

Grid Cove Perimeter Wash



PROJECT:

TYPE:

Features

The Grid Cove Perimeter Wash perfectly complements the Grid Cove Indirect system by mounting along the room's perimeter to deliver a soft, smooth gradient wallwash effect. This fixture is designed to seamlessly navigate 90-degree corners, enabling continuous, uninterrupted lines of light that elegantly wrap around your space.



Product Overview

Type: Perimeter Cove Light
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	285	95
4	3.95	380	96
5	5.08	485	95
6	6.00	590	98
7	6.98	685	98
8	8.00	780	97
9	9.00	865	96
10	10.03	951	95

Data is based on 3500K, 90+ CRI

Grid Cove Perimeter Wash



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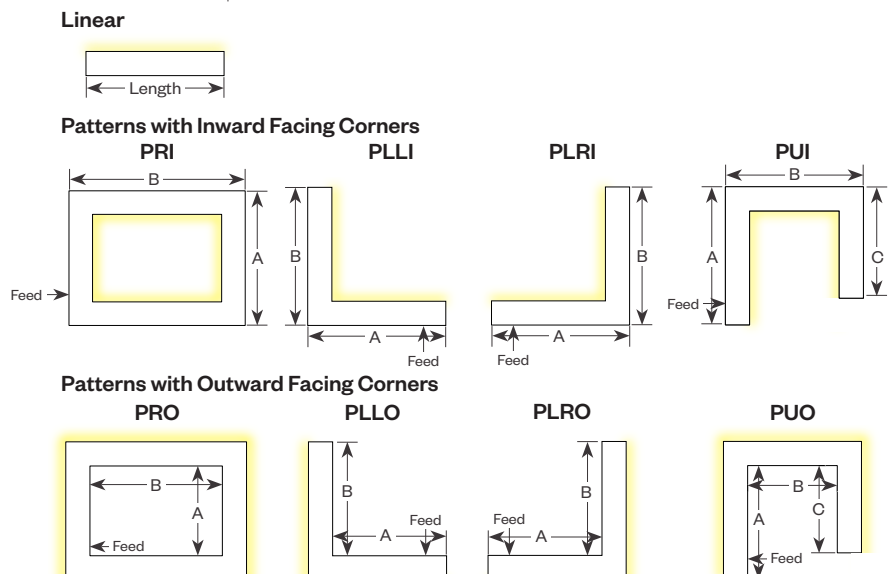
TYPE:

Ordering Information - Housing/Frame

GCOVE-PW		WASY		BWH		120/277					
1		2		3		4		5		6	
1	Model	2	Optics	3	Tee Size	4	Wattage	5	Color Temp	6	Finish
	GCOVE-PW grid cove perimeter wash		WASY wide asymmetric		9/16 9/16" T-bars 15/16 15/16" T-bars		3* 3W/ft 4* 4W/ft 5 5W/ft 6 6W/ft 7 7W/ft 8 8W/ft 9 9W/ft 10 10W/ft <i>* 4' min length required</i>		309 3000K-90+ 359 3500K-90+ 409 4000K-90+		BWH blizzard white

7	Voltage	8	Length	9	Configuration
	120/277		<div> <div>X</div> <div>X</div> </div> <div> <div>Length A</div> <div>Length B</div> <div>Length C</div> </div> <div> <div>- all patterns</div> <div>- IND</div> <div>- CON</div> <div>- CUS</div> </div> <div> <div>- all patterns</div> <div>- PRO</div> <div>- PLLO</div> <div>- PLRO</div> </div> <div> <div>- PUO</div> </div>		<p>Linear Segments (ships with end caps)</p> <p>IND individual fixture, 2' to 8' in 2' increments</p> <p>CON continuous run > than 8', specify to nearest foot</p> <p>CUS custom made to measure, +/- 1/8" of customer supplied field dimensions</p> <hr/> <p>Linear Wall-to-Wall (ships without end caps)</p> <p>WTW custom made to measure, +/- 1/8" of customer supplied field dimensions</p> <hr/> <p>Patterns with Inward Facing Corners</p> <p>PRI Rectangle shape, (4) straight lengths + (4) 90° corners</p> <p>PLLI L left, (2) straights + (1) 90° corner, leg right</p> <p>PLRI L right, (2) straights + (1) 90° corner, leg left</p> <p>PUI U shape, (3) straight lengths + (2) 90° corners</p> <hr/> <p>Patterns with Outward Facing Corners</p> <p>PRO Rectangle shape, (4) straight lengths + (4) 90° corners</p> <p>PLLO L left, (2) straights + (1) 90° corner, leg right</p> <p>PLRO L right, (2) straights + (1) 90° corner, leg left</p> <p>PUO U shape, (3) straight lengths + (2) 90° corners</p>

10	Driver/Controls
	<p>0-10V 1% electronic dimming, multi-volt 120-277VAC constant current driver (standard)</p> <p>HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black</p> <p>DALI DALI dimming 120-277VAC, 1% dim</p>



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Specifications

Application

Installs into any grid ceiling applications. Mounts on the perimeter and provides a wall wash effect.

Construction

Extruded aluminum housing.
Galvanized cold-rolled steel brackets.
Pre-painted sheet metal end caps.

Optical

Lenses are snap-in extruded acrylic with maximum length of 8ft.
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

For use in grid ceiling, perimeter mounting.
Fixture is screwed into the adjacent wall and suspended with hanging wires or threaded rod (*by others*).

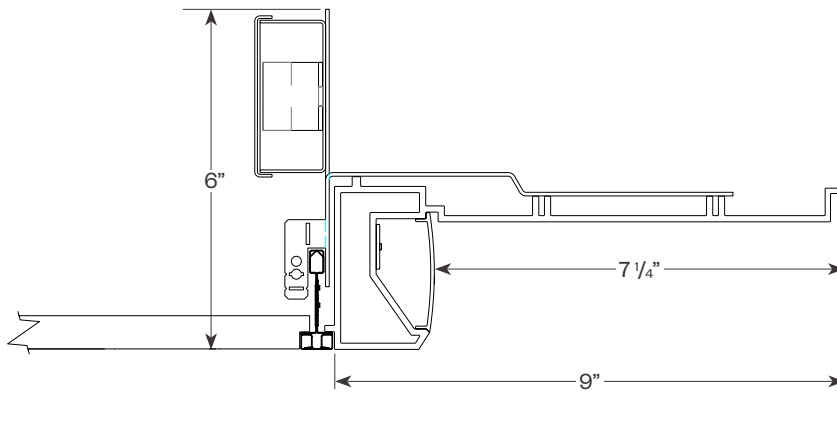
Certifications

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

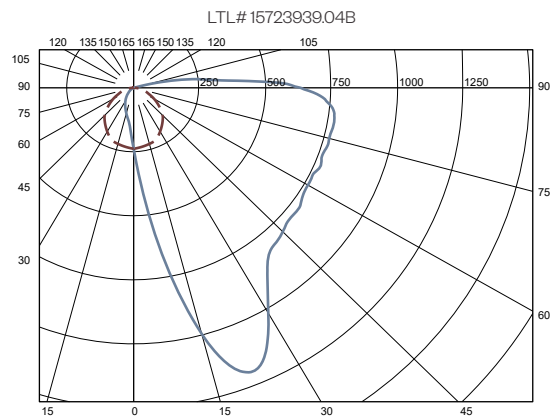
CCT:	2700K-90	3000K-90	3500K-90	4000K-90
Factor:	0.95	0.96	1.00	1.04

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

Total Watts: 20

Total Lumens: 2040

Source: 192 White LED's



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	609	29.8
0-60	1112	54.5
0-90	1864	91.4
90-180	176	8.6

Efficacy (lumens/watt) = 101.4 lm/W

COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
ROR				
0	117	117	117	117
1	102	95	89	83
2	91	80	72	64
3	82	69	59	52
4	74	61	50	43
5	68	54	44	36
6	63	48	38	31
7	58	43	34	27
8	54	39	30	24
9	50	36	27	21
10	47	33	25	19

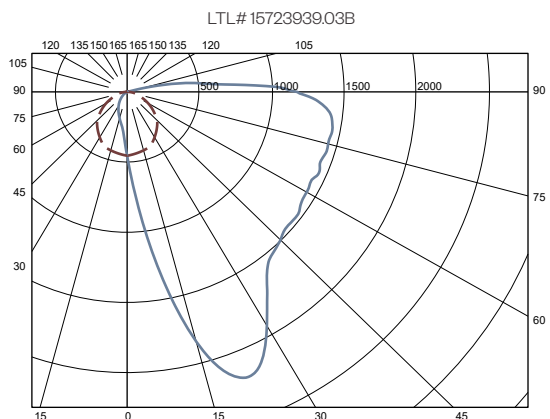
Note: Values expressed as % of total lumen output delivered to the task surface.

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

Total Watts: 40

Total Lumens: 3806

Source: 192 White LED's



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1139	29.9
0-60	2079	54.6
0-90	3478	91.4
90-180	328	8.6

Efficacy (lumens/watt) = 94.8 lm/W

COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
ROR				
0	117	117	117	117
1	102	95	89	83
2	91	80	72	64
3	82	69	59	52
4	74	61	50	43
5	68	54	44	36
6	63	48	38	31
7	58	43	34	27
8	54	39	30	24
9	50	36	27	21
10	47	33	25	19

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 ---

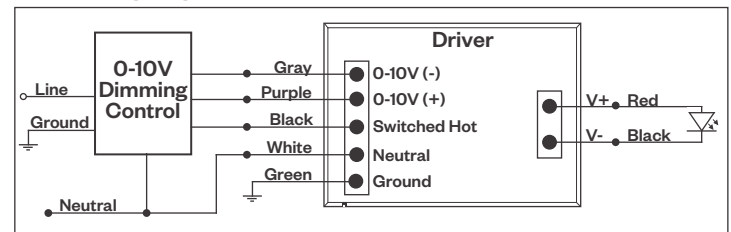
0-10V Dimming

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	

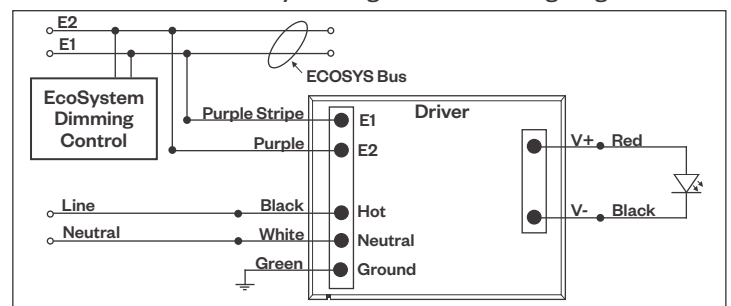
LUTRON LDE1 DIMMING

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	

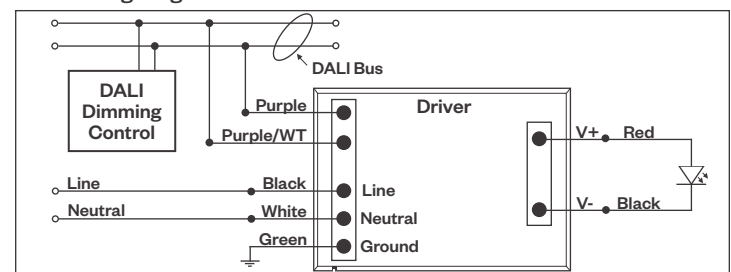
DALI - DALI DIMMING 120V-277V

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.