

Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Features

This powerful, compact member of our Cylindrix family enhances your design aesthetics. The new Cylindrix III Mini Multiples consist of tiny, passively cooled LED heads, with full dimming capacity. They deliver brilliant colors and crispest whites, utilizing a patent pending, field changeable optical system. Available in 1, 2, 3 or 4 light configurations.

Product Overview

Type: Semi-Recessed Multiple, Accent & Display
Wattage: 15W, 18W*, 21W (*VNSP only)
Color Temp: 2200K, 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)
3K Class A LEDs available
Dimming: TRIAC & ELV, 5% Dim, 120/277VAC
Lutron LDE1 Hi-lume® 1% Dim Soft-On/Fade-to-Black, 120/277VAC
0-10V, 1% Dim, 120/277VAC
DALI, 1% Dim, 120/277VAC



Certifications



Fixture Summary

Fixture Type

# of Heads	New Construction	Remodeler	Trim	Trimless
1	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes
3	Yes	No	Yes	Yes
4	Yes	No	Yes	Yes

See separate spec sheet for Semi-Recessed or Remodeler versions.

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
15	1508	100.5	9,415	3000K-83
18*	1096	60.2	24,308	3000K-83
21	2125	105	13,206	3000K-83

* Note: 18W is VNSP only

Data is based on 3000K-83 120V IES files available on website.

15W & 21W data is based on Very Narrow Flood optics. 18W data is Very Narrow Spot optic only.

See pg 10-11 for other beam spreads.

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PROJECT:

TYPE:

Ordering Information - Frame

1	2	3	4	5	6		
1	Model	2	Style	3	# of Heads	4	Voltage
	C3MR/SR-NC-FRAME (new construction)		T trimmed		1		120
	C3MR/SR-CP-FRAME (Chicago Plenum)		TL trimless		2		277
					3		
					4		
5	Driver (for non-dimming select LE/TE otpion)	6	Options/Accessories				
	LE/TE TRIAC/ELV dimming, 5% dim		EM* emergency battery pack, available on 2, 3 or 4 light - powers only 1 head of the total fixture				
	HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim		*If this option is selected, you must also select EM option in the Trim Ordering section.				
	Soft-On/Fade-to-Black		HB49 - hanger bars from min 29" to max 49"				
	O-10V 0-10V dimming, 1% dim		Note: 14 ½" - 25" hanger bars are included as standard.				
	DALI EldoLED, 1% dim		Choose HB49 option above for larger mounting spaces only.				

Ordering Information - Trim

120-277																			
1	2	3	4	5	6	7	8	9	10										
1	Model			2	Style		3	# of Heads		4	Wattage		5	Finish (for housing, head & trim)					
	C3MSR-NC-TRIM (new construction)				T trimmed			1			15			WT white texture					
	C3MSR-CP-TRIM (Chicago Plenum)				TL trimless			2			18 (VNSP only)			BT black texture					
								3			21			ST silver texture					
								4						Other finishes, consult factory.					
6	Voltage		7	Beam Spread					8	Options									
	120-277			1LT	2LT	3LT	4LT		83 CRI					90+ CRI					
				VNSP	VNSP	VNSP	VNSP	(very narrow spot 8°, 18W only)		27 2700K-83					229+ 2200K-90+ 3CLA 3000K Class A				
				SP	SP	SP	SP	(spot 14°)		30 3000K-83					279 2700K-90+				
				VNF	VNF	VNF	VNF	(very narrow flood 18°)		35 3500K-83					309 3000K-90+				
				NF	NF	NF	NF	(narrow flood 23°)		40 4000K-83					359 3500K-90+				
				FL	FL	FL	FL	(flood 34°)							409 4000K-90+				
				WF	WF	WF	WF	(wide flood 44°)							* Not available for use with 18W VNSP.				
				LS	LS	LS	LS	(linear spread 60°x10°)											
9	Driver (for non-dimming select LE/TE option)							10	Options										
	LE/TE TRIAC/ELV dimming, 5% dim								(standard front door accepts up to 2 accessories)										
	HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim								SN snoot, 1" length, matte black interior, exterior finish matches										
	Soft-On/Fade-to-Black								fixture finish (accepts up to 2 accessories + cross blade)										
	0-10V 0-10V dimming; 1% dim								HEX hexcell louver										
	DALI EldoLED; 1% dim								CB cross blade, matte black finish (requires snoot)										
									SOL solite beam softening lens										
									EM* emergency battery pack, available on 2, 3 or 4 light - powers										
									only 1 head of the total fixture										
									* If this option is selected, you must also select EM option in the										
									Frame Ordering section.										



Delta Intelligent Building Technologies

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Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Specifications

Application

Retail and commercial accent and display lighting

Construction

Stamped steel mounting frame with integral mounting bars
Thermally protected (*adds 2W to total fixture wattage*)
Steel driver housing
Steel upper housing and laser cut trim ring
Steel plaster frame (*trimless only*)
Complete die-cast optical head construction

Optical

Tilt: 0-40°x40° (*Trimmed*), 0-45°x45° (*Trimless*)
Rotation: 360°+
Beam Spreads: Very Narrow Spot, 8° (*18W only*); Spot, 14°;
Very Narrow Flood, 18°; Narrow Flood, 23°; Flood, 34°;
Wide Flood, 44°

LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (*2700K, 3000K, 3500K, 4000K*)
90+ typ. (*2200K, 2700K, 3000K, 3500K, 4000K*)
Class A* LEDs available
R9 Values: 11 (*83 CRI*), 55 (*90+ CRI*)
Binning: 3 MacAdam (*SDCM*)
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs
* *Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.*

Electrical

Wattage: 15W, 18W, 21W
Electronic constant current LED driver, 120/277VAC input
This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.

Drivers

LE/TE - Leading Edge (*Triac, Forward Phase*) or Trailing Edge (*ELV, Reverse Phase*) autosensing driver dims down to 5% on most dimming systems.
0-10V, Lutron and DALI systems also available
See pages 12-14 for more dimming information

Finish

Powder coat paint
Consult Factory for custom finishes

Mounting

Hanger Bars:

Adjustable hanger bars included (*14 1/2" - 25" std.*)
Optional **HB49** - hanger bars from min 29" to max 49" available

Trimmed:

For use in T-Grid or GB ceilings; max ceiling thickness 1"

Trimless:

For use in GB ceilings; max ceiling thickness 5/8"
Consult Factory for thicker ceilings

Certifications

CSA listed to UL standards. Suitable for damp locations
Indoor use only

Warranty

5 year limited warranty

Emergency Battery Pack (EM)

Powers single head of 2, 3 or 4 light multiple at 5.1 watts (*approx. 400 Lm*) for 90 minutes. Not available on 1 light multiple. And not available for use with OP model.



Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Electrical Data

NOTE: System Watts includes an additional 2W for thermal protector power consumption.

1 Light

	1 x 15W		1 x 18W		1 x 21W	
Voltage	System Watts	Amps	SystemWatts	Amps	System Watts	Amps
120V	17	0.14	20	0.17	23	0.19
277V	17	0.06	20	0.07	23	0.08

Electronic constant current LED driver.

2 Light

	2 x 15W		2 x 18W		2 x 21W	
Voltage	System Watts	Amps	SystemWatts	Amps	System Watts	Amps
120V	34	0.28	40	0.33	46	0.38
277V	34	0.12	40	0.14	46	0.17

Electronic constant current LED driver.

3 Light

	3 x 15W		3 x 18W		3 x 21W	
Voltage	System Watts	Amps	SystemWatts	Amps	System Watts	Amps
120V	51	0.43	60	0.5	69	0.58
277V	51	0.18	60	0.22	69	0.25

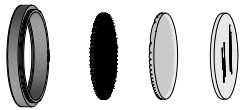
Electronic constant current LED driver.

4 Light

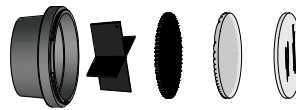
	4 x 15W		4 x 18W		4 x 21W	
Voltage	System Watts	Amps	SystemWatts	Amps	System Watts	Amps
120V	68	0.57	80	0.67	92	0.77
277V	68	0.25	80	0.29	92	0.33

Electronic constant current LED driver.

Accessories (diagrams show installation order)



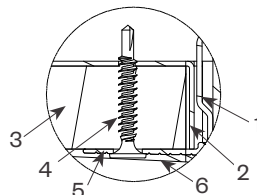
Front door/Accessory holder, hexcell, linear spread lens, solite lens



Snoot accessory holder, cross blade, hexcell, linear spread lens, solite lens

Plaster Frame Installation Detail (for trimless fixture only)

1. Recessed extruded housing
2. Aperture plate
3. Ceiling 5/8"
4. Drywall screw (by others)
5. Plaster frame
6. Plaster skim coat (by others)



Cylindrix® III Mini

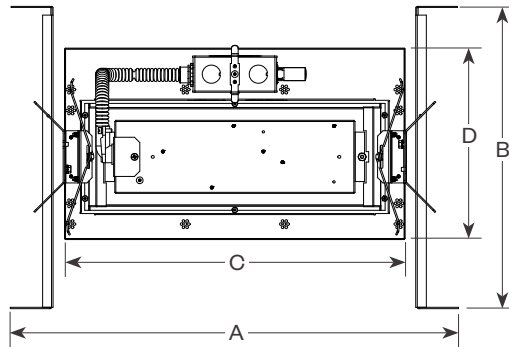
Semi-Recessed Multiples



PROJECT:

TYPE:

Product Details - Semi-Recessed Trimmed with ELV/TRIAC Driver

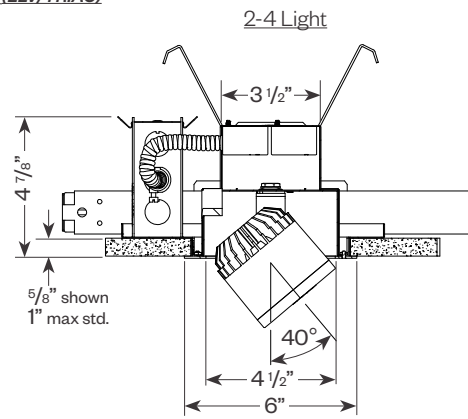
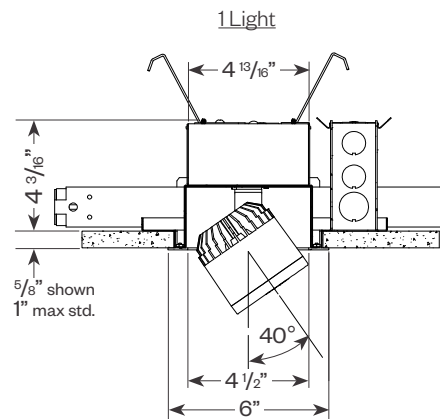


	1 Light	2 Light	3 Light	4 Light
A	12 1/8"	17"	21 1/2"	26"
B	14 1/2"	14 1/2"	14 1/2"	14 1/2"
	max 25"	max 25"	max 25"	max 25"
C	7 1/16"	11 13/16"	16 5/16"	20 13/16"
D	9 1/8"	9 1/8"	9 1/8"	9 1/8"

Ceiling Cut Out: 1 Light - 5 9/16" x 5 9/16"
 2 Light - 5 9/16" x 10 5/16"
 3 Light - 5 9/16" x 14 13/16"
 4 Light - 5 9/16" x 19 5/16"

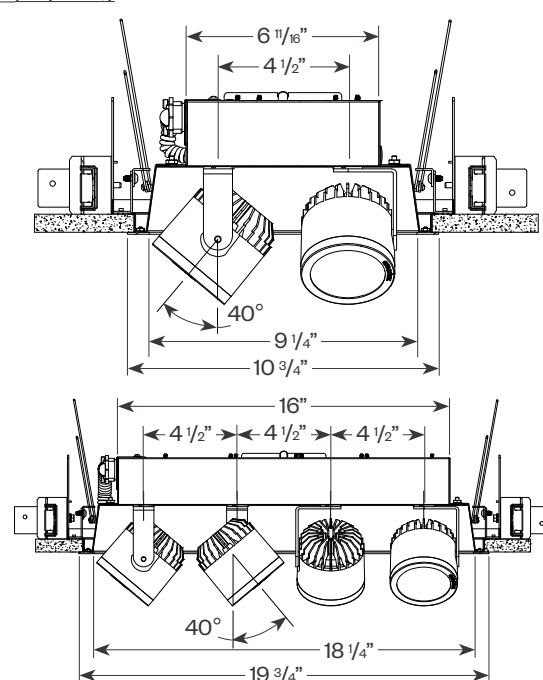
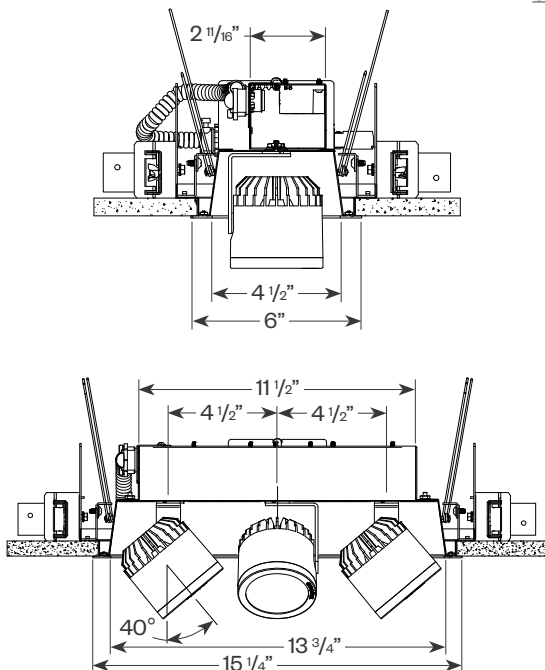
End View

Standard Driver (ELV/TRIAC)



Side View

Standard Driver (ELV/TRIAC)



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Cylindrix® III Mini

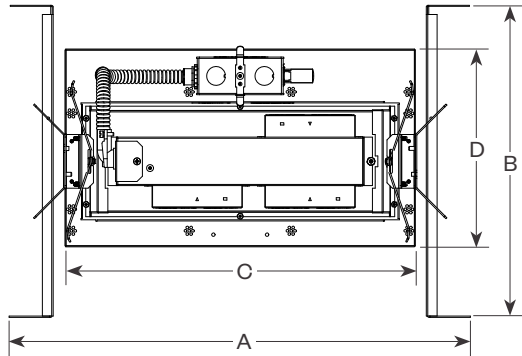
Semi-Recessed Multiples



PROJECT:

TYPE:

Product Details - Semi-Recessed Trimmed with Hi-lume®/0-10V/DALI Driver

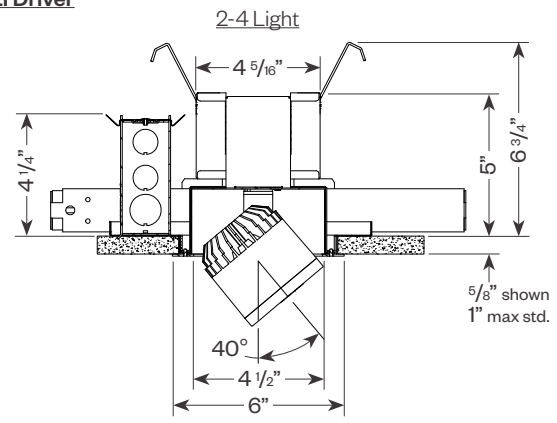
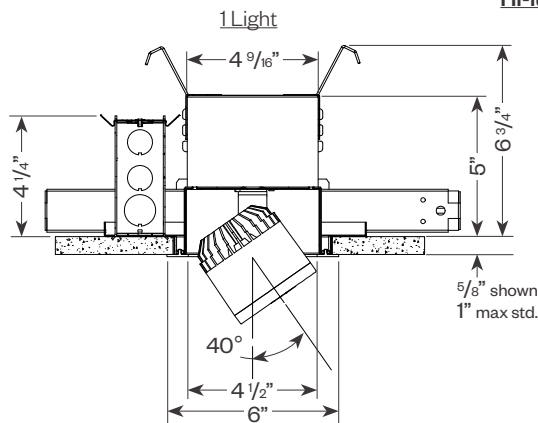


	1 Light	2 Light	3 Light	4 Light
A	12 1/8"	17"	21 1/2"	26"
B	14 1/2"	14 1/2"	14 1/2"	14 1/2"
	max 25"	max 25"	max 25"	max 25"
C	7 1/16"	11 13/16"	16 5/16"	20 13/16"
D	9 1/8"	9 1/8"	9 1/8"	9 1/8"

Ceiling Cut Out: 1 Light - 5 9/16" x 5 9/16"
 2 Light - 5 9/16" x 10 5/16"
 3 Light - 5 9/16" x 14 13/16"
 4 Light - 5 9/16" x 19 5/16"

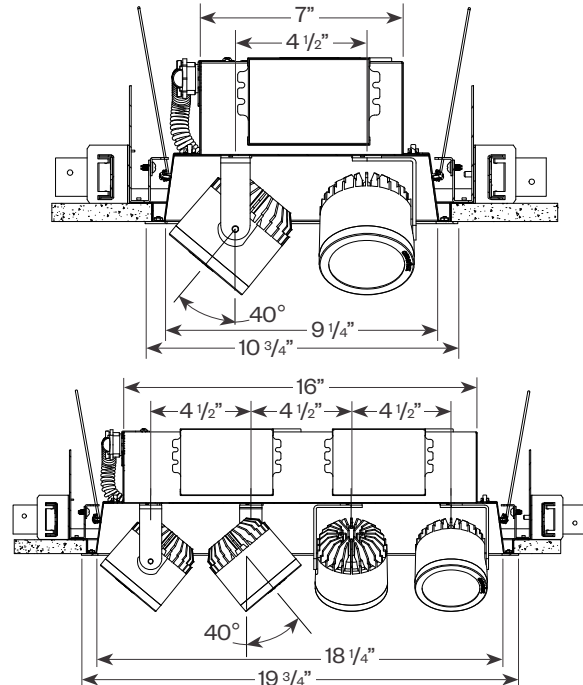
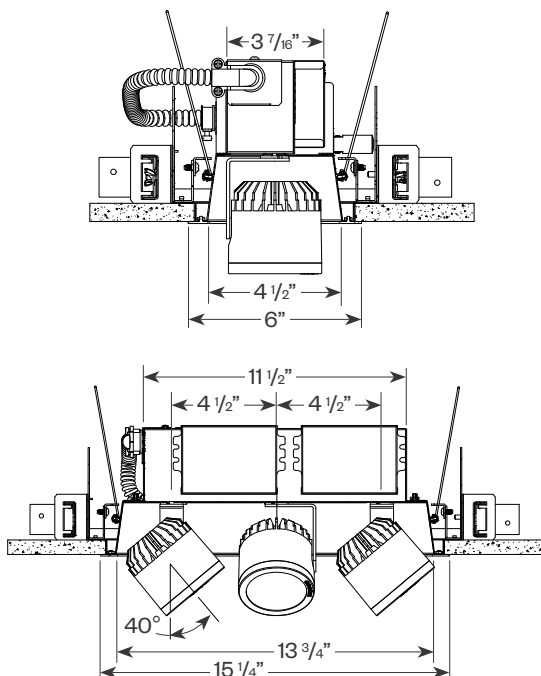
End View

Hi-lume®/0-10V/DALI Driver



Side View

Hi-lume®/0-10V/DALI Driver



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Cylindrix® III Mini

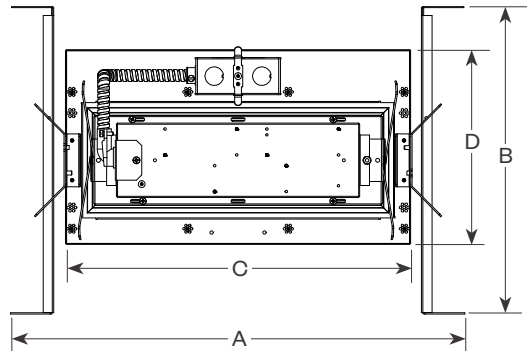
Semi-Recessed Multiples



PROJECT:

TYPE:

Product Details - Semi-Recessed Trimmed with ELV/TRIAC Driver (see trimless detail on page 4)

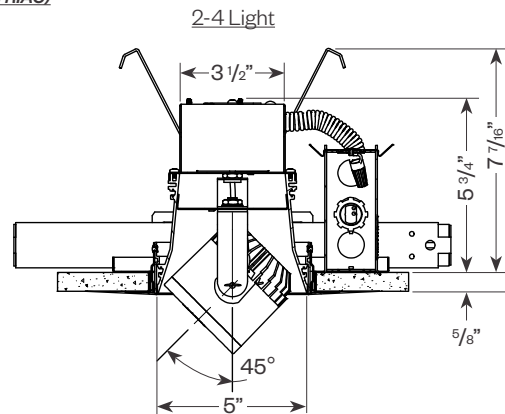
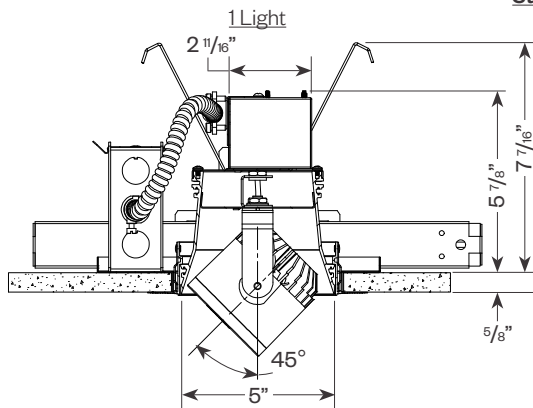


	1 Light	2 Light	3 Light	4 Light
A	12 1/8"	17"	21 1/2"	26"
B	14 1/2"	14 1/2"	14 1/2"	14 1/2"
	max 25"	max 25"	max 25"	max 25"
C	7 1/16"	11 13/16"	16 5/16"	20 13/16"
D	9 1/8"	9 1/8"	9 1/8"	9 1/8"

Ceiling Cut Out: 1 Light - 5 9/16" x 5 9/16"
 2 Light - 5 9/16" x 10 5/16"
 3 Light - 5 9/16" x 14 13/16"
 4 Light - 5 9/16" x 19 5/16"

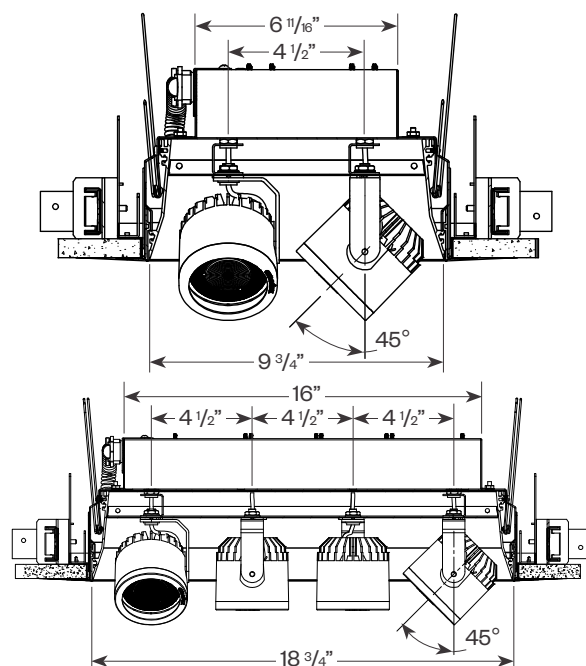
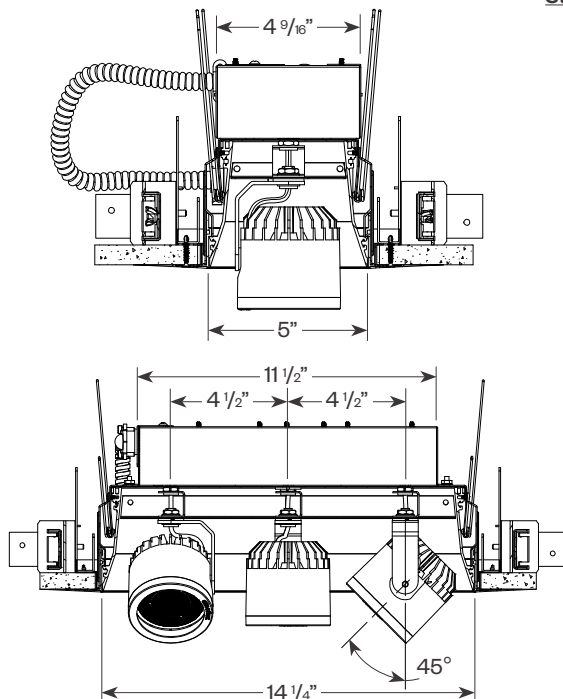
End View

Standard Driver (ELV/TRIAC)



Side View

Standard Driver (ELV/TRIAC)



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Cylindrix® III Mini

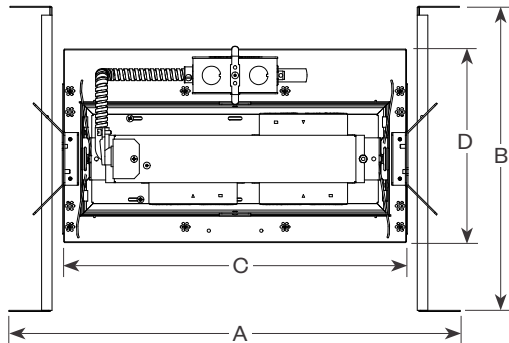
Semi-Recessed Multiples



PROJECT:

TYPE:

Product Details - Semi-Recessed Trimmed with Hi-lume®/0-10V/DALI Driver (see trimless detail on page 4)

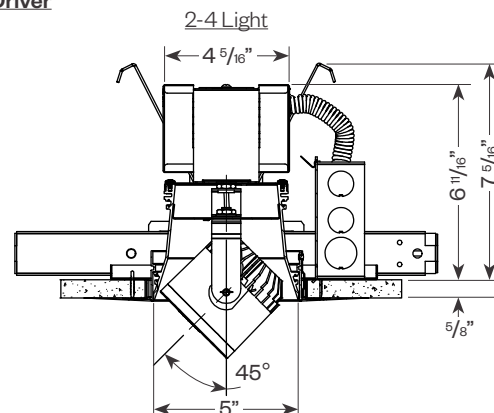
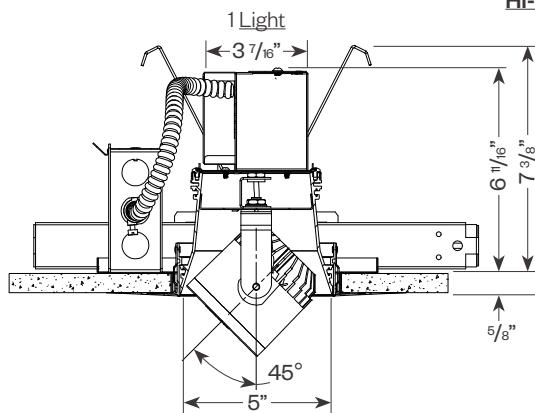


	1 Light	2 Light	3 Light	4 Light
A	12 1/8"	17"	21 1/2"	26"
B	14 1/2"	14 1/2"	14 1/2"	14 1/2"
	max 25"	max 25"	max 25"	max 25"
C	7 1/16"	11 13/16"	16 5/16"	20 13/16"
D	9 1/8"	9 1/8"	9 1/8"	9 1/8"

Ceiling Cut Out: 1 Light - 5 9/16" x 5 9/16"
 2 Light - 5 9/16" x 10 5/16"
 3 Light - 5 9/16" x 14 13/16"
 4 Light - 5 9/16" x 19 5/16"

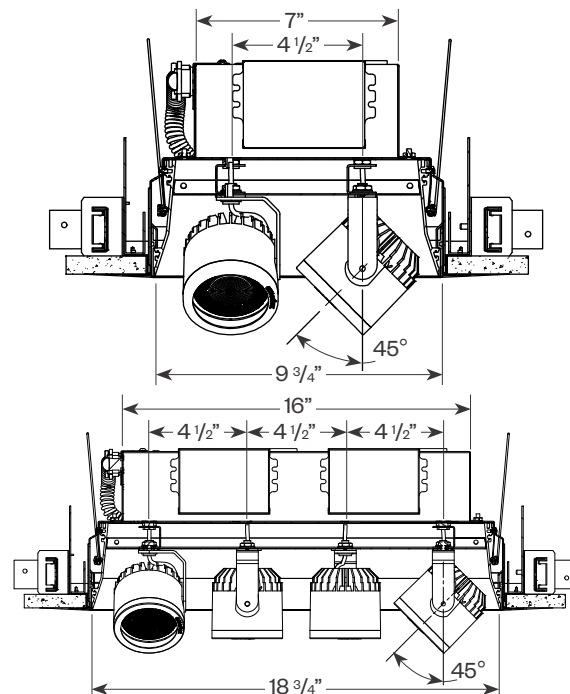
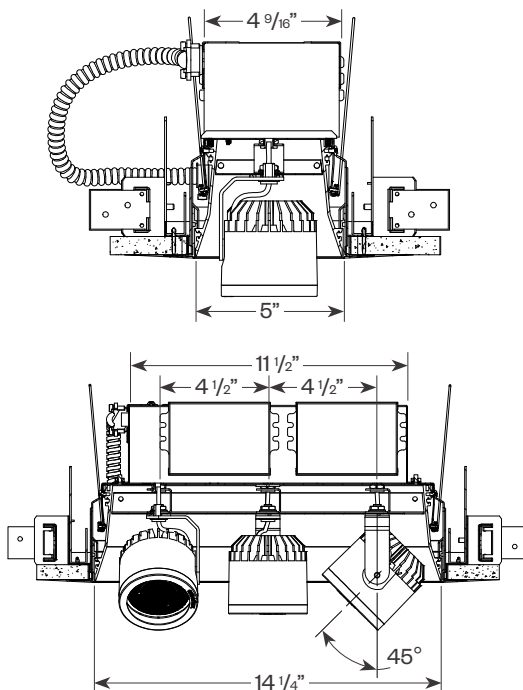
End View

Hi-lume®/0-10V/DALI Driver



Side View

Hi-lume®/0-10V/DALI Driver



Delta Intelligent Building Technologies

Cylindrix® III Mini

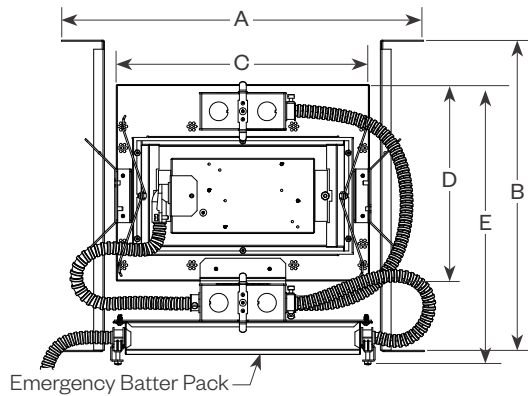
Semi-Recessed Multiples



PROJECT:

TYPE:

Product Details - Emergency Battery Pack (2-4 light only)

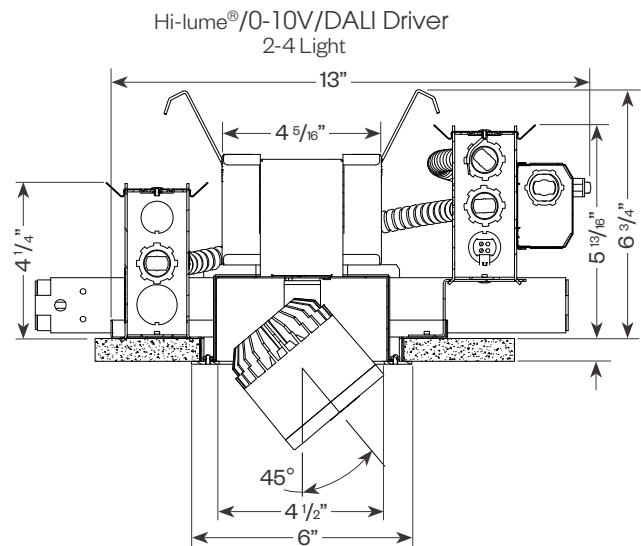
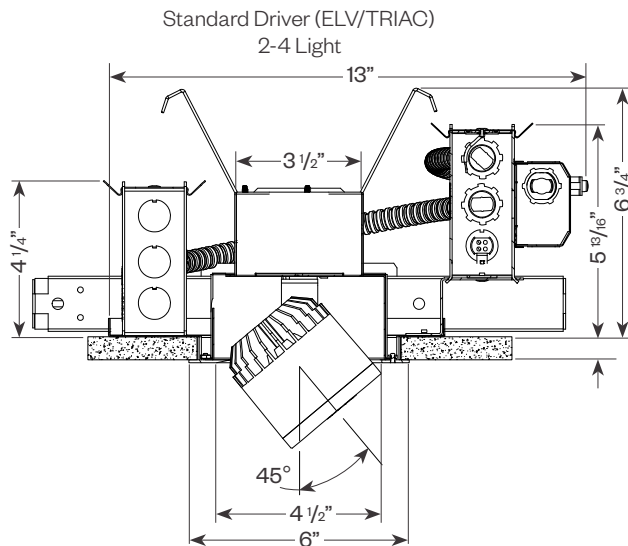


	2 Light	3 Light	4 Light
A	17"	21 1/2"	26"
B	14 1/2" max 25"	14 1/2" max 25"	14 1/2" max 25"
C	11 13/16"	16 5/16"	20 13/16"
D	9 1/8"	9 1/8"	9 1/8"
E	13"	13"	13"

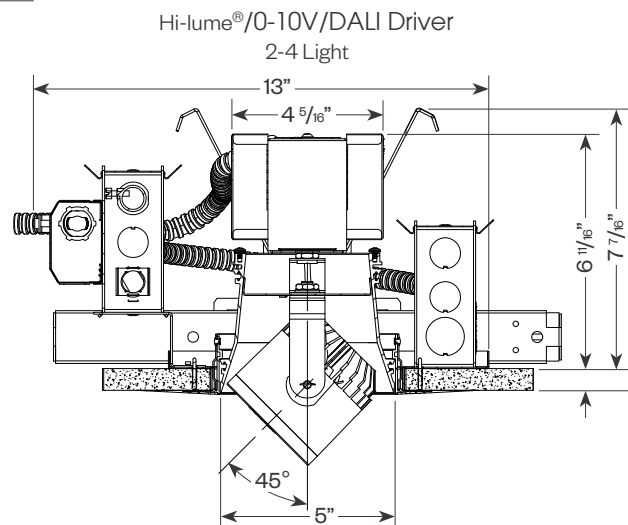
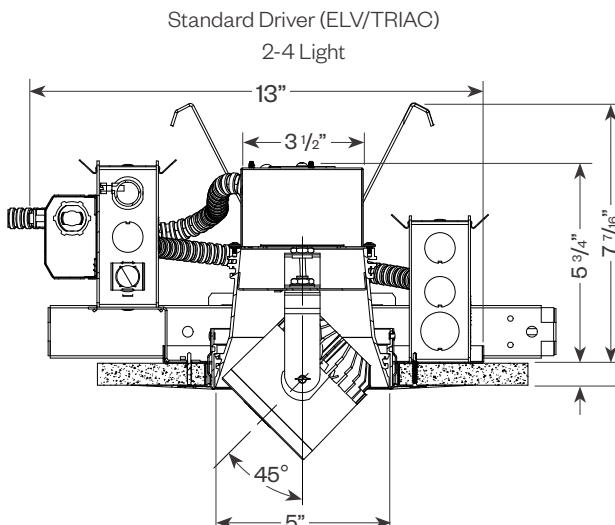
Ceiling Cut Out: 2 Light - 5 9/16" x 10 5/16"
 3 Light - 5 9/16" x 14 13/16"
 4 Light - 5 9/16" x 19 5/16"

End View

Trimmed



Trimless



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Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Performance Data (per head)

Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

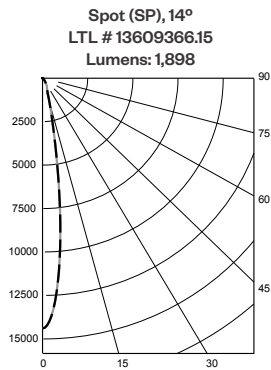
CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

Wattage:	15W	21W
Factor:	0.71	1.0

Note: For 18W (VNSP only) data see pg 11.

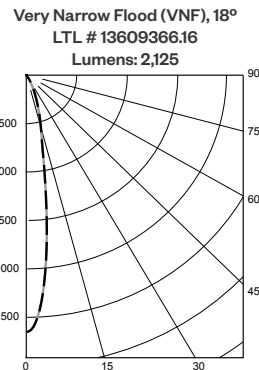
CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.66	0.83	0.86	0.90	0.93	0.70

21W LED, 3000K-83



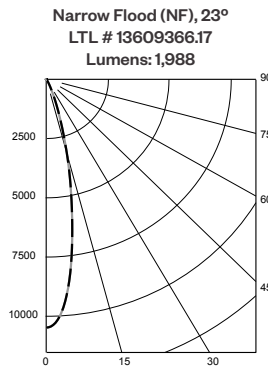
Candelas at Nadir

Deg	Candela
0	14400
5	10490
15	1426
25	560
35	233
45	110



Candelas at Nadir

Deg	Candela
0	13260
5	10300
15	2656
25	810
35	136
45	33



Candelas at Nadir

Deg	Candela
0	10480
5	9150
15	2963
25	453
35	86
45	47

Note: For FL & WF data see pg 11.

Application Data (per head)

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

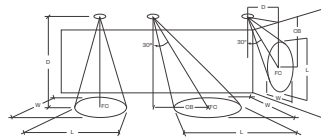
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT	5.0'	575	1.2	1.2	5.0'	371	1.6	1.4	3.0	3.0'	216	2.8	1.4	5.0	3.0'	779	1.3	1.1	2.0
	7.5'	256	1.9	1.9	7.5'	166	2.5	2.2	4.0	4.0'	130	3.5	1.8	6.0	4.0'	555	1.5	1.2	2.0
	10.0'	144	2.7	2.7	10.0'	92	3.4	3.0	6.0	5.0'	82	4.3	2.5	8.0	5.0'	361	1.8	1.4	3.0
	12.5'	93	3.2	3.2	12.5'	61	4.1	3.6	7.0	6.0'	58	5.2	2.9	9.0	6.0'	247	2.2	1.6	3.0
VERY NARROW FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	531	1.4	1.4	5.0'	342	1.9	1.5	3.0	3.0'	200	3.4	1.6	5.0	3.0'	745	1.5	1.2	2.0
	7.5'	236	2.2	2.2	7.5'	155	2.9	2.6	4.0	4.0'	124	4.1	2.1	6.0	4.0'	529	1.7	1.3	2.0
	10.0'	133	3.0	3.0	10.0'	85	3.9	3.4	6.0	5.0'	77	5.2	2.9	7.0	5.0'	333	2.1	1.6	3.0
NARROW FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	420	1.8	1.8	5.0'	271	2.5	2.2	3.0	3.0'	193	3.2	1.8	4.0	3.0'	628	1.9	1.3	2.0
	7.5'	187	2.9	2.9	7.5'	126	3.5	3.2	4.0	4.0'	105	4.5	2.8	6.0	4.0'	443	1.9	1.6	2.0
	10.0'	105	3.7	3.7	10.0'	71	4.8	4.2	5.0	5.0'	70	5.4	3.3	7.0	5.0'	265	2.6	2.2	3.0
	12.5'	67	4.7	4.7	12.5'	45	6.0	5.4	7.0	6.0'	49	6.6	3.9	8.0	6.0'	197	2.9	2.6	3.0

Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Performance Data (per head, continued)

Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

OCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

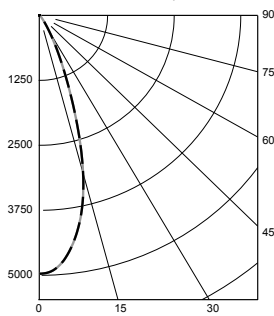
Wattage:	15W	21W
Factor:	0.71	1.0

OCT:	2200K-90+*	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.66	0.83	0.86	0.90	0.93	0.70

* Not available for use with 18W.

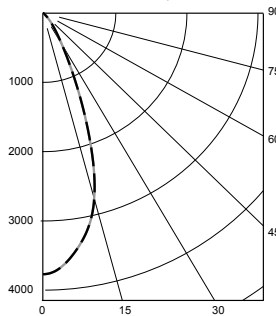
21W LED, 3000K-83

Flood (FL), 34°
LTL # 13609366.18
Lumens: 1,960



Candelas at Nadir	
Deg	Candela
0	4970
5	4780
15	3130
25	913
35	193
45	55

Wide Flood (WF), 44°
LTL # 13609366.19
Lumens: 1,930

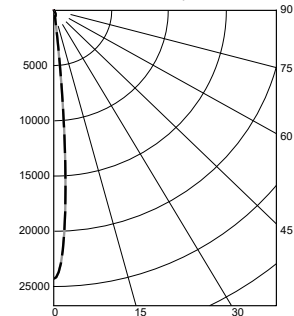


Candelas at Nadir	
Deg	Candela
0	3771
5	3624
15	2758
25	1034
35	308
45	101

Note: For SP, VNF, NF data see pg 10.

18W LED, 3000K (VNSP only)

Very Narrow Spot (VNSP), 8°
LTL #1170140
Lumens: 1,096



Candelas at Nadir	
Deg	Candela
0	24308
5	8980
15	527
25	394
35	131
45	57

Application Data (per head, continued)

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

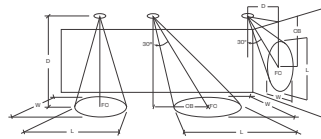
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



	0° Aiming Angle Horizontal Footcandles					30° Aiming Angle Horizontal Footcandles						30° Aiming Angle Vertical Footcandles						60° Aiming Angle Vertical Footcandles				
	D	FC	L	W		D	FC	L	W	CB		D	FC	L	W	CB		D	FC	L	W	CB
FLOOD	5.0'	199	3.0	3.0		5.0'	141	3.5	3.1	2.0		3.0'	124	3.3	2.7	3.0		3.0'	372	2.2	1.8	1.0
	7.5'	89	4.4	4.4		7.5'	63	5.2	4.8	3.0		4.0'	70	4.5	3.4	4.0		4.0'	221	2.9	2.7	2.0
	10.0'	50	5.8	5.8		10.0'	36	6.9	6.4	4.0		5.0'	45	5.6	4.4	5.0		5.0'	143	3.5	3.1	2.0
	12.5'	32	7.3	7.3		12.5'	23	8.6	8.0	6.0		6.0'	32	6.8	5.2	7.0		6.0'	98	4.2	3.9	3.0
WIDE FLOOD	D	FC	L	W		D	FC	L	W	CB		D	FC	L	W	CB		D	FC	L	W	CB
	5.0'	151	3.2	3.2		5.0'	110	3.8	3.5	2.0		3.0'	109	3.2	2.7	3.0		3.0'	303	2.3	2.0	1.0
	7.5'	67	5.0	5.0		7.5'	49	5.6	5.4	3.0		4.0'	62	4.2	3.6	4.0		4.0'	167	3.1	3.0	2.0
	10.0'	38	6.6	6.6		10.0'	28	7.5	7.3	4.0		5.0'	40	5.3	4.6	5.0		5.0'	111	3.8	3.5	2.0
18W only VERY NARROW SPOT	12.5'	25	8.3	8.3		12.5'	18	9.5	9.1	5.0		6.0'	28	6.5	5.5	6.0		6.0'	76	4.6	4.5	2.0
	D	FC	L	W		D	FC	L	W	CB		D	FC	L	W	CB		D	FC	L	W	CB
	5.0'	967	1.0	1.0		5.0'	624	1.0	1.0	3.0		3.0'	360	1.5	1.0	5.0		3.0'	983	1.0	1.0	2.0
	7.5'	431	1.1	1.1		7.5'	251	1.8	1.1	4.0		4.0'	185	2.4	1.1	7.0		4.0'	729	1.1	1.0	2.0
	10.0'	243	1.3	1.3		10.0'	153	2.1	1.6	6.0		5.0'	129	2.7	1.2	8.0		5.0'	600	1.1	1.0	3.0
	12.5'	156	1.8	1.8		12.5'	102	2.4	2.2	7.0		6.0'	90	3.3	1.6	10.0		6.0'	325	1.9	1.0	3.0

Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Dimming Compatibility

Amerlux® Cylindrix® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (*Dimmer, Fixture Quantity, Voltage, etc*) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

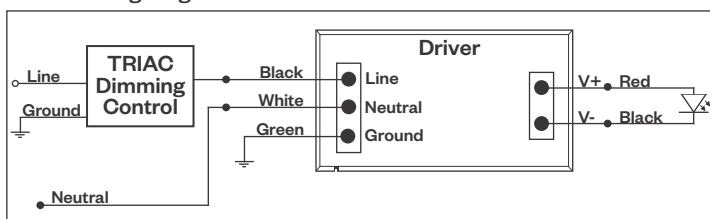
TRIAC (Forward Phase) Dimming

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

Notes:

- 120VAC or 277VAC*
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

TRIAC Wiring Diagram



Compatible Dimmers†:	
Wall Box (TRIAC 120VAC)	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Skylark"	

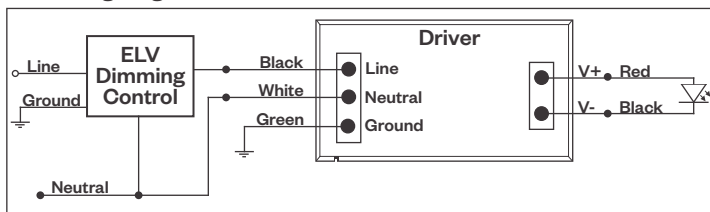
ELV - Electronic Low Voltage (Reverse Phase) Dimming

Utilizes specialized "ELV" dimmers.

Notes:

- 120VAC or 277VAC*
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

ELV Wiring Diagram



Compatible Dimmers†:		
Wall Box (ELV 120VAC)	Wall Box (ELV 277VAC)	Central System
Lutron "Diva"	Leviton Revoir II AWSMT-E	Lutron "GP" Panel with PHPM-PA 120/277VAC
Lutron "Nova-T"		Lutron Grafik Eye QS with PHPM-PA 120/277VAC
Lutron "Maestro"		
Lutron "Skylark"		
Leviton "Surslide"		
Leviton "Vizio"		

Notes:

* Driver is 277VAC dimmable with appropriate dimmer (*by others*). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

Cylindrix® III Mini

Semi-Recessed Multiples



PROJECT:

TYPE:

Dimming Compatibility *(continued)*

Amerlux® Cylindrix® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (*Dimmer, Fixture Quantity, Voltage, etc*) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

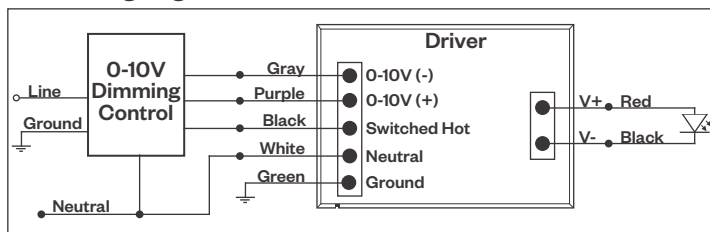
0-10V Dimming

Integrates into a variety of building management and daylighting controls

Notes:

- 120VAC or 277VAC*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

0-10V Wiring Diagram



Compatible Dimmers*:

Wall Box	Central System
Lutron "Diva" - DVSTV	Lutron Grafik Eye with GRX-TVI Interface
Leviton Renoir II 0-10V	

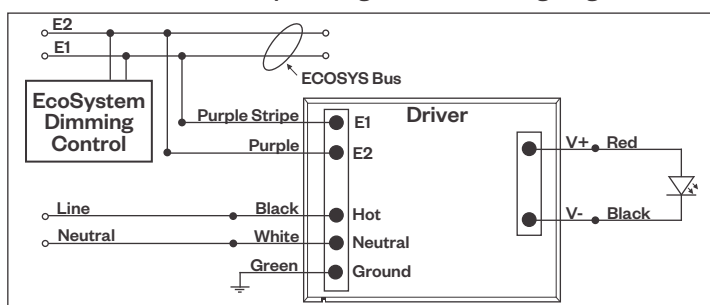
Lutron LDE1 Dimming

Integrates into Lutron EcoSystem building management

Notes:

- 120VAC or 277VAC*
- Dims down to 1% Soft-On/Fade-to-Black
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



Compatible Dimmers*:

Lutron ECO System	Central System
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energi Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

DALI Dimming

Digital control protocol allows individual fixture control

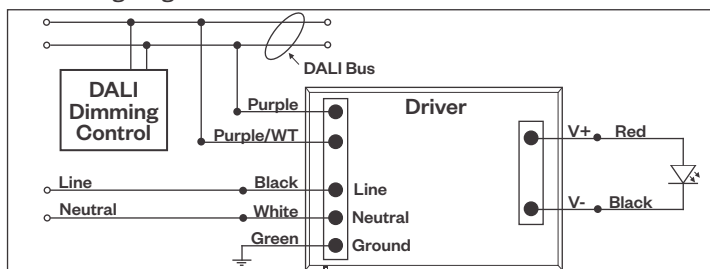
Notes:

- 120VAC - 277VAC*
- Dims down to 1% light output in most cases

Compatible Dimmers*:

Wall Box (3-Wire Fluorescent)	Central System
Leviton CD250 Controller	Dynalite
	Fifth Light

DALI Wiring Diagram



Notes:

* Driver is 277VAC dimmable with appropriate dimmer (*by others*). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

* The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

Semi-Recessed Multiples



TYPE:

Wiring Diagram

