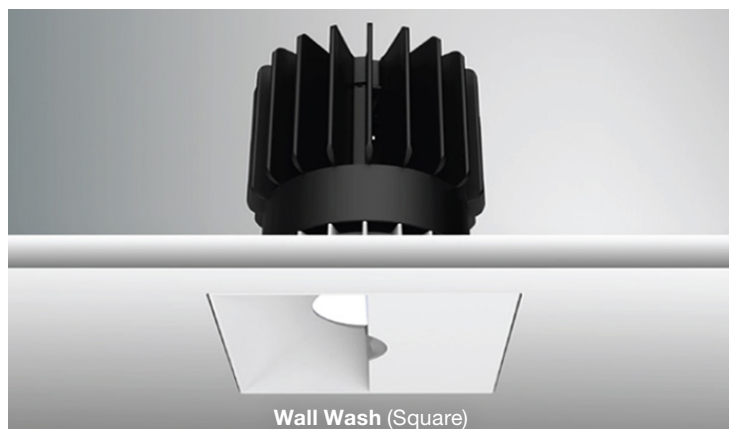
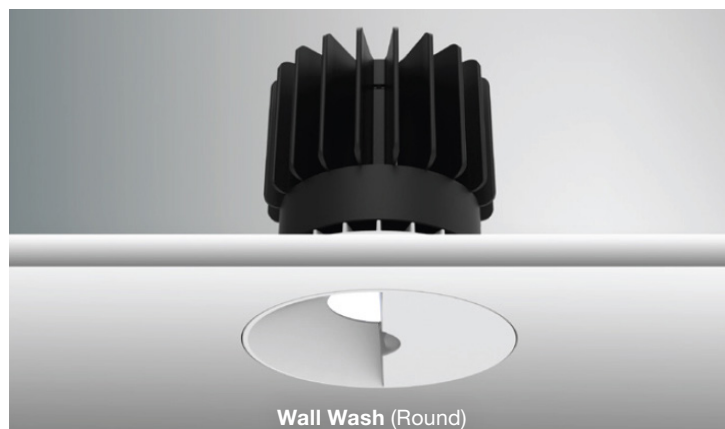


# LUCA 3.5" WARM DIM

120V-277V, RECESSED WALL WASH DOWNLIGHTS



Wall Wash (Square)



Wall Wash (Round)

## DESCRIPTION

Introducing Luca 3.5 "The Bringer of Light" Wall Wash Downlight series, a testament to the latest advancements in cutting-edge lighting technology, delivering high performance solutions designed to elevate hospitality, retail, commercial, and discerning residential spaces. Featuring precision optics, the Luca Wall Wash delivers a beam reaching the very top of the wall, creating an elegant wash of illumination. With a Color Rendering Index (CRI) surpassing 90, these lights ensure exceptional color accuracy, making it an ideal choice for spaces where ambiance and visual clarity are paramount.

The Luca Wall Wash Downlight series delivers captivating illumination across a wide spectrum, creating a visually engaging experience within any

space. With its extensive range of design and installation options, our Luca 3.5 Wall Wash Downlight is versatile for a wide array of new construction and remodel applications. Moreover, the compact form factor of the Luca 3.5 allows for installation in spaces with limited clearance.

Discover a new era of lighting performance and versatility with the Downlight and Wall Wash Series, where superior optics, lumen performance, and outstanding color consistency converge to transform a space. For personalized quotes and expert layout assistance, share your drawings and concepts with our design team at [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com)

## SPECIFICATIONS

TRIM OPTIONS	With Trim, Trimless, Round, Square			
ADJUSTABLE	360 Rotation			
BEAM ANGLE	Asymmetrical			
WATTAGE	16W	20W	24W	28W
LUMENS @ 3000K, 30 Degrees	980Lm	1175Lm	1315Lm	1452Lm
EFFICACY	61Lm/W	59Lm/W	55Lm/W	59Lm/W
CCT	3000D			
CRI AVERAGE	90+			
INPUT VOLTAGE	120V ELV/TRIAC, 120V-277V & 0-10V & DALI			
CONSTRUCTION	Housing: Galvanized Steel Trims and Reflectors: Die-Cast Aluminum			
FINISH	Reflector: White, Black, Haze Silver (low-glare) Trims: White, Black (Select finish options for Reflector and Trim separately)			

DIMMING	Universal Dimming TRIAC/ELV: 100% – 3% 0-10V: 100% – 0.1% dim to off DALI2: 100% – 0.1% dim to off Pure Smart™ 100% – 5% <a href="#">Pure Smart™</a> Wi-Fi Dimmer TRIAC/ELV (applies to traditional bulbs and fixtures static CCT). Communicates via 2.4GHz Wi-Fi. No Hub needed. Voice control with Goggle Assistant, Alexa, Siri Shortcuts, and IFTTT
CUT OUT SIZE	Round Ø: 4" Square: 4"
CEILING THICKNESS	0.5" - 1"
ENVIRONMENT	Suitable for damp locations
CERTIFICATIONS	ETL Listed. Meets Title 24 (JA8) requirements.
AVERAGE LIFE	50,000 Hours
WARRANTY*	5 Years *See published warranty terms for detailed information

## NOMINAL LAMP DATA

	LUCA 2.7 STATIC WHITE		
WATTS PER FOOT	16W	20W	24W
COLOR TEMPERATURE	30D	30D	30D
LUMENS	459	650	728
LUMENS PER WATT (lm/w)	29	32	30
CRI	93	98	98

PROJECT	FIXTURE TYPE	DATE
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# LUCA 3.5" WARM DIM

120V-277V, RECESSED WALL WASH DOWNLIGHTS

REV 04.28.25

## REMODEL NON-IC (Included with Standard Ordering Code)

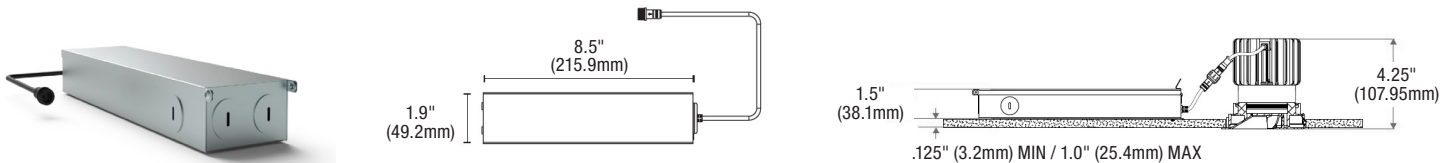
The standard ordering code serves both as a standalone option for remodeling and can also be utilized to incorporate new construction frames and housings.

System	Beam Spread	Color Temperature @ 90+ CRI	Trim Shape	Trim Function	Reflector Finish	Trim Type Finish
<b>L35</b>	<b>WW</b>	<b>30D</b>	<b>R</b>	<b>W</b>	<b>W</b>	<b>L</b>
<b>L35</b> Luca 3.5 Light Engine	<b>WW</b> Wall Wash Asymmetrical Beam Spread	<b>30D</b> 3000K Warm Dim	<b>R</b> Round <b>S</b> Square	<b>W</b> Wall Wash	<b>W</b> White <b>B</b> Black <b>H</b> Haze <b>C</b> Custom	<b>W</b> White <b>B</b> Black <b>L</b> Trimless <b>C</b> Custom



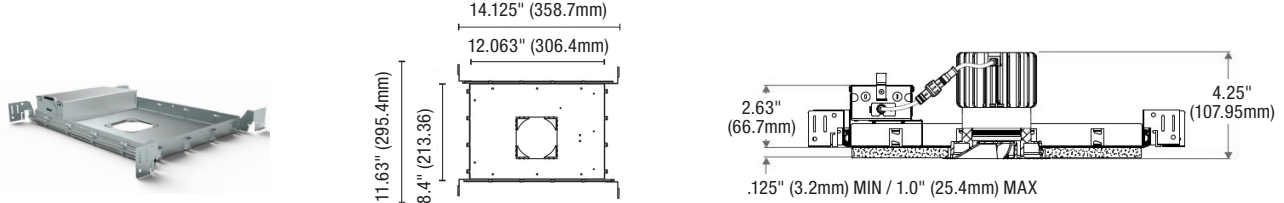
## LUCA 3.5 New Construction Frames and Housings

### REMODEL NON-IC



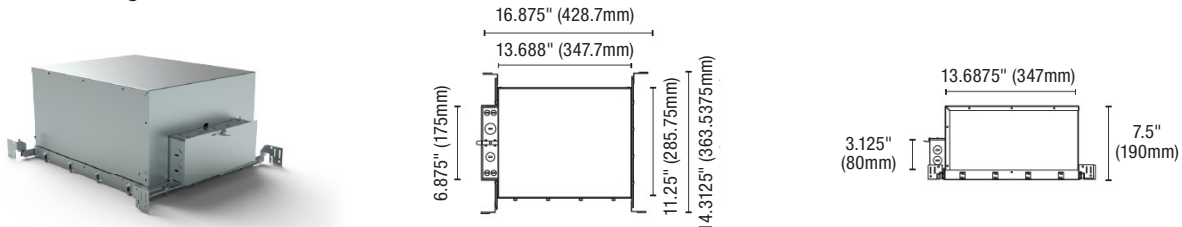
Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L35</b>	<b>RM</b>	<b>NIC</b>	<b>28W</b>	<b>UN</b>
<b>L35</b> Luca 3.5 Downlight	<b>RM</b> Remodel	<b>NIC</b> Non-Insulation Contact	<b>16W</b> 16 Watts/980 Lumens <b>20W</b> 20 Watts/1175 Lumens <b>24W</b> 24 Watts/1315 Lumens <b>28W</b> 28 Watts/1542 Lumens	<b>UN</b> TRIAC/MLV, ELV 120V Input <b>01</b> 0-10V 120V/277V Input <b>DA</b> DALI 2 120V/277V input

### NEW CONSTRUCTION FRAME NON-IC



Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L35</b>	<b>NCF</b>	<b>NIC</b>	<b>28W</b>	<b>UN</b>
<b>L35</b> Luca 3.5 Downlight	<b>NCF</b> New Construction Frame	<b>NIC</b> Non-Insulation Contact	<b>16W</b> 16 Watts/980 Lumens <b>20W</b> 20 Watts/1175 Lumens <b>24W</b> 24 Watts/1315 Lumens <b>28W</b> 28 Watts/1542 Lumens	<b>UN</b> TRIAC/MLV, ELV 120V Input <b>01</b> 0-10V 120V/277V Input <b>DA</b> DALI 2 120V/277V input

### New Construction Housing IC



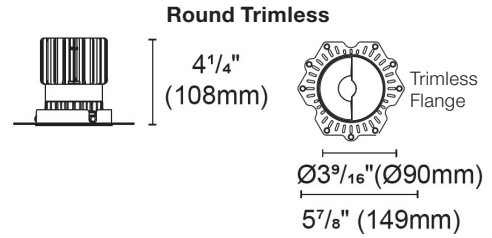
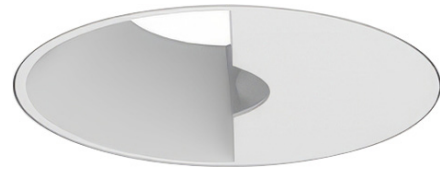
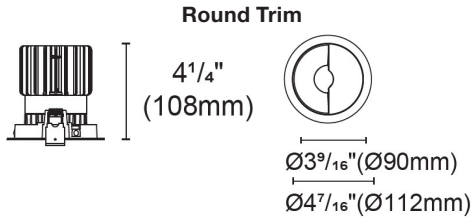
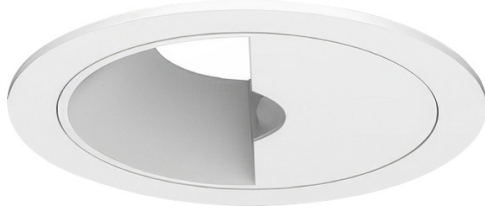
Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L35</b>	<b>NCH</b>	<b>IC</b>	<b>24W</b>	<b>UN</b>
<b>L35</b> Luca 3.5 Downlight	<b>NCH</b> New Construction Housing	<b>IC</b> Insulation Contact	<b>16W</b> 16 Watts/980 Lumens <b>20W</b> 20 Watts/1175 Lumens <b>24W</b> 24 Watts/1315 Lumens <b>28W</b> 28 Watts/1542 Lumens	<b>UN</b> TRIAC/MLV, ELV 120V Input <b>01</b> 0-10V 120V/277V Input <b>DA</b> DALI 2 120V/277V input

PROJECT		FIXTURE TYPE		DATE	
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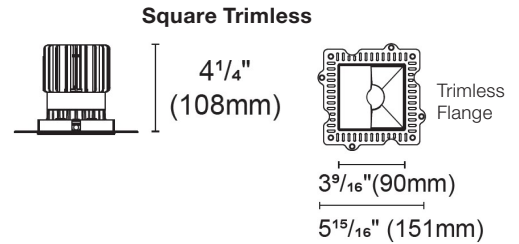
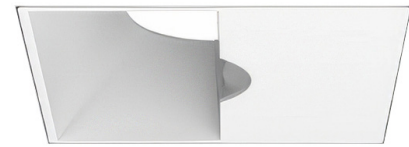
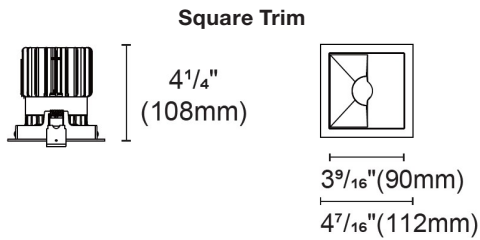
# LUCA 3.5" WARM DIM 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## LUCA 3.5 WALL WASH TRIM OPTIONS

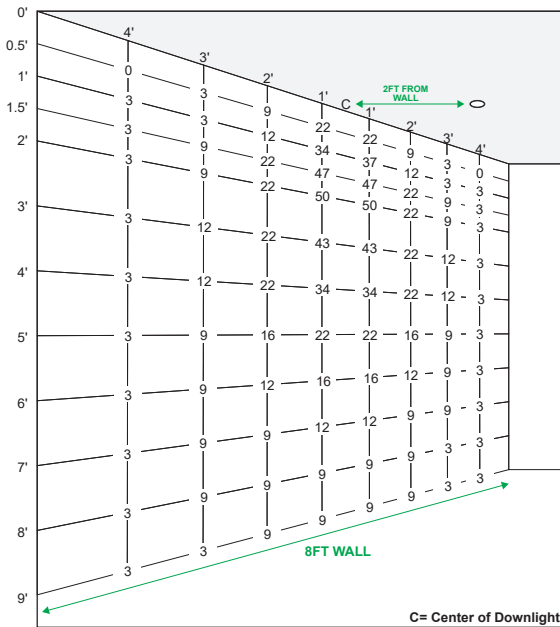
### Wall Wash - Round



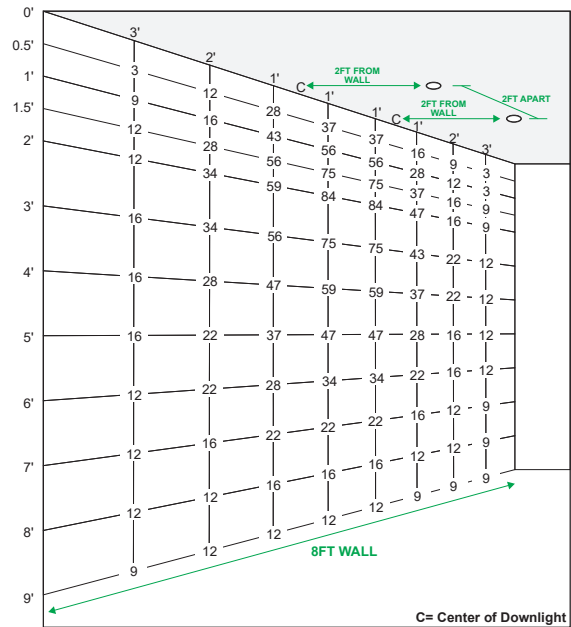
### Wall Wash - Square



### SINGLE LUCA 3.5 WALL WASH FOOT CANDLE DISTRIBUTION



### TWO LUCA 3.5 WALL WASH FOOT CANDLE DISTRIBUTION



PROJECT		FIXTURE TYPE		DATE	
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# **LUCA 3.5" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **LUCA 3.5 TRIM & REFLECTOR OPTIONS**

### **ROUND**

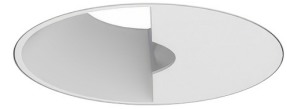
**Black Trim**

**White Trim**

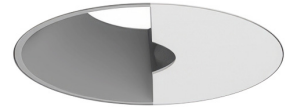
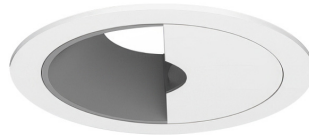
**Trimless**



**Black Reflector with Black Cover**



**White Reflector with White Cover**



**Haze Reflector with White Cover**

### **SQUARE**

**Black Trim**

**White Trim**

**Trimless**



**Black Reflector with Black Cover**

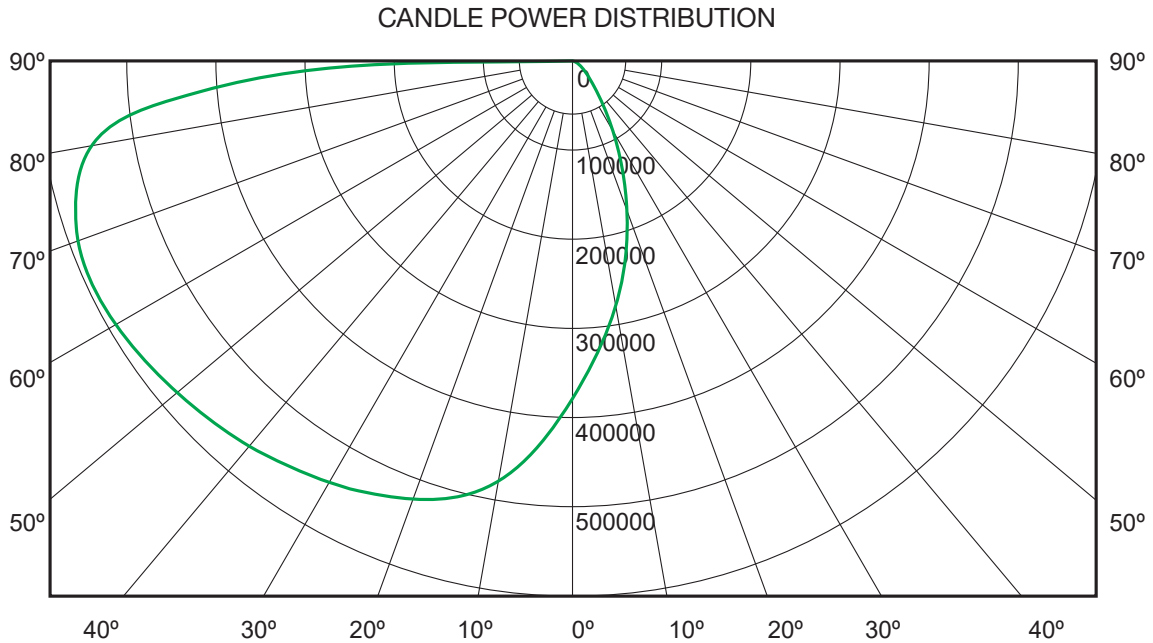
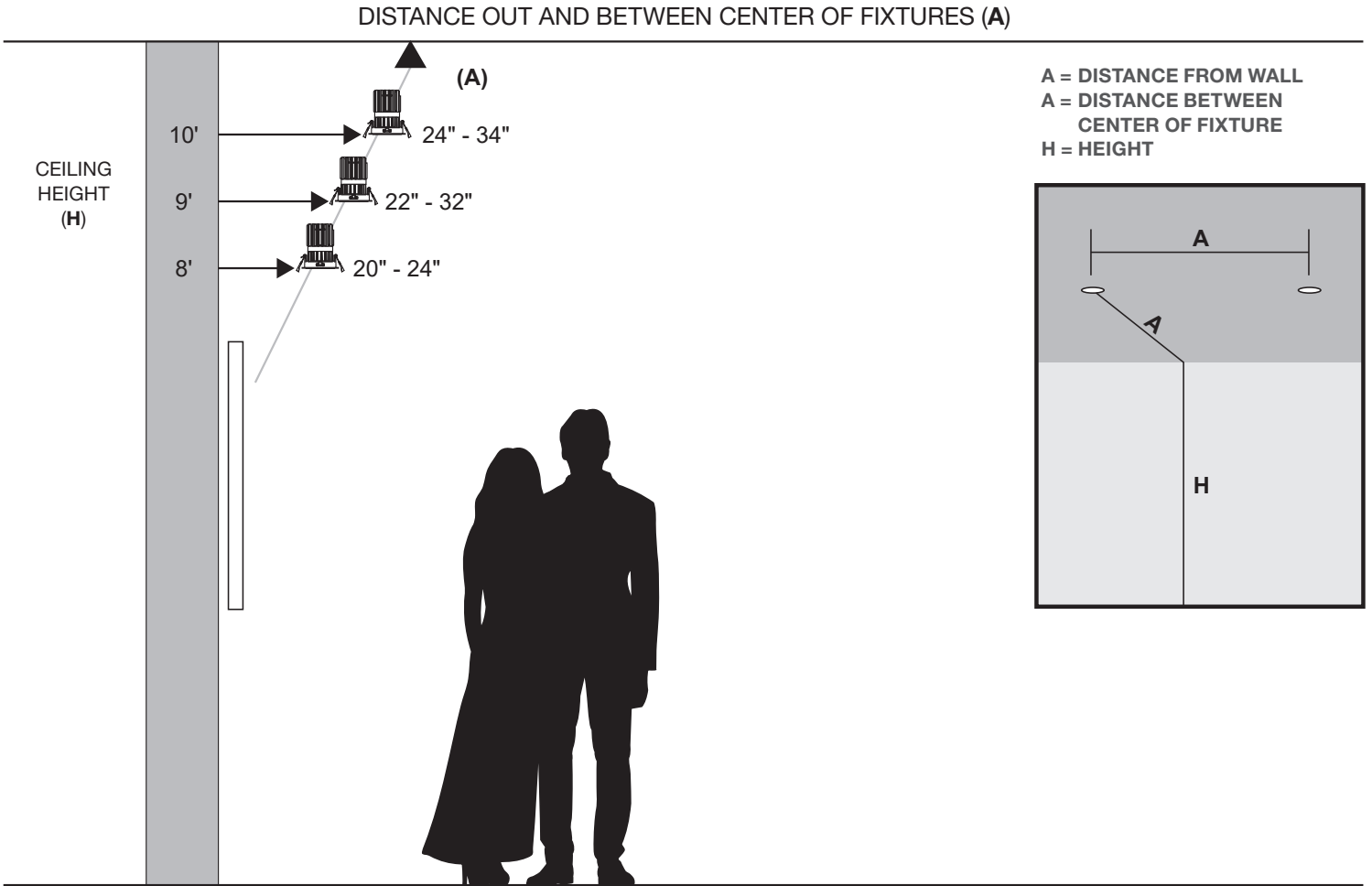


**White Reflector with White Cover**



**Haze Reflector with White Cover**

# **LUCA 3.5" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS



PROJECT		FIXTURE TYPE		DATE	
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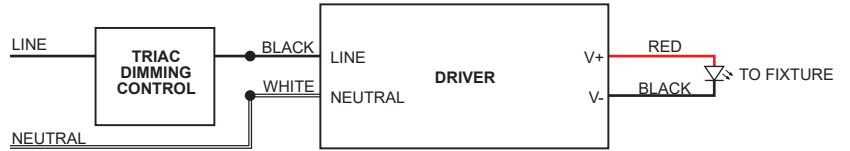
# **LUCA 3.5" WARM DIM**

120V-277V, RECESSED WALL WASH DOWNLIGHTS

REV 04.28.25

## **WIRING DIAGRAMS**

TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)  
 Input 120VAC 50/60Hz  
 Range 100% - 3%

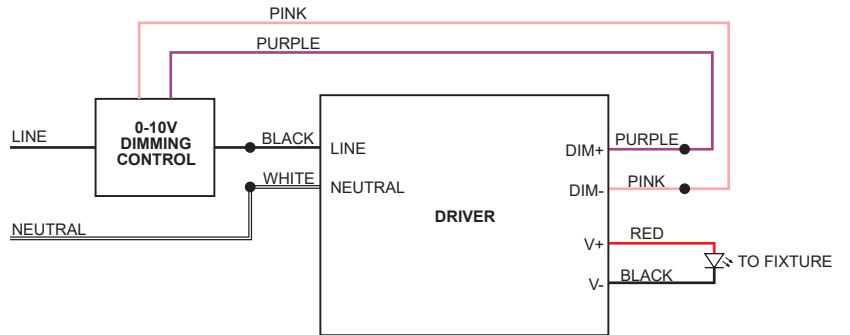


ELV / REVERSE PHASE / TRAILING EDGE DIMMING (TRI)  
 Input 120VAC 50/60Hz  
 Range 100% - 3%



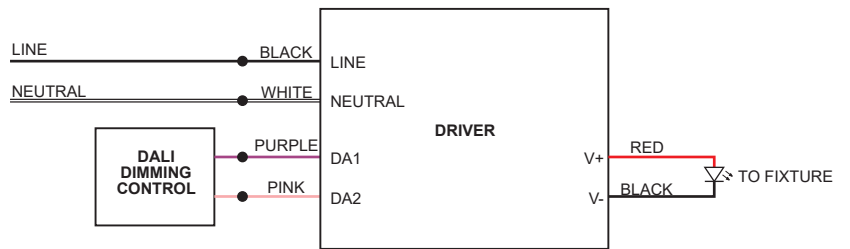
0-10V DIMMING (010)  
 Input 120VAC-277VAC 50/60Hz  
 Range 100% - 0.1% Dim to Off

NOTE  
 Cap off unused wires individually.  
 DO NOT cap together.



DALI DIMMING (DAL)  
 Input 120VAC-277VAC 50/60Hz  
 Range 100% - 0.1% Dim to Off

NOTE  
 Cap off unused wires individually.  
 DO NOT cap together.



PROJECT		FIXTURE TYPE		DATE	
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# LUCA 3.5" WARM DIM

120V-277V, RECESSED WALL WASH DOWNLIGHTS

## LUCA 3.5 DIMMING & CONTROLS



### DESCRIPTION

The Pure Smart™ Wi-Fi dimmer works with non-smart bulbs and fixtures compatible with forward phase or Triac dimming(not compatible with 0-10V Dimming). Smart Wi-Fi Dimmer also allows for scheduling, grouping, voice control and control from anywhere via the WIZ app on your mobile device or the WIZ Pro Dashboard on your desktop.

### OPERATION\*

Features an ON/OFF switch and dimming functionality activated with a long press of the On (Brightness Up) or Off (Brightness Down) button. 400W Maximum Incandescent load, 150W CFL and/or retrofit LED bulb. Minimum trim and fade in/out settings are adjusted in the WIZ App. Communicates over 2.4 GHz Wi-Fi only. If remote power is being used, this dimmer is only compatible with PureEdge Universal Power Supplies. No Hub Required.

\*When dimming traditional CFL/LEDs, ensure they are marked as dimmable.

### BODY

Durable polycarbonate body. Compatible with decorator style wall plate (Not Included)

### EASY INSTALLATION

The Pure Smart™ Wi-Fi Dimmer installs just like a regular in-wall switch. Works with any non-smart Static CCT or Warm Dim bulb/fixture compatible with forward phase or Triac dimming. Can be used in 3-way applications(Reference Manual for Wiring Diagram). Compatible with standard gangable boxes. Requires neutral wire. No Hub Required.

### WIZ APP

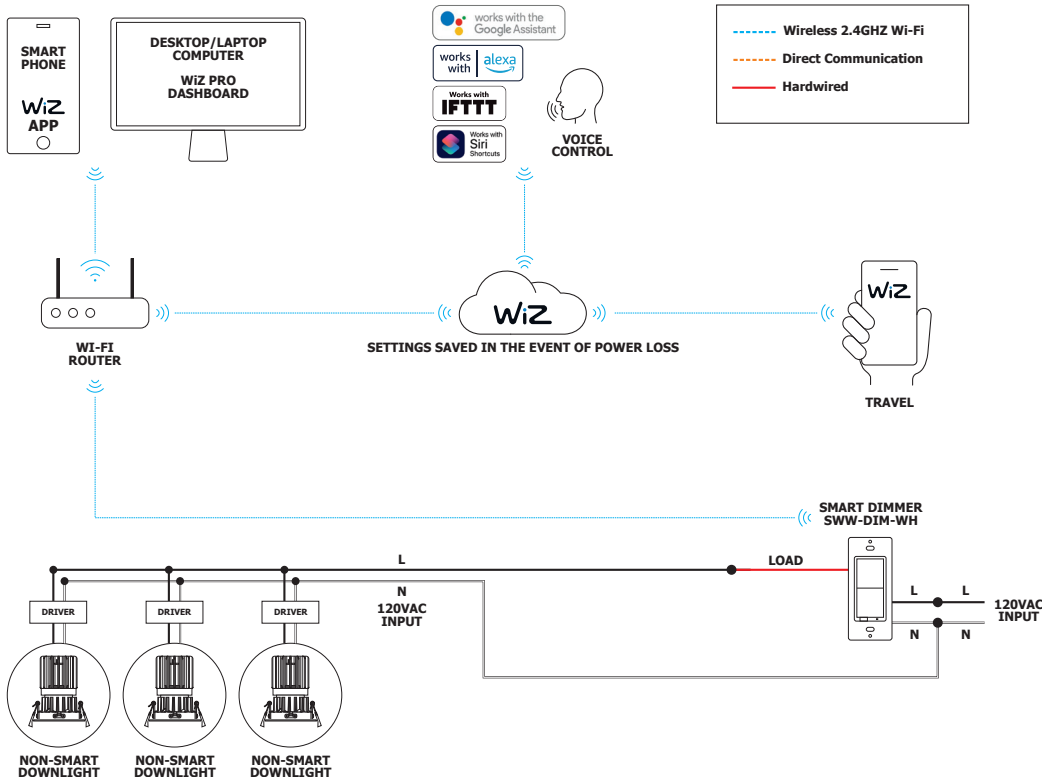
The Pure Smart™ Dimmer can be controlled via the WIZ app (works with iOS and Android) from anywhere. Voice control enabled when used in conjunction with Google Assistant, Siri, Alexa, IFTTT, and SmartThings. Grouping, zoning, and scheduling can all be programmed with the WIZ app or WIZ Pro Dashboard.

### SECURITY

3rd party log-in and cloud security provide a safe and protected connection. WIZ does not store nor share any personal information.

Product	Type	Finish
<b>SWW</b>	<b>DIM</b>	<b>WH</b>
SWW Pure Smart Wall WIZ Pro Connected	DIM Dimmer	WH White

## NETWORK TOPOLOGY



PROJECT	FIXTURE TYPE	DATE
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**LUCA 3.5" WARM DIM**  
120V-277V, RECESSED WALL WASH DOWNLIGHTS



REV 04.28.25

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