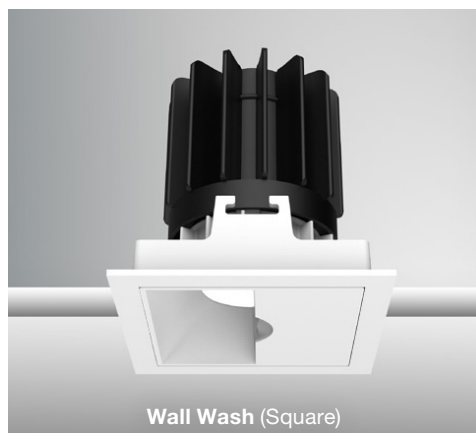
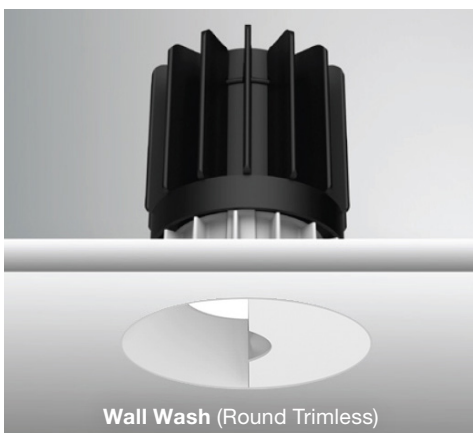


# LUCA 2.7" WARM DIM

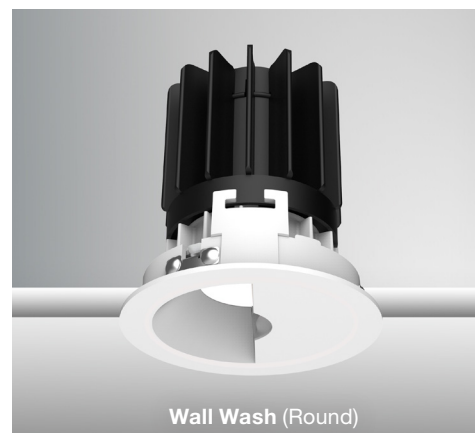
120V-277V, RECESSED WALL WASH DOWNLIGHTS



Wall Wash (Square)



Wall Wash (Round Trimless)



Wall Wash (Round)

## DESCRIPTION

Introducing the Luca 2.7 "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 downlights deliver a beam that reaches the very top of the wall, creating an elegant wash of light. With a Color Rendering Index (CRI) surpassing 90, these lights ensure exceptional color accuracy, making them 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 2.7 Wall Wash Downlight is versatile for a wide array of new construction and remodel applications. Moreover, the compact form factor of the Luca 2.7 allows for installation in spaces with limited clearance.

Discover a new era of lighting performance and versatility with the Luca 2.7 Downlight 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

<b>TRIM OPTIONS</b>	With Trim, Trimless, Round, Square		
<b>FINISH</b>	Reflector: White, Black, Haze Silver (low-glare), Trims: White, Black, Custom		
<b>BEAM ANGLE</b>	Asymmetrical		
<b>WATTAGE</b>	16W	20W	24W
<b>LUMENS @ 3000K, 30°</b>	820Lm	983Lm	1100Lm
<b>EFFICACY</b>	51Lm/W	55Lm/W	46Lm/W
<b>CCT</b>	3000D		
<b>AVERAGE CRI</b>	90+		
<b>INPUT VOLTAGE</b>	120V ELV/TRIAC, 120V-277V & 0-10V & DALI/DMX		
<b>CONSTRUCTION</b>	Housing: Galvanized Steel Heat Sink, Trims and Reflectors: Die-Cast Aluminum		

<b>DIMMING</b>	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 2.4GHz Wi-Fi. No Hub needed. Voice control with Goggle Assistant, Alexa, Siri, Shortcuts, and IFTTT
<b>CUT OUT SIZE</b>	Round: Ø3", Square: 3"
<b>CEILING THICKNESS</b>	0.5" - 1"
<b>ENVIRONMENT</b>	Suitable for damp locations
<b>CERTIFICATIONS</b>	ETL Listed. Meets Title 24 (JA8) requirements.
<b>AVERAGE LIFE</b>	50,000 Hours
<b>WARRANTY*</b>	5 Years <small>*See published warranty terms for detailed information</small>

## 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	
---------	--	--------------	--	------	--

# **LUCA 2.7" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **LUCA 2.7 Light Engine**

### **LIGHT ENGINE**


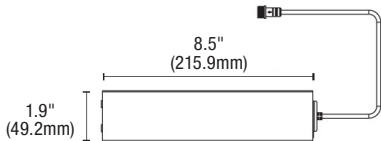
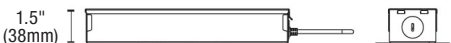
System	Beam Spread	Color Temperature	Shape	Function	Reflector Finish	Trim Type/Finish
<b>L27</b>	<b>WW</b>	<b>30D</b>	<b>R</b>	<b>W</b>	<b>W</b>	<b>W</b>
<b>L27</b> Luca 2.7 Light Engine	<b>WW</b> Wall Wash Asymmetrical Beam Spread	<b>30D</b> 3000K Warm Dim	<b>R</b> Round <b>S</b> Square	<b>W</b> Wall Wash	<b>W</b> White <b>B</b> Black <b>C</b> Custom <b>H</b> Haze (Satin Silver)	<b>W</b> White <b>B</b> Black <b>L</b> Trimless <b>C</b> Custom



## **Frames & Housings**

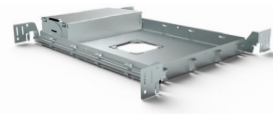
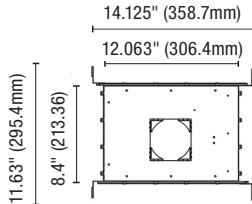

### **REMODEL NON-IC with 120V DRIVER**

Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L27</b>	<b>RM</b>	<b>NIC</b>	<b>24W</b>	<b>UN</b>
<b>L27</b> Luca 2.7 Downlight	<b>RM</b> Remodel	<b>NIC</b> Non-Insulation Contact	<b>16W</b> 16 Watts/820 Lumens <b>20W</b> 20 Watts/983 Lumens <b>24W</b> 24 Watts/1100 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


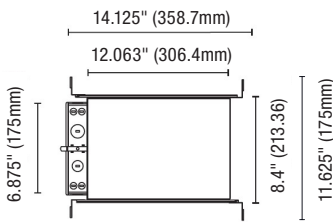
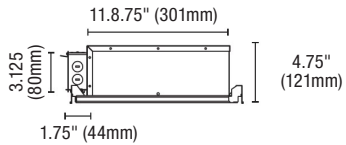
### **NEW CONSTRUCTION FRAME NON-IC with 120V DRIVER**

Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L27</b>	<b>NCF</b>	<b>NIC</b>	<b>20W</b>	<b>UN</b>
<b>L27</b> Luca 2.7 Downlight	<b>NCF</b> New Construction Frame	<b>NIC</b> Non-Insulation Contact	<b>16W</b> 16 Watts/820 Lumens <b>20W</b> 20 Watts/983 Lumens <b>24W</b> 24 Watts/1100 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 with 120V DRIVER**

Product	Housing Type	Rating Type	Wattage/Lumens	Dimming
<b>L27</b>	<b>NCH</b>	<b>IC</b>	<b>16W</b>	<b>UN</b>
<b>L27</b> Luca 2.7 Downlight	<b>NCH</b> New Construction Housing	<b>IC</b> Insulation Contact	<b>16W</b> 16 Watts/820 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

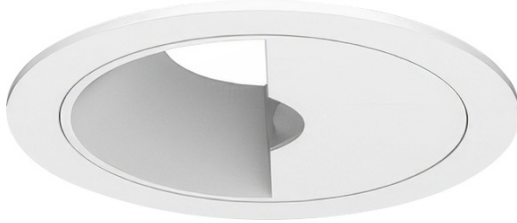




PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

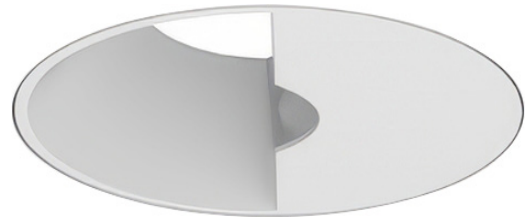
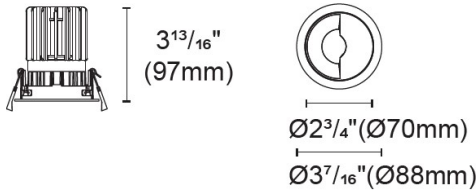
# **LUCA 2.7" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **LUCA 2.7 WALL WASH TRIM OPTIONS**

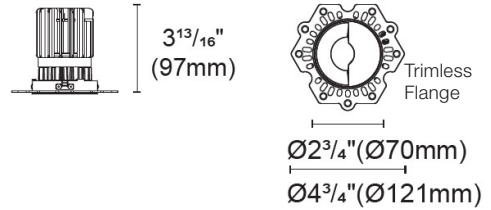
### **Wall Wash - Round**



**Round Trim**



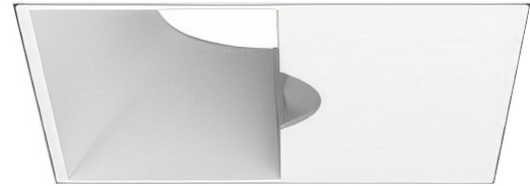
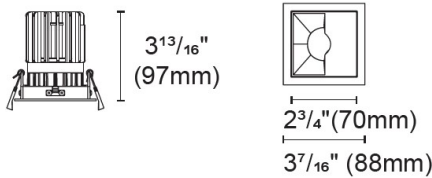
**Round Trimless**



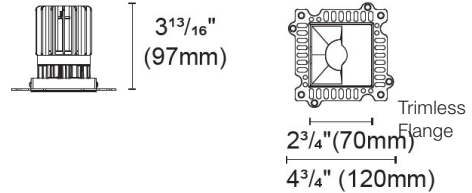
### **Wall Wash - Square**



**Square Trim**



**Square Trimless**



### **LUCA 2.7, 19W WALL WASH FOOT CANDLE DISTRIBUTION** (2 FEET FROM WALL, 2 FEET APART)

	1FT	2.5FT	3FT CENTER OF DOWNLIGHT	4FT	5FT CENTER OF DOWNLIGHT	5.5FT	7FT
0FT	2	3	4	3	4	3	2
0.5FT	5	13	16	13	16	13	5
1FT	7	18	22	20	22	18	6
1.5FT	10	22	28	26	28	22	10
2FT	12	26	30	30	30	26	12
3FT	15	26	30	32	30	26	15
4FT	15	24	28	30	29	24	15
5FT	14	21	24	26	25	21	14
6FT	12	17	20	22	20	17	12
7FT	11	14	16	17	16	14	11
8FT	9	12	14	14	14	12	9
9FT	7	10	11	11	11	10	7

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

# **LUCA 2.7" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **LUCA 2.7 TRIM & REFLECTOR OPTIONS**

### **ROUND**

#### **Black Trim**



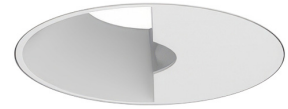
#### **White Trim**



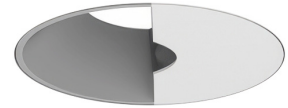
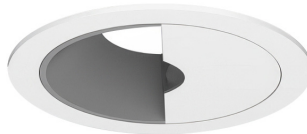
#### **Trimless**



**Black Reflector with Black Cover**



**White Reflector with White Cover**



**Haze Reflector with White Cover**

### **SQUARE**

#### **Black Trim**



#### **White Trim**



**Black Reflector with Black Cover**



**White Reflector with White Cover**

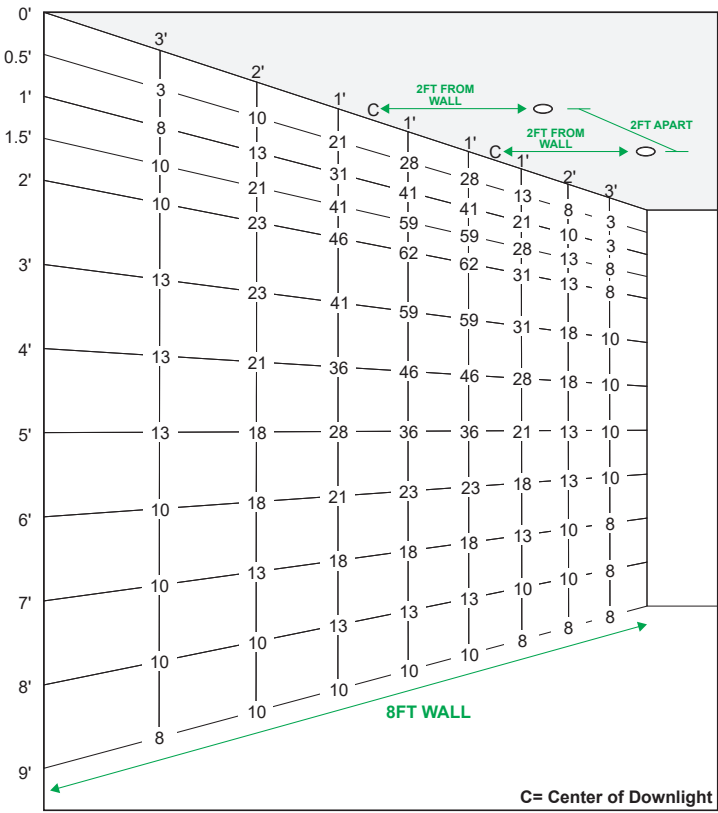
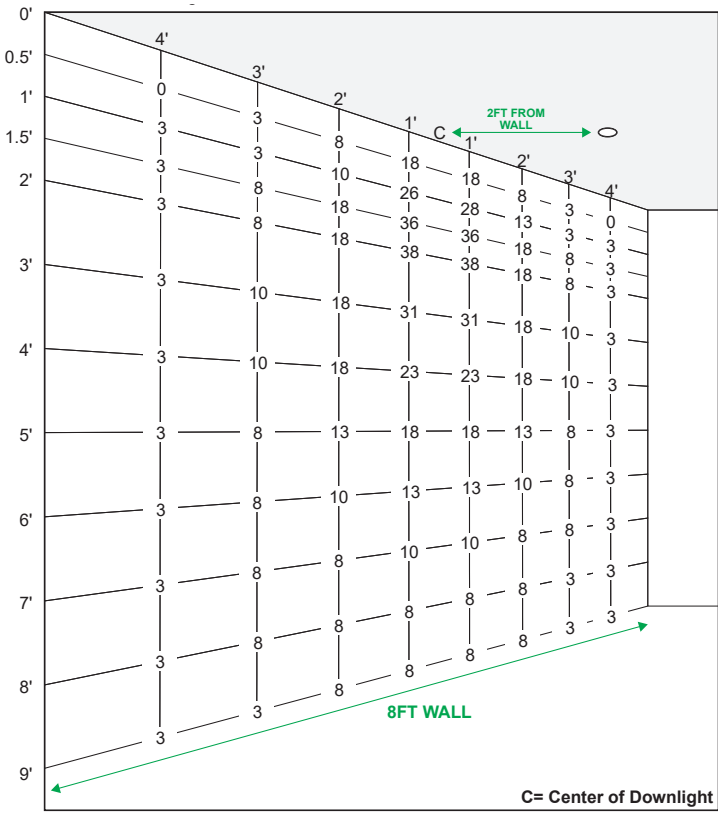


**Haze Reflector with White Cover**

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

# **LUCA 2.7" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **LUCA 2.7, 26W WALL WASH FOOT CANDLE DISTRIBUTION** (2 FEET FROM WALL, 2 FEET APART)



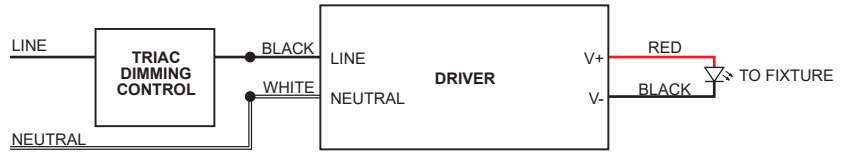
PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--



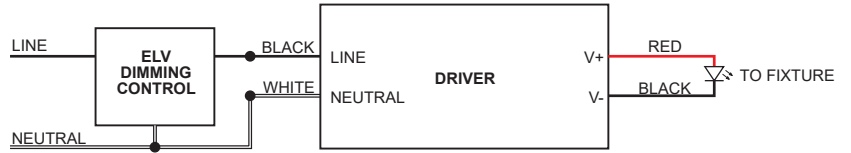
# **LUCA 2.7" WARM DIM** 120V-277V, RECESSED WALL WASH DOWNLIGHTS

## **WIRING DIAGRAMS**

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

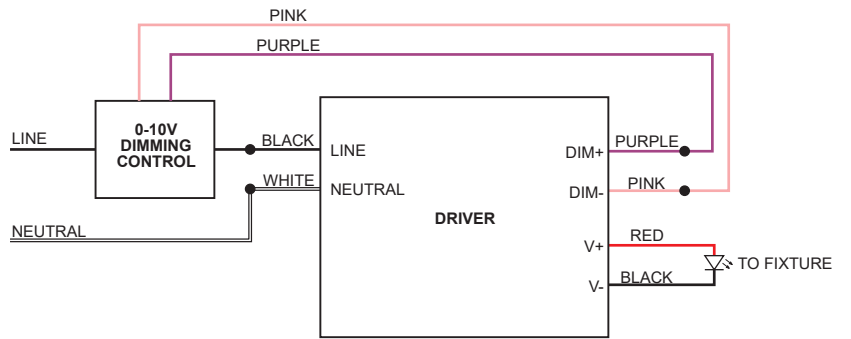


**ELV / REVERSE PHASE / TRAILING EDGE DIMMING (TRI)**  
 Input 120VAC 50/60Hz  
 Range 100% - 3%



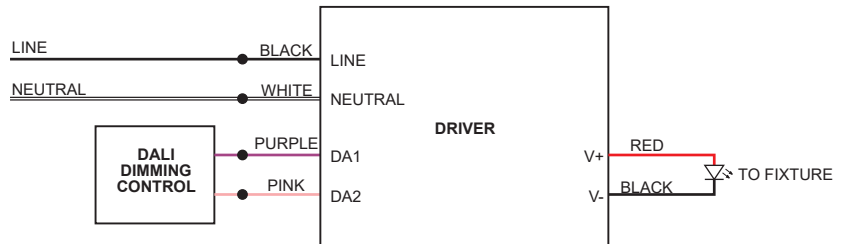
**0-10V DIMMING (010)**  
 Input 120VAC-277VAC 50/60Hz  
 Range 100% - 0.1% Dim to Off

**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	
---------	--	--------------	--	------	--

# LUCA 2.7" WARM DIM

120V-277V, RECESSED WALL WASH DOWNLIGHTS

## LUCA 2.7 DIMMING & CONTROLS FOR TRIAC/ELV ONLY



### 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

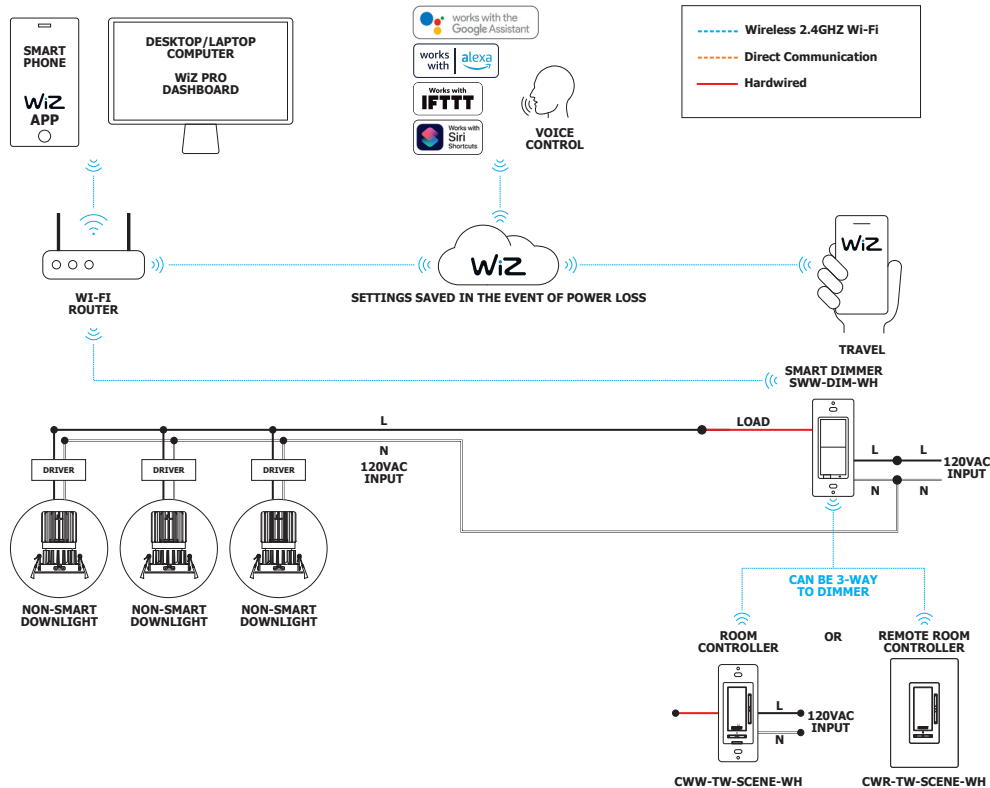
The Pure Smart™ Dimmer can be controlled via the WiZ app (works with iOS and Android) from anywhere. Voice control enabled when used in conjunction with Google Assistant, Siri, Alexa, IFTTT, and SmartThings. Grouping, zoning, and scheduling can all be programmed with the WiZ app or WiZ Pro Dashboard.

### 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
---------	--------------	------

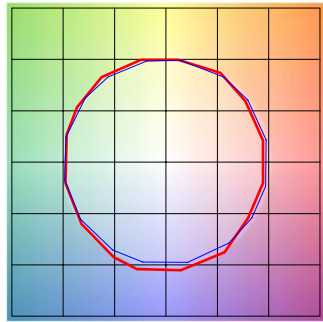


# TM30 DATA

## 120V-277V, RECESSED WALL WASH DOWNLIGHTS

**TM-30-15 DATA:** The data below is for bare LED Warm Dim Strip. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**3000D** | Rf: 90.6 | Rg: 101.1  
 Color Vector Graphic



■ Test    ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%