

**Murro®**

Round Surface Wall Wash

**PROJECT:****TYPE:****Features**

The Murro® Round Surface Canopy is a high performing alternative for designers. The Murro® LED module sits on the canopy plate with a single arm yoke, giving designers the aiming flexibility you have with a track head. Small in size, high in output, Murro outperforms others, time after time. With unique optics, and code-ready dimmability, Murro reduces your costs dramatically. It's a light so powerful, your walls have never looked better.

**MUR-RSC****Product Overview**

Type: Surface Wall Wash  
 Wattage: 19W, 31W  
 Color Temp: 2700K, 3000K, 3500K, 4000K  
 CRI: 83 typ. or 90+ typ.  
 CrispWhite & Class A LED's 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

**Certifications****Fixture Summary****Performance Data**

Watts	Delivered Lumens	LPW	Color Temp-CRI
19	2478	130.4	3000K-83
31	3673	118.4	3000K-83

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

**Electrical Data**

Voltage	19W		31W	
	System Watts	Amps	System Watts	Amps
120V	19	0.16	31	0.26
277V	19	0.07	31	0.11

Electronic constant current LED driver.

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## Ordering Information - Housing/Frame

1	2	3	4	5	
1	Model	2	Wattage	3	Voltage
	<u>For New Construction</u>		19		120
	<b>MUR-RSC-NC-A17</b> <i>(New Construction)</i>		31		277
	<b>MUR-RSC-CP-A17</b> <i>(Chicago Plenum (OCEA) housing)</i>				120/277 <i>(for use with IC housing only)</i>
	<b>MUR-RSC-IC-A17</b> <i>(Insulated Ceiling/air tight housing)</i>				
	<u>For Existing Ceilings</u>				
	<b>MUR-RSC-REM-A17</b> <i>(Remodeler)</i>				
4	Driver <i>(for non-dimming, select LE/TE option)</i>	5	Options/Accessories		
	<b>LE/TE*</b> TRIAC/ELV dimming		<b>EM</b> emergency battery pack with remote test switch <i>(not available for use with REM, CP or IC options)</i>		
	<b>HILUME-H-ECO</b> Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black		<b>HB49</b> hanger bars from min 29" to max 49" <i>(not available for use with REM options)</i>		
	<b>O-10V*</b> 0-10V dimming, 1% dim		<i>Note: 26" hanger bars are included as standard. Choose <b>HB49</b> option above for larger mounting spaces only.</i>		

## Ordering Information - Trim

MUR-RSC-A17		WW			
1	2	3	4	5	
1	Model	2	Finish	3	Beam Spread
	MUR-RSC-A17		WT white texture BT black texture ST silver texture <i>Other finishes, consult factory</i>		WW wall wash
4	Color Temp			5	Options/Accessories
	83 CRI	90+ CRI			VISU visor up (finish matches fixture finish) VISD visor down (finish matches fixture finish)
	27 2700K-83	279 2700K-90+	CRISP CrispWhite		
	30 3000K-83	309 3000K-90+	3CLA 3K Class A		
	35 3500K-83	359 3500K-90+			
	40 4000K-83	409 4000K-90+			

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## Specifications

### Application

Retail and commercial wall wash lighting

### Construction

20 ga. galvanized steel frame  
18 ga. galvanized steel splice housing and hanger brackets (*not for Remodeler version*)  
Die-cast optical housing and heat sink

### Optical

0-180° tilt, 360° rotation  
Wall wash beam spread

### LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K, CRISP, Class A  
CRI: 83 typ. or 90+ typ.  
CrispWhite\* or Class A\*\* LED's available  
R9 Values: 11 (83 CRI), 55 (92 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 that is pleasing to the eye. It creates the most impactful lighting ever available, 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: 19W, 31W  
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.***

### Driver

**LE/TE** - Leading Edge (*Triac, Forward Phase*) or Trailing Edge (*ELV, Reverse Phase*)  
0-10V, and Lutron systems also available  
*See pages 7-8 for more dimming information*

### Finish

Powder coat paint  
*Consult factory for custom finishes*

### Mounting

For use in T-Grid or GB ceilings; max ceiling thickness 1"  
Adjustable hanger bars included (14 1/2" - 25" std.)  
Optional **HB49** - hanger bars from min 29" to max 49" available  
*Consult Factory for thicker ceilings*

### Certifications

CSA listed to UL standards  
IC/AT rated (*optional, not for Remodeler version*)  
For indoor use only

### Warranty

5 year limited warranty

### Emergency Battery Pack (EM)

**EM** - emergency battery pack with remote test switch (*not for use with REM, CP or IC/AT options*)

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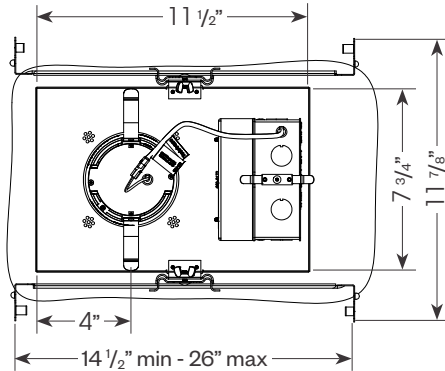


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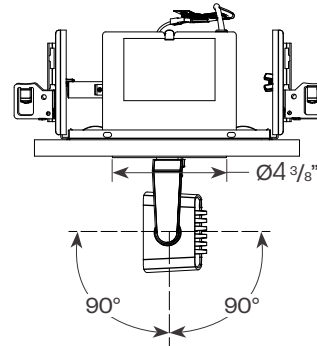
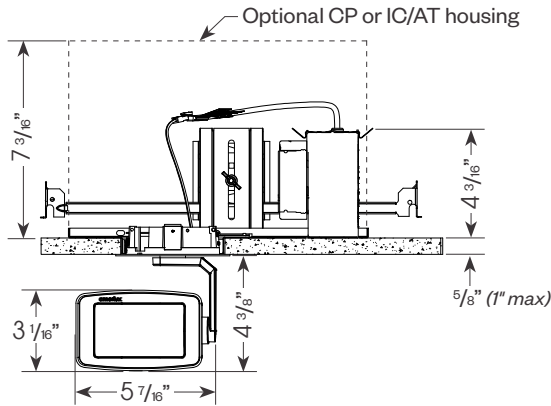
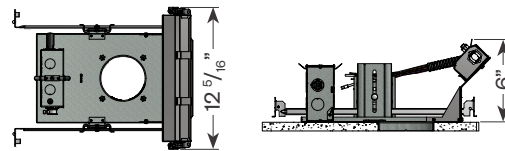
### Product Details

Murro Round Surface Canopy (New Construction)



Ceiling cut out: 4" dia.

Emergency Battery Pack (EM) option



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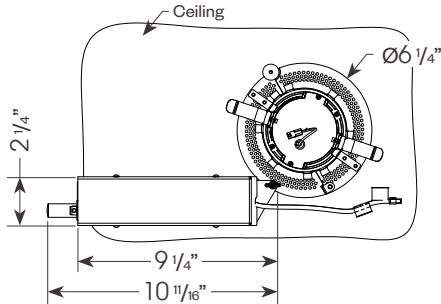


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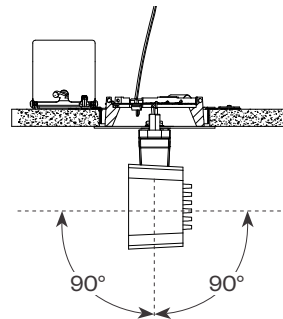
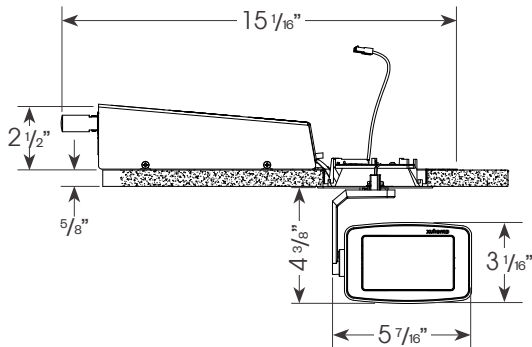
TYPE:

**Product Details** *(continued)*

**Murro Round Surface Canopy** *(Remodeler)*



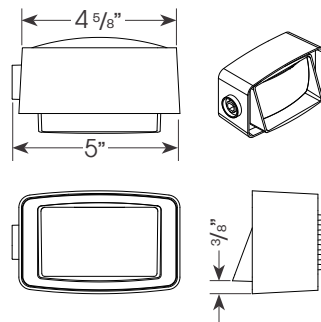
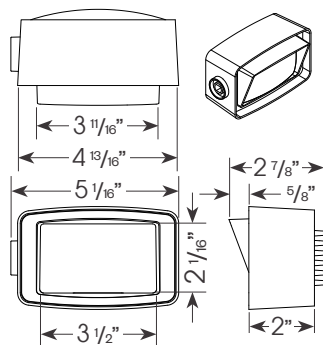
Ceiling cut out: 4" dia.



**Accessories**

Visor (Up)

Visor (Down)



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TYPE:

### Performance Data

**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:	19W	31W
Factor:	0.68	1.0

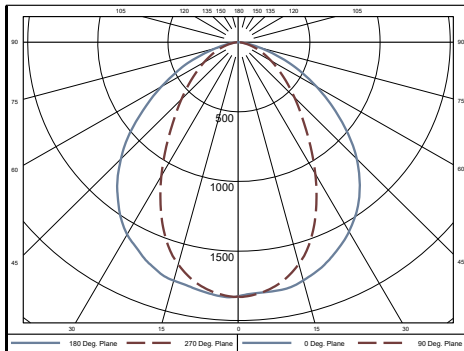
CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP	3CLA
Factor:	0.80	0.83	0.87	0.90	0.65	0.75

**MURRO LED WALL WASH 31W 3000K-83**

Source: 1 white LED array Lumens: 3673

Track Mounting

LTL# 14724077.01



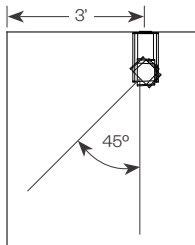
#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2063	56.2
0-60	3189	86.8
0-90	3673	100.0
90-180	0	0.00

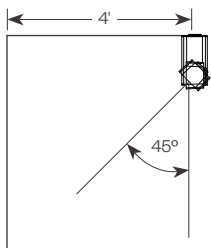
Efficacy: 118.4 lm/W

### Application Data (footcandles on wall)

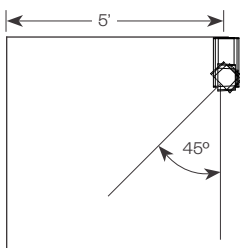
Footcandles are average and rounded off. Data for multiple units are based on a minimum of five units.



	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'
Distance from ceiling	145	138	100	66	45	32	24	19	14
	150	142	101	67	45	32	24	19	14
	82	91	77	57	41	29	23	19	14
	44	52	50	44	37	29	24	19	14
	42	50	50	44	36	29	24	19	14
	76	87	74	56	41	31	24	19	14
	156	139	100	67	45	33	25	20	14
	151	142	102	67	46	33	25	20	14



	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'
Distance from ceiling	85	88	73	55	41	30	23	15	13
	85	88	73	55	41	30	23	15	13
	58	65	59	48	37	28	21	15	13
	34	40	40	36	31	25	20	15	13
	23	28	29	29	26	23	20	15	13
	24	28	40	36	31	25	20	15	13
	34	40	58	48	37	28	21	15	13
	85	88	73	55	41	31	24	16	14
	85	88	73	55	41	31	24	16	14



	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'
Distance from ceiling	58	62	57	48	38	30	25	20	17
	58	62	57	48	38	30	25	20	17
	46	51	49	43	36	30	23	19	17
	32	37	38	36	31	28	22	19	17
	25	29	31	30	28	25	22	19	17
	25	29	31	30	28	25	22	19	17
	46	51	49	43	36	30	23	19	17
	58	62	57	48	38	30	25	20	17
	58	62	57	48	38	30	25	20	17

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### Dimming Compatibility

Amerlux® Murro® 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 ---

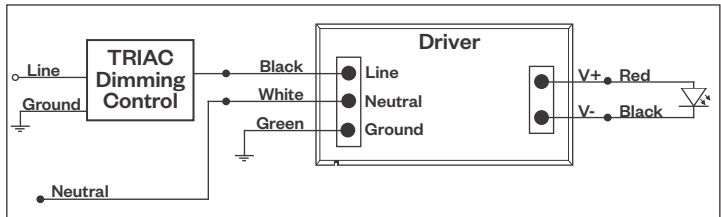
#### TRIAC (Forward Phase) Dimming

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"	

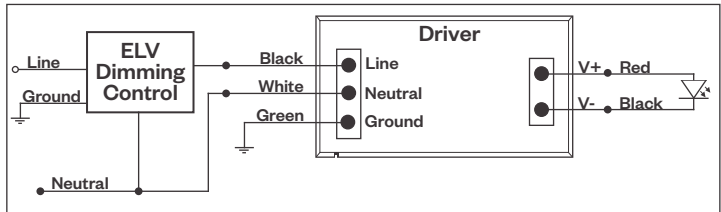
#### ELV - Electronic Low Voltage (Reverse Phase) Dimming

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.

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### Dimming Compatibility

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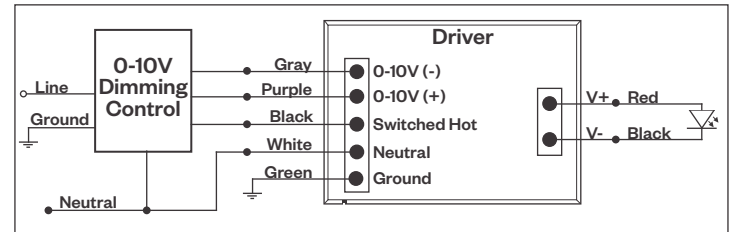
#### 0-10V Dimming

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	

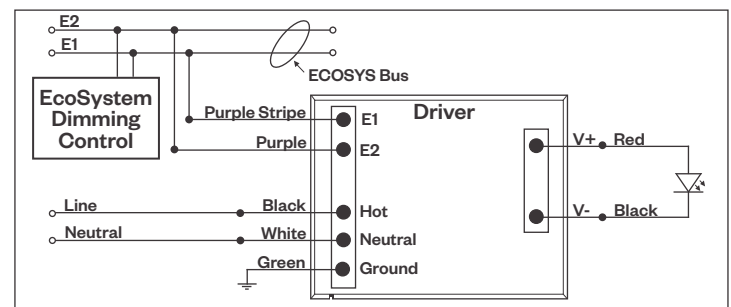
#### Lutron LDE1 Dimming

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

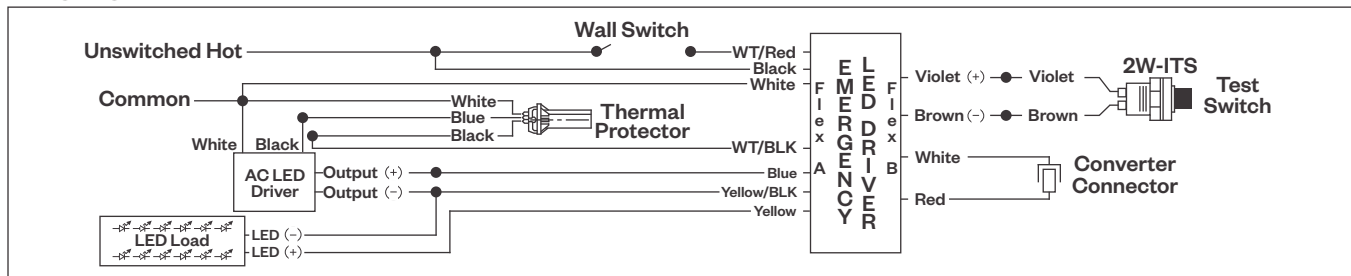


#### Compatible Dimmers\*:

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	

### Emergency Battery Pack

#### 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.

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