

# Grid Cove Wall Mount Uplight



PROJECT:

TYPE:

## Features

Extending the design language of the Indirect Grid Cove system and Perimeter Wash, the Grid Cove family presents a Wall Mounted Uplight. This wall mounted fixture produces a soft and smooth gradient of uplight. The sleek knife-edge profile maintains a clean aesthetic and conceals the LED source.



## Product Overview

- Type: Wall Mount Uplight
- Wattage: Configurable from 3W/ft to 10W/ft
- Color Temp: 3000K, 3500K, 4000K
- CRI: 90+ typ.
- Dimming: 0-10V, Hi-lume®, DALI

## Certifications



## Fixture Summary

### Performance Data

Ordered Wattage/Foot	Actual Wattage/Ft	Lumens/Foot	LPW
3	3.02	296	98
4	3.95	394	100
5	5.01	528	105
6	6.00	611	102
7	6.98	710	102
8	8.00	809	101
9	9.00	897	100
10	10.03	986	98

Data is based on 3500K, 90+ CRI

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## Ordering Information - Housing/Frame

GCOVE-WM		WASY		BWH		120/277	
1	2	3	4	5	6	7	8
1	Model	2	Optics	3	Wattage	4	Color Temp
	GCOVE-WM grid cove wall mount uplight		WASY wide asymmetric	3 3W/ft		309 3000K-90+	5 Finish
				4 4W/ft		359 3500K-90+	6 Voltage
				5 5W/ft		409 4000K-90+	
				6 6W/ft			
				7 7W/ft			
				8 8W/ft			
				9 9W/ft			
				10 10W/ft			
7	Length	8	Configuration	9 Driver/Controls			
	-----		<u>Straights</u>	0-10V 1% electronic dimming, multi-volt 120-277VAC constant current driver ( <i>standard</i> )			
			IND individual fixture, 4' to 8' in 2' increments	HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black			
			CON continuous run > than 8', specify to nearest foot	DALI DALI dimming 120-277VAC, 1% dim			
			CUS custom made to measure, +/- 1/8" of customer supplied field dimensions				

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## Specifications

### Application

Wall mounted to provide a soft smooth gradient indirect light. Can be used in Commercial, Educational, Healthcare and various other applications.

### Construction

Extruded aluminum housing.  
Galvanized cold-rolled steel brackets.  
Die-cast aluminum end caps.

### Optical

Lenses are snap-in extruded acrylic with maximum length of 8ft.  
The non-porous and smooth acrylic lens is ideal for applications requiring a wipe-down lens.

**WASY** - wide asymmetric optic maximizes light projection and uniformity

### LED

Color Temp Options: 3000K, 3500K, 4000K  
CRI: 90+ typ.  
R9 Values: 55 (92 CRI)  
Binning: 3 MacAdam (SDCM)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

### Electrical

Wattage: 3W/ft to 10W/ft  
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.***

### Finish

All painted surfaces are premium powder coated baked on for maximum durability and color stability.  
**BWH** - blizzard white

### Mounting

Fixture mounts to the wall using brackets.

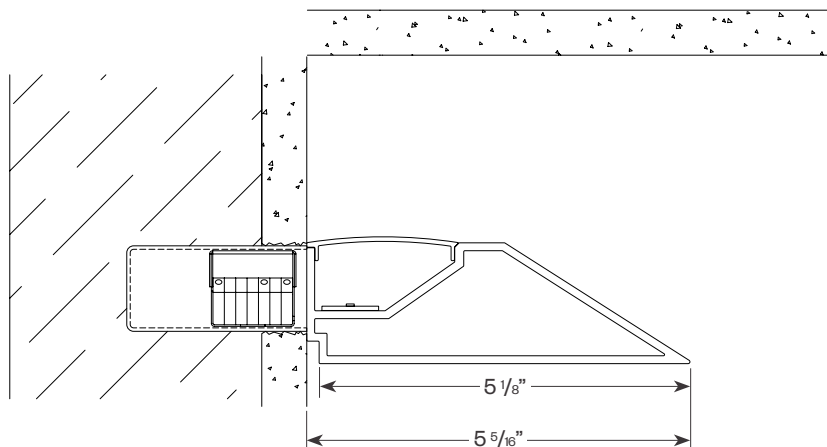
### Certifications

CSA damp as tested to UL 1598 standards  
Damp location

### Warranty

5 year limited warranty

## Product Details



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## Performance Data

**Multiplying Factors:** (Multiplying Factor is based on 3500K-90 120V IES file on website)

Wattage:	3W	4W	5W	6W	7W	8W	9W	10W
Factor:	0.30	0.40	0.51	0.62	0.72	0.82	0.91	1.00

Note: Wattage multipliers are based on a 10W/ft reference value.

CCT:	2700K-90	3000K-90	3500K-90	4000K-90
Factor:	0.95	0.96	1.00	1.04

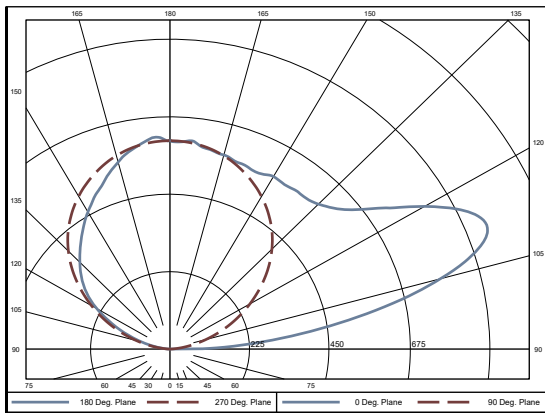
### GRID COVE WM WIDE ASYMMETRIC LENS 5W 3500K 90CRI 4FT

Total Watts: 20

Total Lumens: 2111

Source: 192 White LED's

LTL# 15863453.06



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	0	0.0
0-60	0	0.0
0-90	0	0.0
90-180	2111	100.0

Efficacy (lumens/watt) = 105.3 lm/W

#### COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
RCR				
0	95	95	95	95
1	87	83	79	76
2	79	72	66	62
3	72	63	57	51
4	65	56	48	43
5	60	49	42	36
6	55	44	36	31
7	50	39	32	27
8	47	35	28	23
9	43	32	25	20
10	40	29	22	18

Note: Values expressed as % of total lumen output delivered to the task surface.

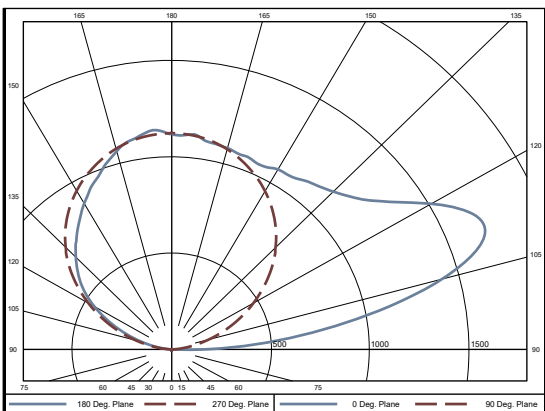
### GRID COVE WM WIDE ASYMMETRIC LENS 10W 3500K 90CRI 4FT

Total Watts: 40

Total Lumens: 3942

Source: 192 White LED's

LTL# 15863453.05



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	0	0.0
0-60	0	0.0
0-90	0	0.0
90-180	3942	100.0

Efficacy (lumens/watt) = 98.2 lm/W

#### COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
RCR				
0	95	95	95	95
1	87	83	79	76
2	79	72	66	62
3	72	63	57	51
4	65	56	48	43
5	60	49	42	36
6	55	44	36	31
7	50	39	32	27
8	47	35	28	23
9	43	32	25	20
10	40	29	22	18

Note: Values expressed as % of total lumen output delivered to the task surface.

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## Dimming Compatibility *(continued)*

Amerlux® Grid Cove 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 ---**

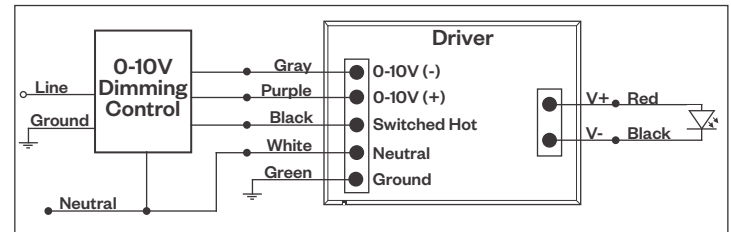
### 0-10V Dimming

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	

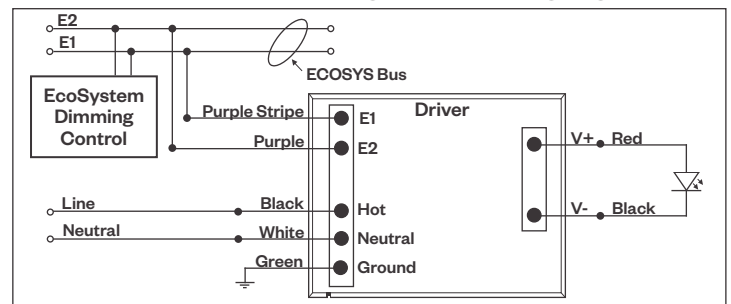
### LUTRON LDE1 DIMMING

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	

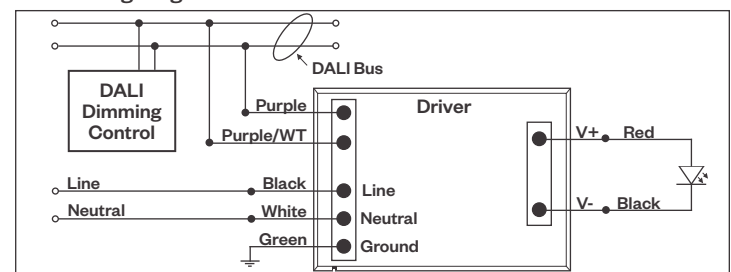
### DALI - DALI DIMMING 120V-277V

Digital control protocol allows individual fixture control

#### Notes:

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

### 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.