

# Cylindrix® III Mini Retrofit Multiples

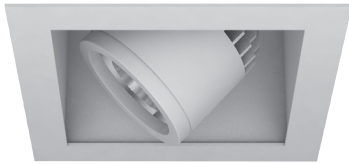


## Features

Amerlux LED multiples retrofit provides a quick, easy, elegant way to completely renew your store's look, and also to create better cost-efficiencies and savings. Our retrofits install into existing Amerlux housings of halogen, ceramic metal halide, and early LED, and do not require professional installation. With Amerlux LED multiples retrofits, you enjoy 50,000+ hrs of clear, crisp, dimmable instant-on light. Almost immediately your store is beautiful again.

## Product Overview

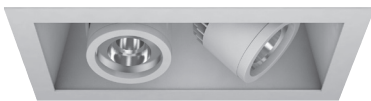
- Type: Retrofit Multiple, Accent & Display
- Wattage: 15, 18\*, 21 (\*VNSP only)
- Color Temp: 2200K, 2700K, 3000K, 3500K, 4000K
- CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)  
CrispWhite & 3K Class A LED's available
- Dimming: TRIAC & ELV (120/277VAC) -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



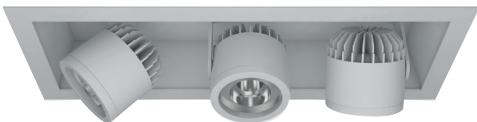
1 Light Recessed

## PROJECT:

## TYPE:



2 Light Recessed



3 Light Semi-Recessed



4 Light Recessed (Trimless version shown)

## Fixture Summary (see following pages for more information)

### Performance Chart

Watts	Delivered Lumens	CBCP	Color Temp
15	1,508	9,415	3000K-83
18*	1,096	24,308	3000K-83
21	2,125	13,260	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 beam spreads



# Cylindrix® III Mini

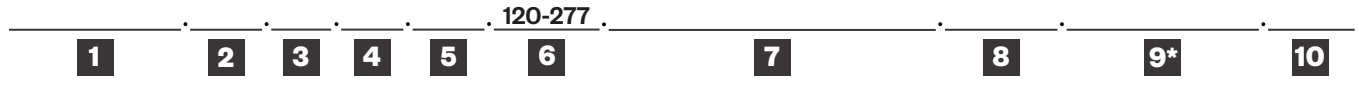
Retrofit Multiples



**PROJECT:**

**TYPE:**

## Ordering Information



- |   |             |             |                        |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
|---|-------------|-------------|------------------------|------------|-------------|-------------|-------------|------------------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| <p><b>1</b> <u>Model</u><br/> <b>C3MR-RTF</b> (recessed)<br/> <b>C3MSR-RTF</b> (semi-recessed)</p> <p><b>2</b> <u>Style</u><br/> <b>T</b> - trimmed<br/> <b>TL</b> - trimless</p> <p><b>3</b> <u># of Heads</u><br/> <b>1</b><br/> <b>2</b><br/> <b>3</b><br/> <b>4</b></p> <p><b>4</b> <u>Wattage</u><br/> <b>15</b><br/> <b>18</b> (VNSP only)<br/> <b>21</b></p> <p><b>5</b> <u>Finish</u> (for housing, head &amp; trim)<br/> <b>WT</b> - white texture<br/> <b>BT</b> - black texture<br/> <b>ST</b> - silver texture<br/> <i>Other finishes, consult factory</i></p> <p><b>6</b> <u>Voltage</u><br/> <b>120-277</b></p> <p><b>7</b> <u>Beam Spreads</u></p> <table border="0"> <tr> <td><b>1LT</b></td> <td><b>2LT</b></td> <td><b>3LT</b></td> <td><b>4LT</b></td> </tr> <tr> <td><b>VNSP</b></td> <td><b>VNSP</b></td> <td><b>VNSP</b></td> <td><b>VNSP</b> (18W only)</td> </tr> <tr> <td><b>SP</b></td> <td><b>SP</b></td> <td><b>SP</b></td> <td><b>SP</b></td> </tr> <tr> <td><b>VNF</b></td> <td><b>VNF</b></td> <td><b>VNF</b></td> <td><b>VNF</b></td> </tr> <tr> <td><b>NF</b></td> <td><b>NF</b></td> <td><b>NF</b></td> <td><b>NF</b></td> </tr> <tr> <td><b>FL</b></td> <td><b>FL</b></td> <td><b>FL</b></td> <td><b>FL</b></td> </tr> <tr> <td><b>WF</b></td> <td><b>WF</b></td> <td><b>WF</b></td> <td><b>WF</b></td> </tr> <tr> <td><b>LS</b></td> <td><b>LS</b></td> <td><b>LS</b></td> <td><b>LS</b></td> </tr> </table> <p><b>VNSP</b> - very narrow spot 8° (18W only), <b>SP</b> - spot 14°<br/> <b>VNF</b> - very narrow flood 18°, <b>NF</b> - narrow flood 23°, <b>FL</b> - flood 34°<br/> <b>WF</b> - wide flood 44°, <b>LS</b> - linear spread lens 60° x 10°</p> | <b>1LT</b>  | <b>2LT</b>  | <b>3LT</b>             | <b>4LT</b> | <b>VNSP</b> | <b>VNSP</b> | <b>VNSP</b> | <b>VNSP</b> (18W only) | <b>SP</b> | <b>SP</b> | <b>SP</b> | <b>SP</b> | <b>VNF</b> | <b>VNF</b> | <b>VNF</b> | <b>VNF</b> | <b>NF</b> | <b>NF</b> | <b>NF</b> | <b>NF</b> | <b>FL</b> | <b>FL</b> | <b>FL</b> | <b>FL</b> | <b>WF</b> | <b>WF</b> | <b>WF</b> | <b>WF</b> | <b>LS</b> | <b>LS</b> | <b>LS</b> | <b>LS</b> | <p><b>8</b> <u>Color Temp</u><br/> <b>83 CRI:</b>                      <b>90+ CRI:</b><br/> <b>27</b> - 2700K-83    <b>229*</b> - 2200K-90+    <b>CRISP*</b> - CrispWhite<br/> <b>30</b> - 3000K-83    <b>279</b> - 2700K-90+    <b>3CLA</b> - 3K Class A<br/> <b>35</b> - 3500K-83    <b>309</b> - 3000K-90+<br/> <b>40</b> - 4000K-83    <b>359</b> - 3500K-90+<br/> <b>409</b> - 4000K-90+<br/> <b>† Not available for use with 18W VNSP</b></p> <p><b>9</b> <u>Driver</u> (for non-dimming select LE/TE option)<br/> <b>*Note: Driver selected must match your current system</b><br/> <b>LE/TE</b> - TRIAC/ELV dimming; 5% dim<br/> <b>HILUME-H-ECO</b> - Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black<br/> <b>0-10V</b> - 0-10V dimming; 1% dim<br/> <b>DALI</b> - EldoLED; 1% dim</p> <p><b>10</b> <u>Options/Accessories</u><br/> (standard front door accepts up to 2 accessories)<br/> <b>SN</b> - snoot, 1" length, matte black interior, exterior finish matches fixture finish, accepts up to 2 accessories + cross blade)<br/> <b>HEX</b> - hexcell louver<br/> <b>CB</b> - cross blade, matte black finish (requires snoot)<br/> <b>SOL</b> - solite beam softening lens</p> |
| <b>1LT</b>  | <b>2LT</b>  | <b>3LT</b>  | <b>4LT</b>             |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>VNSP</b>   | <b>VNSP</b> | <b>VNSP</b> | <b>VNSP</b> (18W only) |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>SP</b>   | <b>SP</b>   | <b>SP</b>   | <b>SP</b>              |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>VNF</b>  | <b>VNF</b>  | <b>VNF</b>  | <b>VNF</b>             |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>NF</b>   | <b>NF</b>   | <b>NF</b>   | <b>NF</b>              |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>FL</b>   | <b>FL</b>   | <b>FL</b>   | <b>FL</b>              |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>WF</b>   | <b>WF</b>   | <b>WF</b>   | <b>WF</b>              |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |
| <b>LS</b>   | <b>LS</b>   | <b>LS</b>   | <b>LS</b>              |            |             |             |             |                        |           |           |           |           |            |            |            |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |

# Cylindrix® III Mini

Retrofit Multiples



## PROJECT:

## TYPE:

### Specifications

#### Application

Retail and commercial accent and display lighting

#### Construction

- 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: 0-35°x35° (R), 0-20°x40° (RTLX)
- 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)
- CrispWhite\* LED available
- Class A\*\* 3000K LED 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

*\*CrispWhite: CrispWhite Technology delivers the warmth of colors expected from a high 90 CRI solution but also creates the natural crisp white color similar to CMH sources. It creates impactful lighting by revealing the richest whites and vibrant colors that pop.*

*\*\*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: 15, 18, 21
- 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/Trailing Edge, ELV, reverse phase
- 0-10V, Lutron and DALI systems also available
- See pages 11-12 for more dimming information

#### Finish

- Powder coat paint
- Consult Factory for custom finishes

#### Mounting

- Installs into existing Amerlux housings of halogen, ceramic metal halide and early LED.

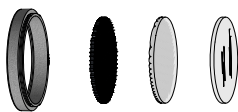
#### Certifications

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

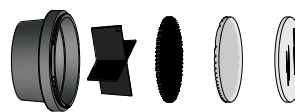
#### Warranty

- 5 year limited warranty

### Accessories (diagrams show installation order)



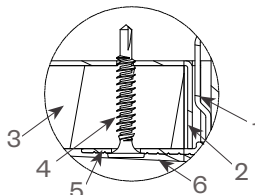
Front door/Accessory holder, hexcell, linear spread lens, solite lens



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)



**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	
	System Watts	Amps	System Watts	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	
	System Watts	Amps	System Watts	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	
	System Watts	Amps	System Watts	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	
	System Watts	Amps	System Watts	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*

# Cylindrix® III Mini

Retrofit Multiples

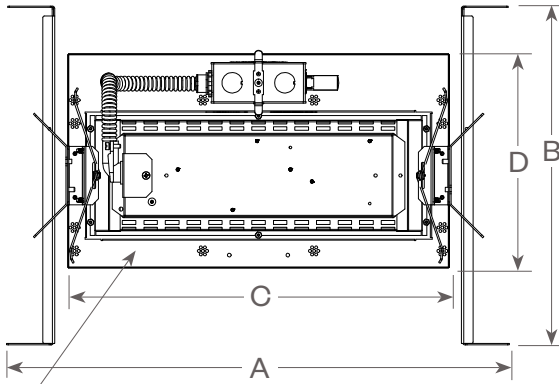


C3M Retrofit Multiples

**PROJECT:**

**TYPE:**

## Cylindrix III Mini Multiples: Recessed



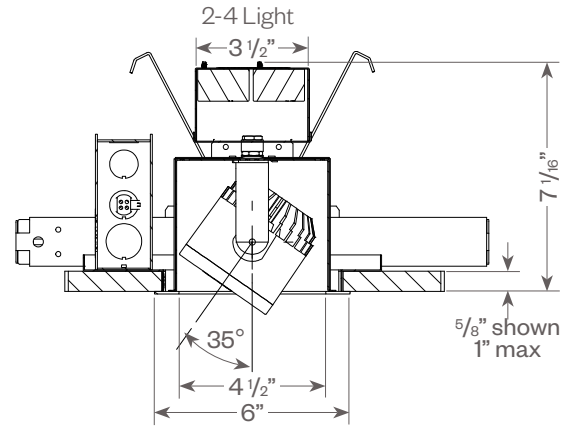
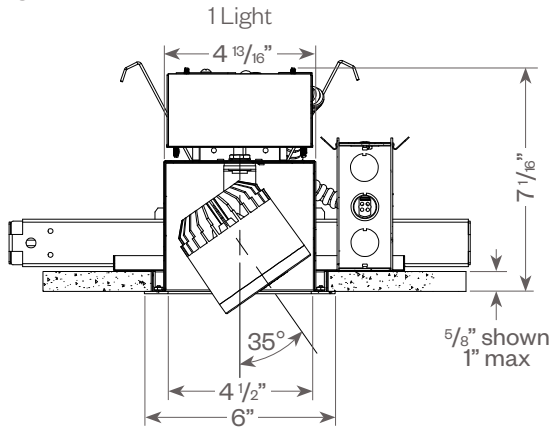
Note: Frame with hanger bars & junction box already installed from previous fixture.

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

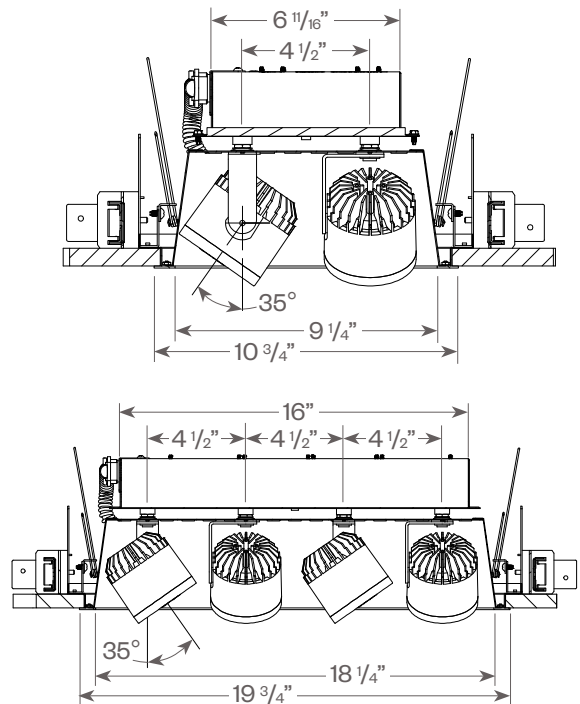
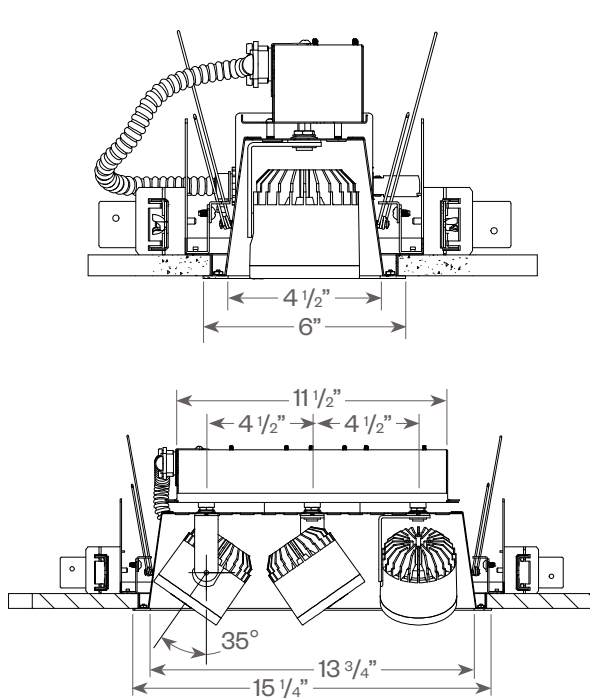
### End View

Standard Driver (ELV/TRIAC)



### Side View

Standard Driver (ELV/TRIAC)



# Cylindrix® III Mini

Retrofit Multiples

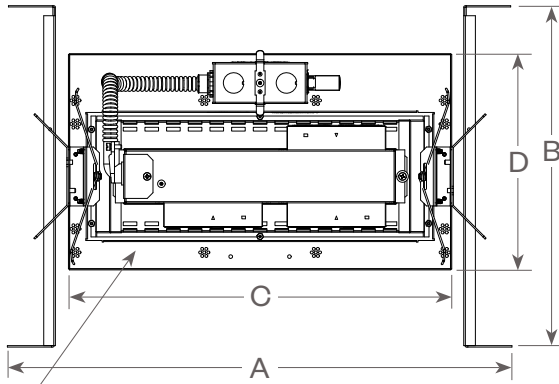


C3M Retrofit Multiples

**PROJECT:**

**TYPE:**

## Cylindrix III Mini Multiples: Recessed



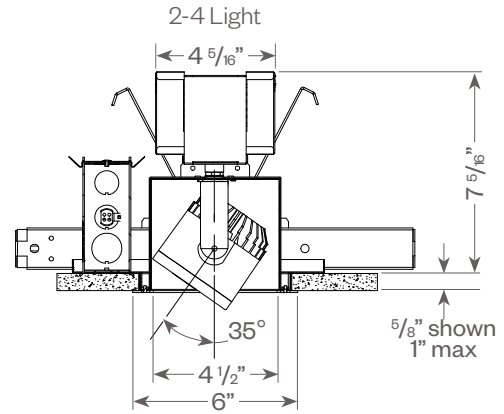
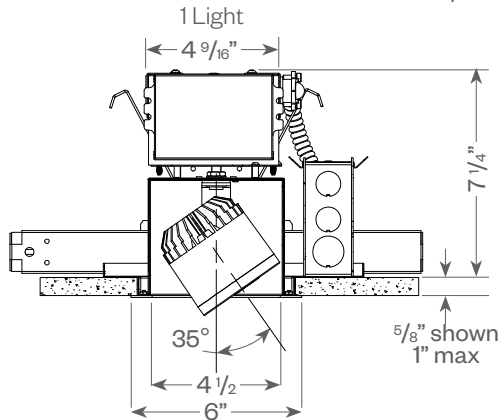
	1 Light	2 Light	3 Light	4 Light
<b>A</b>	12 1/8"	17"	21 1/2"	26"
<b>B</b>	14 1/2" max 25"	14 1/2" max 25"	14 1/2" max 25"	14 1/2" max 25"
<b>C</b>	7 1/8"	11 13/16"	16 5/16"	20 13/16"
<b>D</b>	9 1/8"	9 1/8"	9 1/8"	9 1/8"

**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"

Note: Frame with hanger bars & junction box already installed from previous fixture.

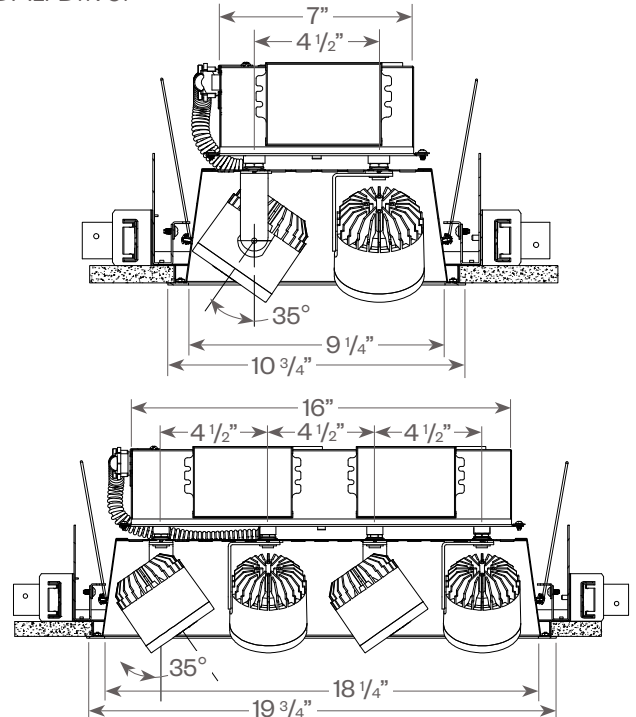
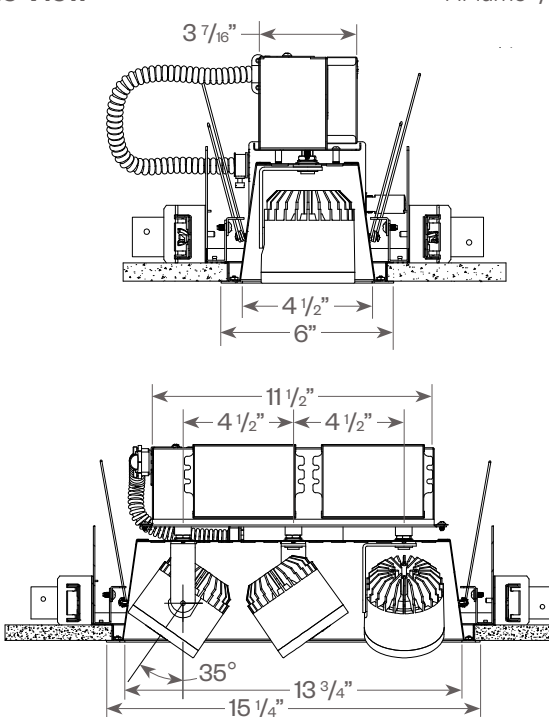
### End View

Hi-lume®/0-10V/DALI Driver



### Side View

Hi-lume®/0-10V/DALI Driver



# Cylindrix® III Mini

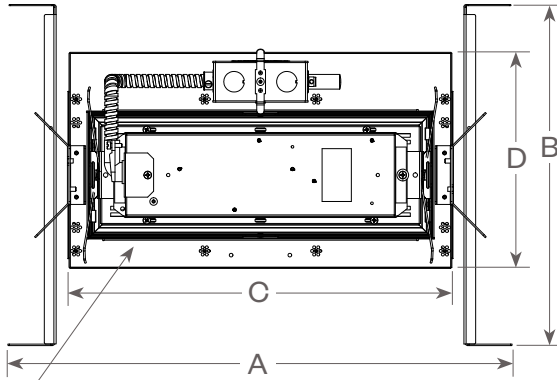
Retrofit Multiples



**PROJECT:**

**TYPE:**

## Cylindrix III Mini Multiples: Recessed Trimless



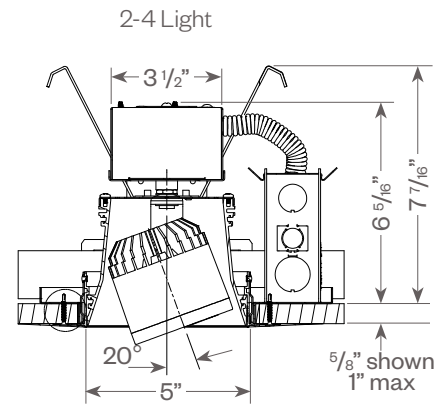
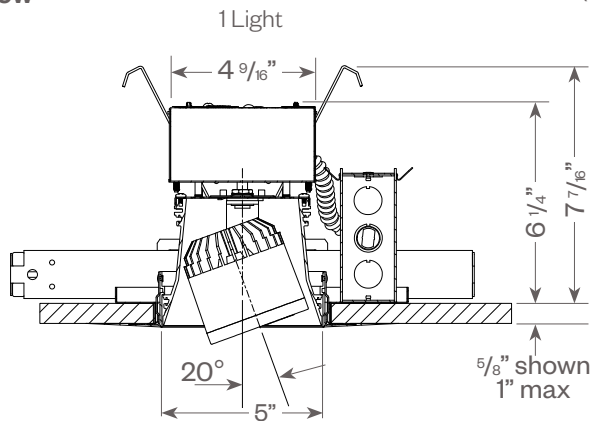
Note: Frame with hanger bars & junction box already installed from previous fixture.

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

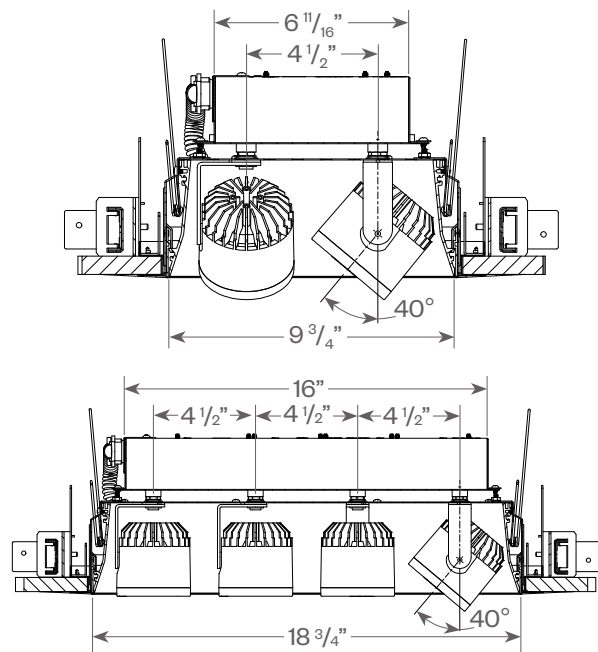
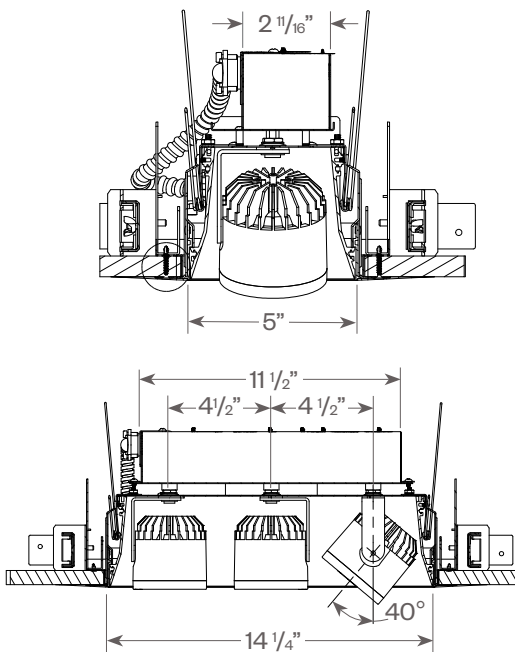
### End View

Standard Driver (ELV/TRIAC)



### Side View

Standard Driver (ELV/TRIAC)



# Cylindrix® III Mini

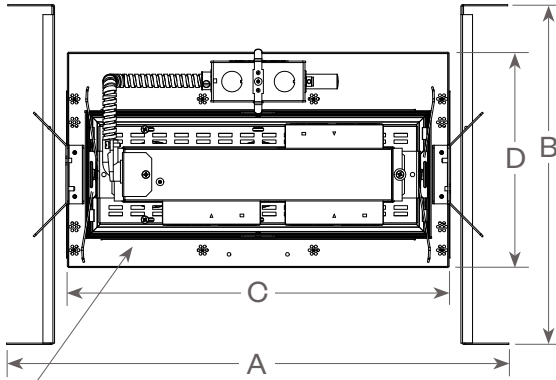
Retrofit Multiples



**PROJECT:**

**TYPE:**

## Cylindrix III Mini Multiples: Recessed Trimless



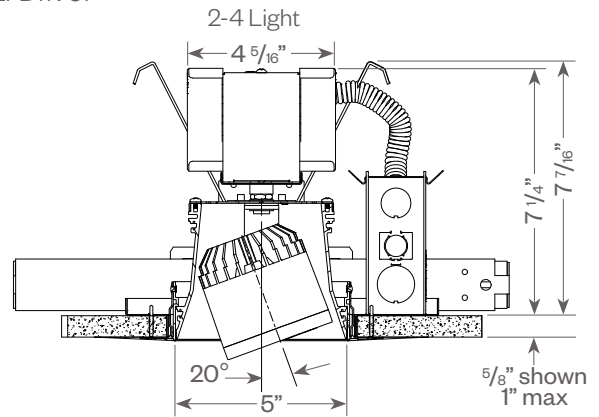
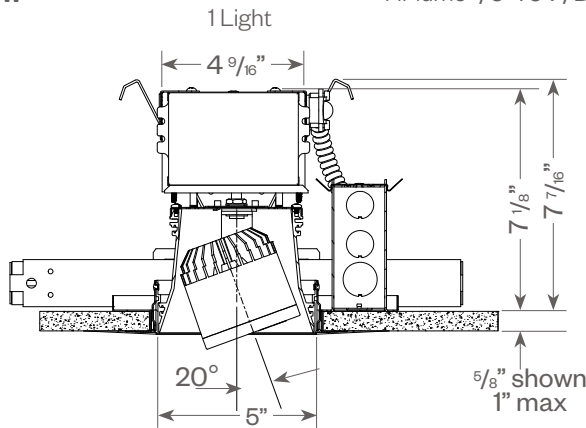
Note: Frame with hanger bars & junction box already installed from previous fixture.

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

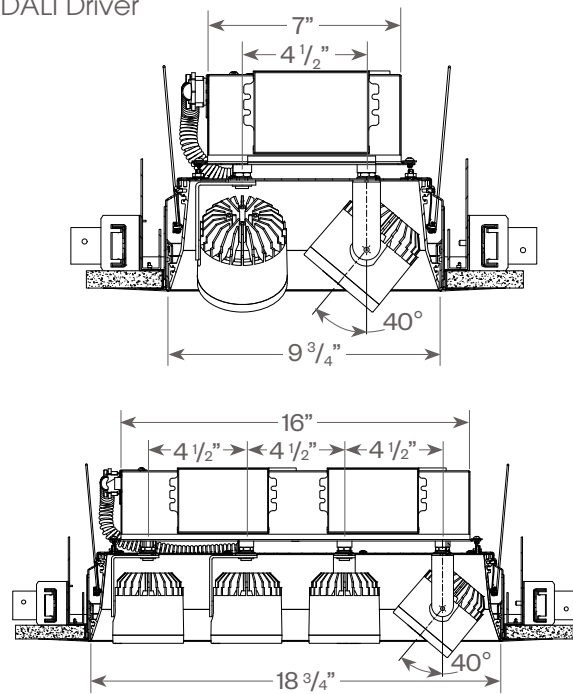
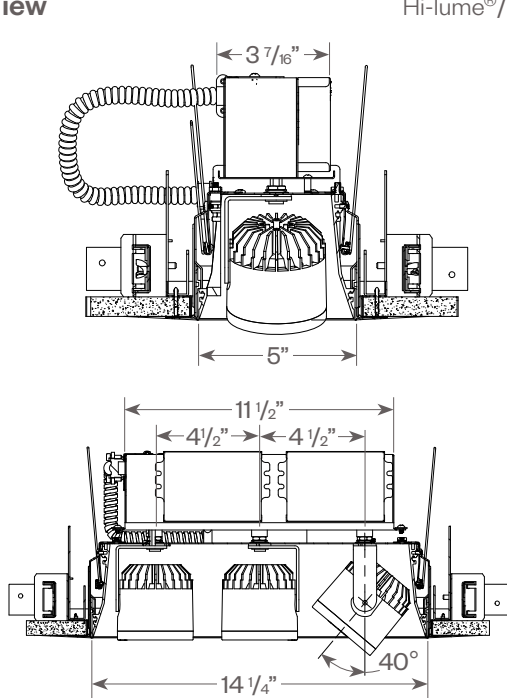
### End View

Hi-lume®/0-10V/DALI Driver



### Side View

Hi-lume®/0-10V/DALI Driver





# Cylindrix® III Mini

Retrofit Multiples



## PROJECT:

## TYPE:

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

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

Wattage:	15W	21W
Factor:	0.71	1.0

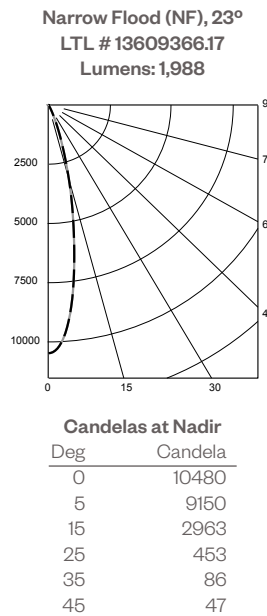
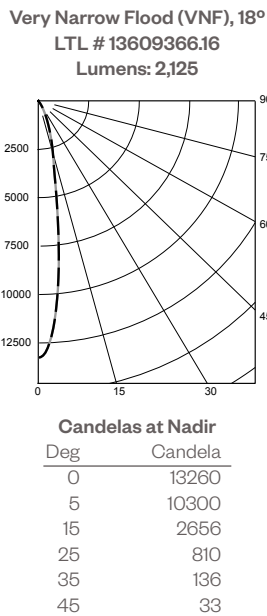
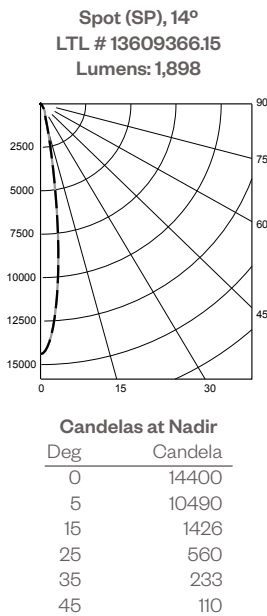
Note: For 18W (VNSP only) data see pg 10

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

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP*	3CLA
Factor:	0.66	0.83	0.86	0.90	0.93	0.65	0.70

### 21W LED, 3000K-83

Note: Data per head

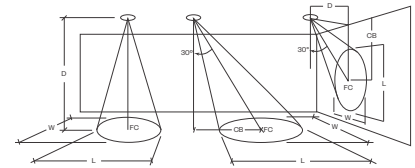


Note: For FL & WF data see pg 10

### APPLICATION DATA:

#### 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	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
	12.5'	85	3.6	3.6	12.5'	57	4.7	4.1	7.0	6.0'	56	6.2	3.2	9.0	6.0'	235	2.4	1.9	3.0
NARROW FLOOD	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

Retrofit Multiples



## PROJECT:

## TYPE:

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

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

<b>Wattage:</b>	<b>15W</b>	<b>21W</b>
Factor:	0.71	1.0

<b>CCT:</b>	<b>2700K-83</b>	<b>3000K-83</b>	<b>3500K-83</b>	<b>4000K-83</b>
Factor:	0.96	1.0	1.02	1.04

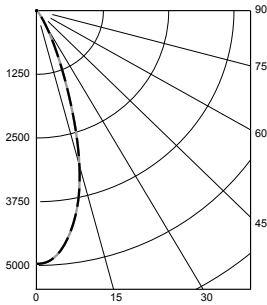
<b>CCT:</b>	<b>2200K-90+</b>	<b>2700K-90+</b>	<b>3000K-90+</b>	<b>3500K-90+</b>	<b>4000K-90+</b>	<b>CRISP*</b>	<b>3CLA</b>
Factor:	0.66	0.83	0.86	0.90	0.93	0.65	0.70

\* Not available for use with 18W VNSP

### 21W LED, 3000K-83

Note: Data per head

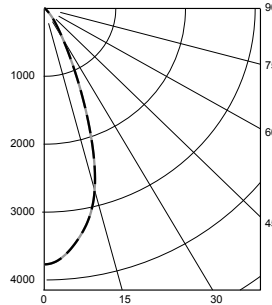
Flood (FL), 34°  
LTL # 13609366.18  
Lumens: 1,960



**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



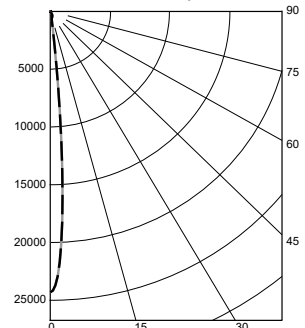
**Candelas at Nadir**

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

Note: For SP, VNF, NF data see pg 9

### 18W LED, 3000K (VNSP only)

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



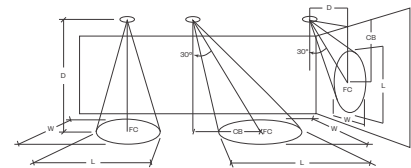
**Candelas at Nadir**

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

## APPLICATION DATA:

### 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	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
	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
18W only VERY NARROW SPOT	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

**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 ---**

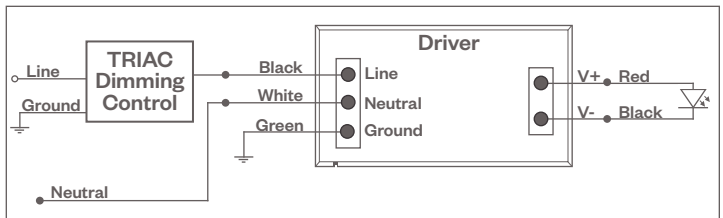
**TRIAC (Forward Phase) DIMMING (Standard)**

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"	

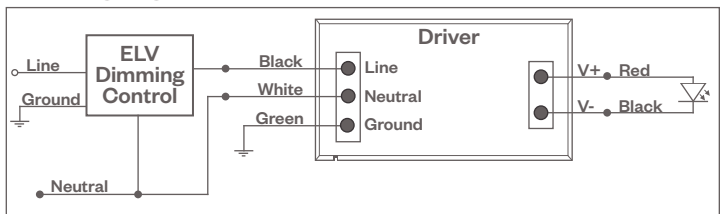
**ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)**

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

**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 manufacturer 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

Retrofit 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 ---**

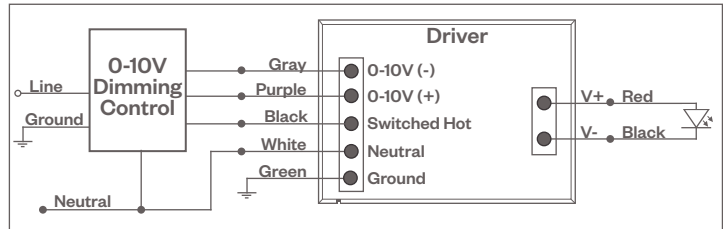
### 0-10V DIMMING

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

Lutron "Diva" - DVSTV | Leviton Renoir II 0-10V

##### Central System

Lutron Grafik Eye with GRX-TV1 Interface

### LUTRON LDE1 DIMMING

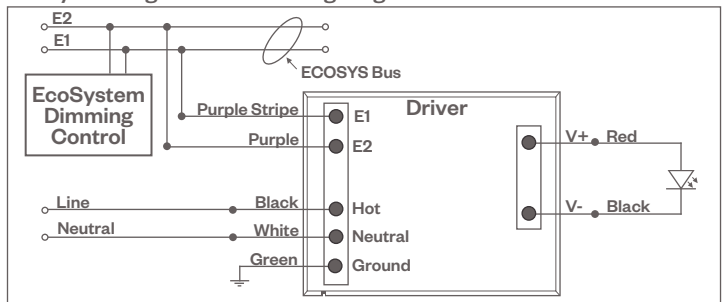
Integrates into Lutron EcoSystem building management

#### 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!

#### Lutron LDE1 (HILUME-H-ECO)

#### EcoSystem Digital Control Wiring Diagram



#### Compatible Dimmers\*:

##### Lutron ECO System

Pow Pak Dimming Modules  
Energj Savr Node  
Grafik Eye QS/Homeworks  
QS Control Unit  
Quantum Hub  
Homeworks QS/My Room

##### Central System

Lutron EcoSystem compatible controls

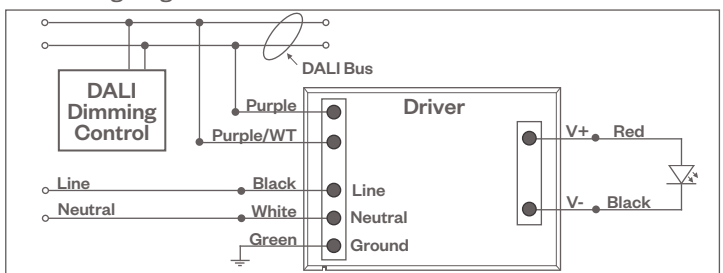
### DALI DIMMING

Digital control protocol allows individual fixture control

#### Notes:

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

#### DALI Wiring Diagram



#### Compatible Dimmers\*:

##### Wall Box (3-Wire Fluorescent)

Leviton CD250 Controller

##### Central System

Dynalite  
Fifth Light

#### 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 manufacturer 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.