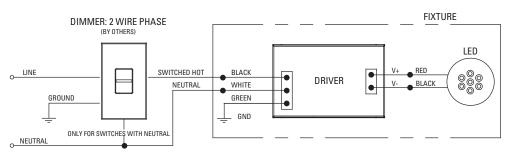
- 1. Keep these instructions in a safe place for future reference.
- 2. Only qualified electricians in accordance to local codes should install these fixtures.
- 3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
- 4. Make sure all connections are 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 I	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

^{*} 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

^{*} 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:

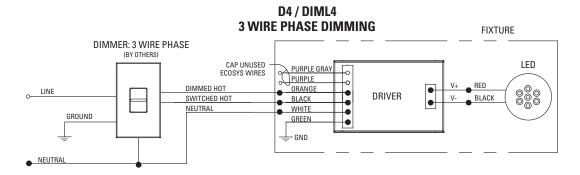
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

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%)

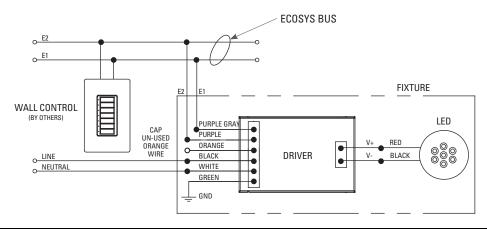


D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with EcoSystem Control / LED Dimming Driver Wiring (Dims down to

D4 / DIML4 EcoSystem Dimmer Compatibility Chart					
			Dimmed Light		
Manufacturer	Product	Part Number	Output Range	Fixture Wattage	
120V / 277V	120V / 277V 39W and Less 40W - 80W				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

^{*} 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			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	

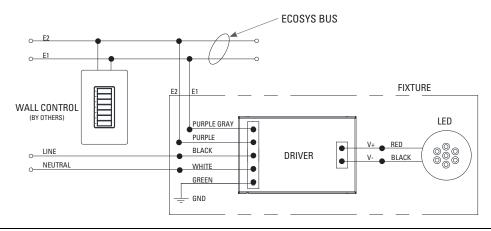
^{*} NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

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 Per Control*		r Control*				
Manufacturer	Product	Part Number	Output Range	Fixture	Wattage		
120V / 277V	120V / 277V 39W and Less 40W - 8				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		

^{*} 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			
Manufacturer	Product	Part Number	Output Range	Per Dimmer*		
120V & 277V DIML6A 6E Refer to manufac				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%			

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

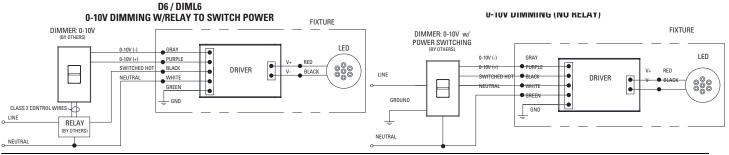
D6B / DIML6B and D6F / DIML6F LED Dimming Compatibility Table

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%

	DCD / DIMI CD and DCF / DIMI CF Dimmer Compatibility Chart					
Manufacturer	D6B / DIML6B and D6F / DIML6F Dimmer Compatibility Chart Product Part Number		Dimmed Light 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%	minimum fixture	
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

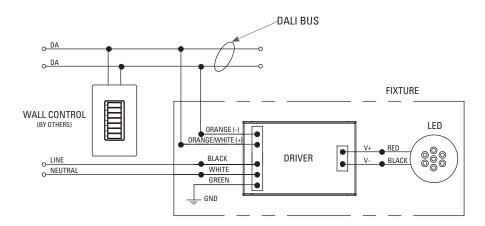
- SAVE THESE INSTRUCTIONS

- 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

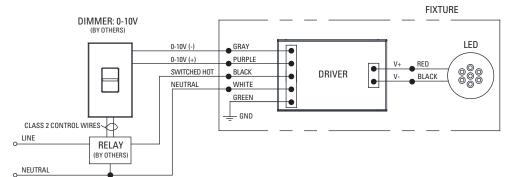
- 1. Keep these instructions in a safe place for future reference.
- 2. Only qualified electricians in accordance to local codes should install these fixtures.
- 3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
- 4. Make sure all connections are 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		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%			

^{*} 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.

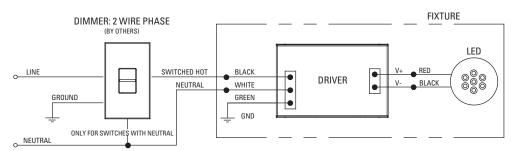
IMPORTANT SAFETY INSTRUCTIONS

- 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 /	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	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	_				

