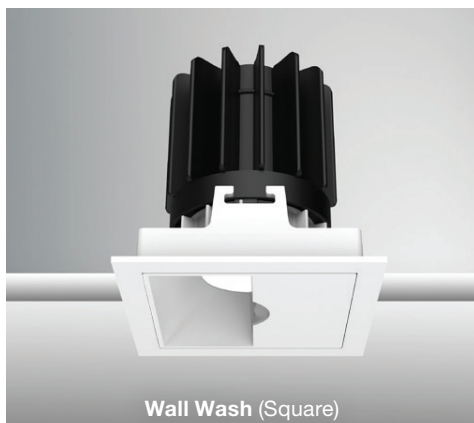


LUCA 3.5" TRUCOLOR™ RGBTW

24V CLASS 2, RECESSED WALL WASH DOWNLIGHT



Wall Wash (Square)



Wall Wash (Round)



Wall Wash (Round Trimless)

DESCRIPTION

Experience the radiance of Luca 3.5 Wall Wash, a cutting-edge, 24V Class 2 downlight that embodies its Latin namesake as the "Bringer of Light" 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. Our Luca downlights distinguish themselves with precision optics and exceptional color rendering with TruColor™ RGBTW.

WiZ Pro compatibility seamlessly integrates into the wireless control ecosystem. With the WiZ app, WIZ Pro Dashboard, and smart wall controls from Pure Smart, unlock the full potential of Luca's extensive light color palette. Elevate your lighting experience with superior output, energy efficiency, smart control, and exceptional color consistency.

The Luca 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 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, 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

Join us in creating a brighter and more sustainable world with Luca 3.5, the ultimate "Bringer of Light."

TRUCOLOR™ RGB & TUNABLE WHITE LIGHT ENGINE

Pure Smart **TruColor™** technology uses five channels of tunable LEDs, composed of **RGBTW** red, blue, green, and Tunable White (**1500K-6500K**). With our precision-engineered proprietary color mixing, we produce one of the widest, most accurate spectrums available, giving our customers access to the warm glow of the sunset (1500K-2400K golden hour) to the pure white light of the mid-day sun (5700K) and everything in between. **TruColor™** LED's achieve an average CRI-Color Rendering Index of 92+ and a Duv of +/-0.0020 in relation to the blackbody curve at any point on the spectrum of tunable white CCT. Dynamic Color Changing functionality provides millions of possibilities for intricate customization, rich saturated secondary colors, and unprecedented ease of installation, making **RGBTW** the ideal choice for residential and commercial applications. **TruColor™ RGBTW** adds more than just decorative flexibility; it also helps to support a healthy Circadian Rhythm and well-being. Let **TruColor™** transform your space and the people within it. **TruColor™ RGBTW** is optimized for control with WiZ Pro Wi-Fi based smart control system. "Experience the difference in white light with **TruColor™**". Transform both cherished and everyday items into vibrant masterpieces with PureEdge Lighting's unique ability to customize the colors within white light at specific correlated color temperatures (CCT). By adjusting the composition of white light, **TruColor™** enhances the vividness and lifelike quality of colors, enabling you to envision light that brilliantly accentuates objects, materials, and artwork.

SPECIFICATIONS

TRIM OPTIONS	With Trim, Trimless, Round, Square	
FINISH	Reflector: White, Black, Haze Satin Silver (low-glare) Trims: White, Black (Select finish options for Reflector and Trim separately)	
OPTICS	Field Adjustable - 20°, 30°, 45°, 55° With Soft Diffusing Film	
WATTAGE	14W	19W
LUMENS @ 3000K	954Lm	1214Lm
EFFICACY	68Lm/W	64Lm/W
CCT	16 Million Colors RGBTW, CCT 1500K-6500K	
AVERAGE CRI	92+, at any point on the black body curve from 2000K to 5500K	
INPUT VOLTAGE	24Volt, Class 2 wiring	
CONSTRUCTION	Housing: Galvanized Steel Trims and Reflectors: Die-Cast Aluminum	
DIMMING	Pure Smart™ Wi-Fi Controller Features ON/OFF buttons, CCT and brightness control as well as four preset/custom scenes programmable in the WIZ app. Communicates via 2.4GHz Wi-Fi. No Hub needed. Voice control with Goggle Assistant, Alexa, Siri, Shortcuts, and IFTTT	
POWER SUPPLY	24V Remote PSBR (Order Separately)	
CUT OUT SIZE	Round: Ø 4" Square: 4"	
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	

PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED WALL WASH DOWNLIGHT

Light Engine with Trim & 24VDC Low Voltage Smart Driver

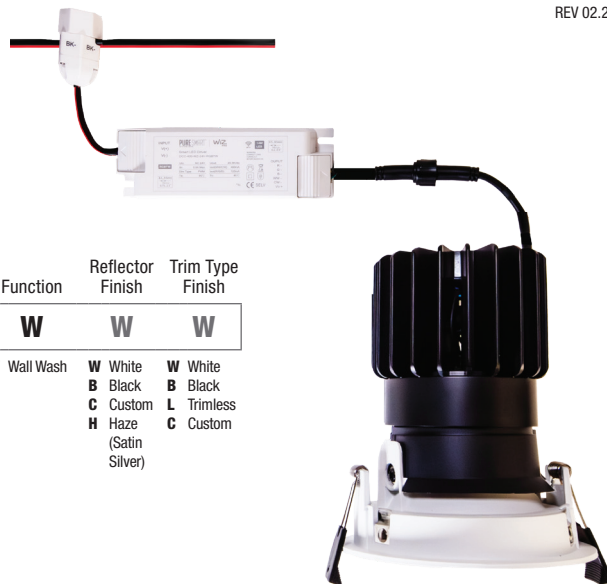
REV 02.28.24

REMODEL NON-IC (Included with Standard Ordering Code)

Luca 3.5 comes complete with a Pure Smart WiZ Connected Smart Driver. Requires 24VDC Class 2 Wiring with a remote power supply, up to 40 ft away. Order separately. 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	Wattage	Beam Spread	Control	Color Temperature	Shape	Function	Reflector Finish	Trim Type Finish
L35L	19W	WW	WZ	TC	R	W	W	W
L35L Luca 3.5 Light Engine Low Voltage 24V	14W 13.5 Watts 19W 18.5 Watts	WW Wall Wash Asymmetrical Beam Spread	WZ Pure Smart WiZ Connected 24V Input	TC TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K	R Round S Square	W Wall Wash	W White B Black C Custom H Haze (Satin Silver)	W White B Black L Trimless C Custom

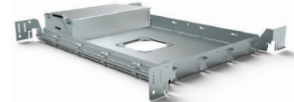
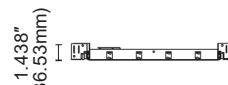
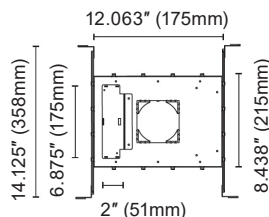
Refer to Power Supply Load Chart on Pg. 3



LUCA 3.5 Housings

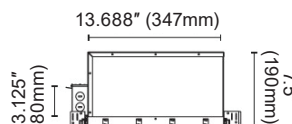
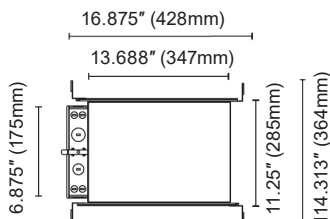
NEW CONSTRUCTION FRAME NON-IC

Product	Type
L35L	NCF NIC
L35L Luca 3.5 Downlight	NCF New Construction Frame NIC Non-Insulation Contact



NEW CONSTRUCTION HOUSING IC

Product	Type
L35L	NCH IC
L35L Luca 3.5 Downlight	NCH New Construction Housing IC Insulation Contact



NOMINAL DELIVERED LUMENS

WATTS PER FOOT	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	420	482	530	625	700	787	968	621	505	573	676	741	825	933	1070	1263	881	757
LUMENS PER WATT (lm/w)	49	52	54	57	60	65	68	70	68	49	52	54	57	60	65	68	70	68
CRI	85.3	88.9	90.7	92.7	95.7	98	96.3	94.2	92.3	85.3	88.9	90.7	92.7	95.7	98	96.3	94.2	92.3
Duv	-0.0016	-0.0027	-0.003	-0.0029	-0.0017	-0.0008	-0.0003	-0.0029	-0.0024	-0.0016	-0.0027	-0.003	-0.0029	-0.0017	-0.0008	-0.0003	-0.0029	-0.0024
Rf	86	89	91	93	95	95	94	92	91	86	89	91	93	95	95	94	92	91
Rg	103	105	106	105	103	102	100	105	106	103	105	106	105	103	102	100	105	106
R9	90	90	90	90	97	96	84	92	83	90	90	90	90	97	96	84	92	83
R13	80	85	87	90	94	98	98	97	97	80	85	87	90	94	98	98	97	97
R15	90	91	92	93	96	98	96	95	93	90	91	92	93	96	98	96	95	93
WATTS/FOOT	8.6	9.3	9.8	10.9	11.7	12.1	14.2	8.8	7.4	11.7	13	13.7	14.4	15.6	16.5	18.5	12.5	11.1

PROJECT	FIXTURE TYPE	DATE
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PSBR-96W-24VDC

24 VOLT DC, POWER SUPPLY FOR REMOTE BRIDGE BOX

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.28.24

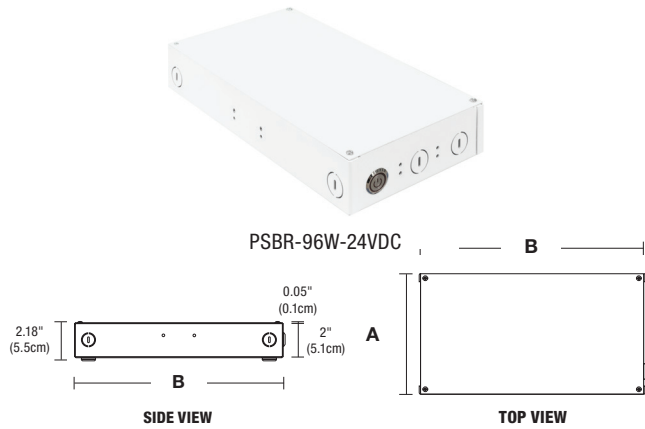
REQUIRED PARTS

14 Gauge Two Conductor Class 2 Power Wire
50 & 100ft per roll.

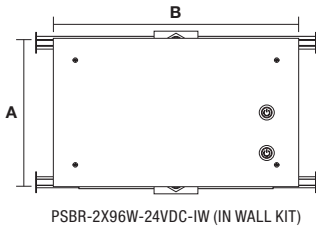
Product	Gauge	Class	Conductors	
WIR	14	CL2	BR	100FT
WIR Wire	14 14AWG (American Wire Gauge)	CL2 Class 2	BR Black & Red Conductors	50FT 50 foot roll 100FT 100 foot roll



POWER SUPPLY Class 2 Wiring 24VDC Output



STANDARD & T-BAR DIMENSIONS		
CONFIGURATION	A	B
PSBR-96W-24VDC	3.12"	12.4"
PSBR-2X96W-24VDC	6.48"	12.15"
PSBR-3X96W-24VDC	10"	14"



IN-WALL DIMENSIONS		
CONFIGURATION	A	B
PSBR-60W-24VDC-IW	3.12"	12.4"
PSBR-96W-24VDC-IW	5.1"	14.25"
PSBR-2X96W-24VDC-IW	8.5"	14.25"

DESCRIPTION

Pure Smart™ PSBR Power Supply for Remote Bridgebox accepts an input voltage of 120-277VAC and outputs 24VDC power up to 3X96 watts. The enclosure provides a space for electrical connections and features an external push button for cycling power and placing smart fixture and Bridgebox into pairing mode. In Wall Power Supply Kit includes Power Supply, Box Cover, and stud hangers for installing Junction Box in-wall. Indoor applications only. Keep power supply with in 70ft of fixtures to avoid voltage drop.

APPLICATIONS

Indoor - To avoid overheating the power supply, install it in a ventilated remote location with sufficient air flow. Maintain proper spacing between power supplies when multiple power supplies are installed in the same location.

MOUNTING

Surface mounted with conduit access

POWER INPUT

120-277VAC

POWER OUTPUT

Class 2; 24 volts DC 4A, up to 3x96 watts maximum

EXTERNAL PUSH BUTTON

Easily accessible external push button allows for power cycling which triggers pairing mode to the connected smart device.

EFFICIENCY

90%

AMBIENT OPERATING TEMPERATURE

-25° C to 90° C

COMPLIANCE

Made in the USA, UL, CE,

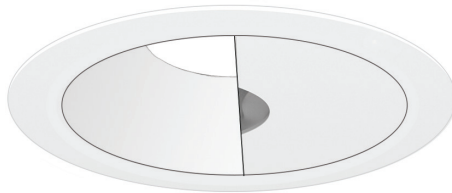
Product	Wattage	Voltage	Options
PSBR	96W	24VDC	STANDARD (Leave Blank)
PSBR Power Supply for Remote Bridgebox	60W 60 Watts 96W 96 Watts 2X96W 2 x 96 Watts 3X96W 3 x 96 Watts	24VDC 24 Volt DC	TB T-Bar Grid Ceiling IW* In-Wall Kit CP Chicago Plenum *Only 96W & 2x96W

PSBR-96W-24VDC (Load Calculations)		
L3.5 Fixture Wattage	Max Quantity	Max Wattage
14	6	84
17	3	72

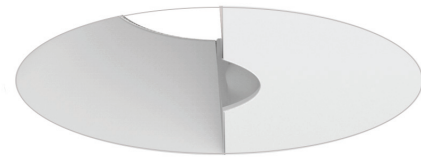
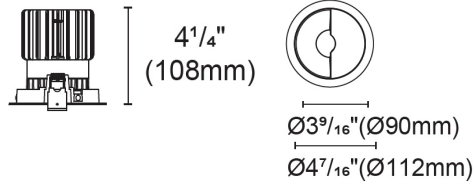
PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED WALL WASH DOWNLIGHT

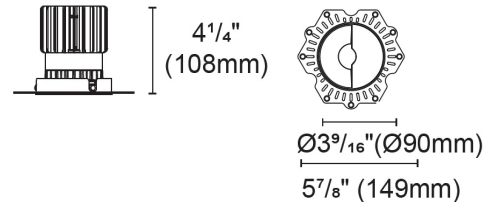
Wall Wash - Round



Round Trim



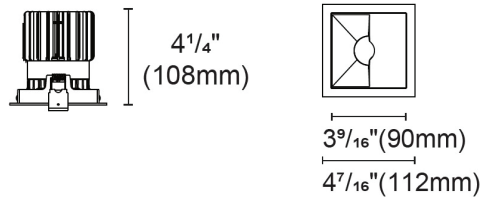
Round Trimless



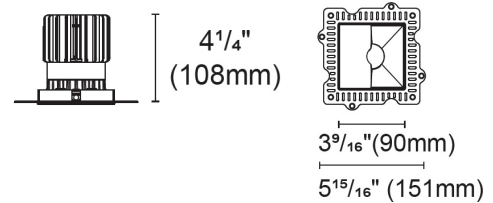
Wall Wash - Square



Square Trim



Square Trimless



LUCA 3.5, 19W WALL WASH FOOT CANDLE DISTRIBUTION WITH 8FT CEILING

	1FT	2FT	3FT	4FT	5FT	6FT	7FT
0FT	6	6	6	6	6	6	6
0.5FT	17	18	17	18	17	18	17
1FT	26	27	26	27	26	27	26
1.5FT	30	29	30	29	30	29	30
2FT	31	30	31	30	31	30	31
3FT	31	29	31	29	31	29	31
4FT	27	26	27	26	27	26	27
5FT	23	22	23	22	23	22	23
6FT	18	18	18	18	18	18	18
7FT	15	15	15	15	15	15	15
8FT	12	12	12	12	12	12	12
9FT	9	9	9	9	9	9	9

PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5 TRIM & REFLECTOR OPTIONS

REV 02.28.24

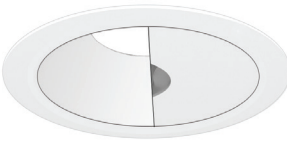
ROUND TRIM

Black Trim

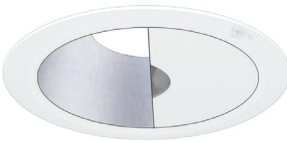
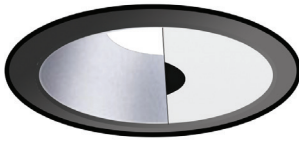
White Trim



Black Reflector



White Reflector



Haze Reflector

SQUARE TRIM

Black Trim

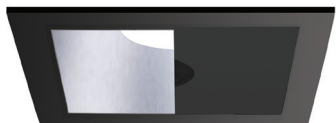
White Trim



Black Reflector



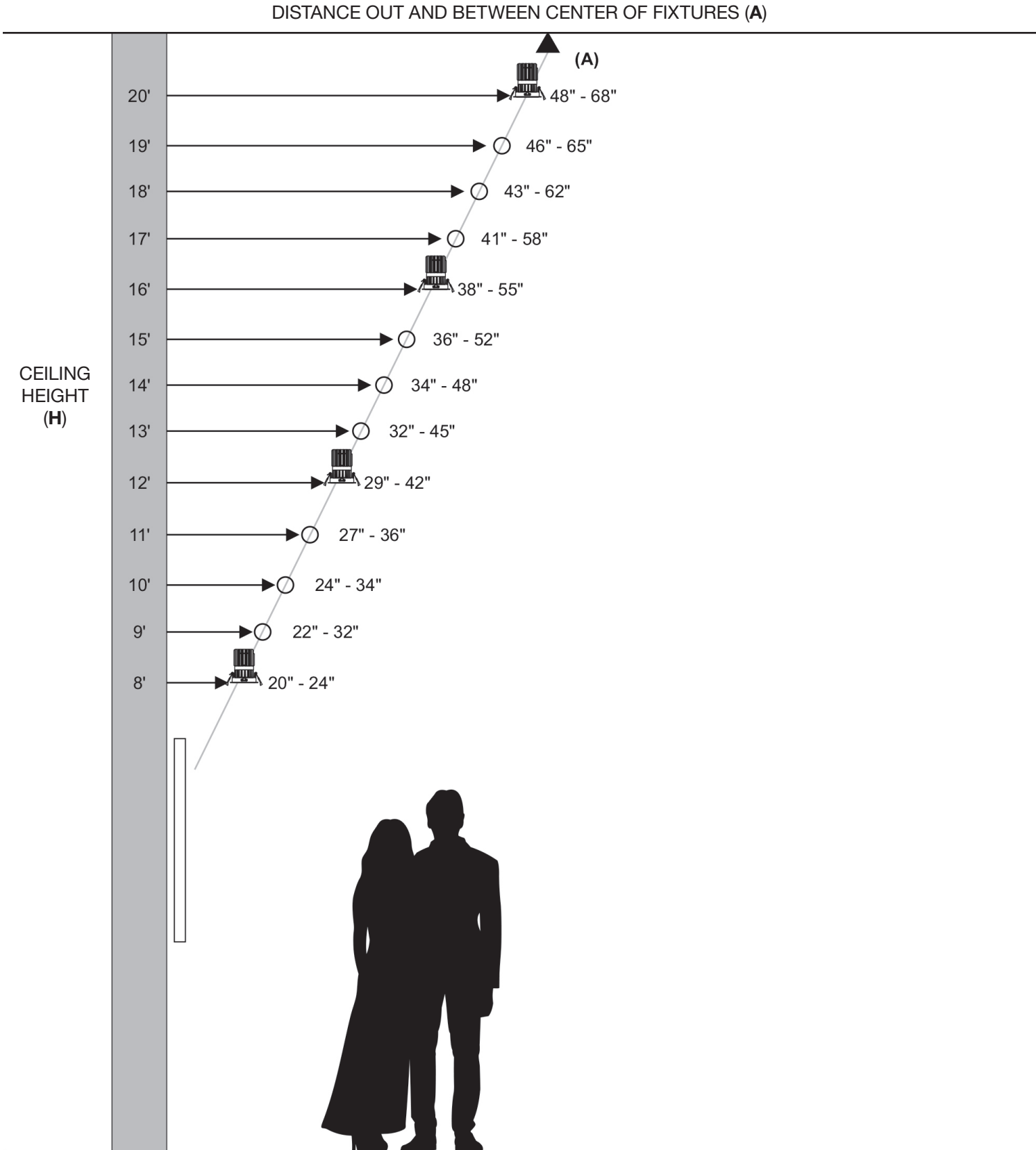
White Reflector



Haze Reflector

PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED WALL WASH DOWNLIGHT



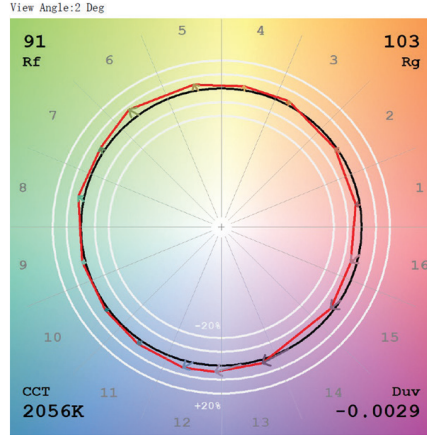
PROJECT		FIXTURE TYPE		DATE	
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TRUCOLOR™ RGB & TUNABLE WHITE

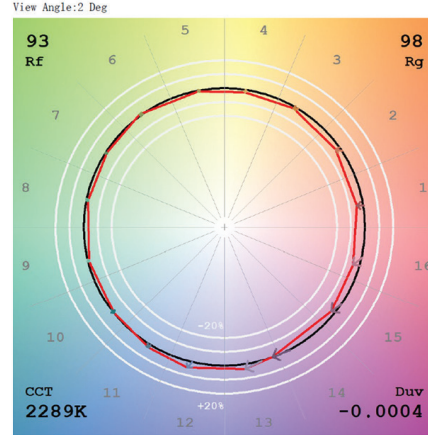
24V CLASS 2, RECESSED WALL WASH DOWNLIGHT

TM-30-15 DATA: The data below is for TruColor™ RGBTW (S5W7) bare LED Strips. 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.

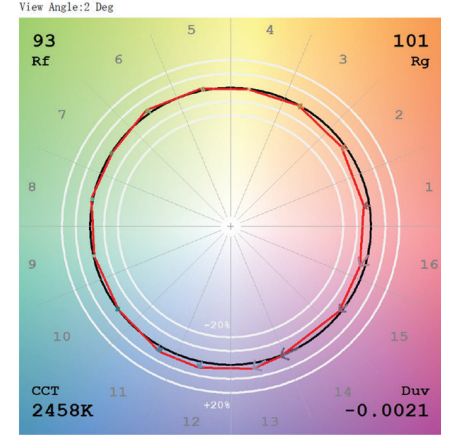
2000K (TruColor™ RGBTW)



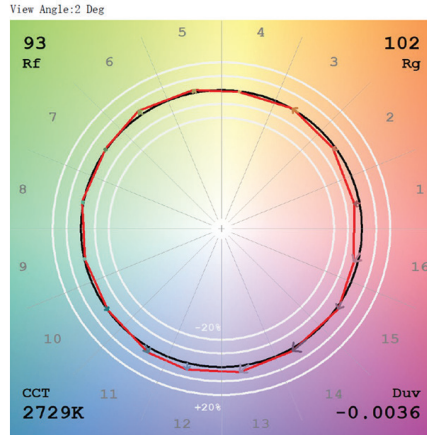
2200K (TruColor™ RGBTW)



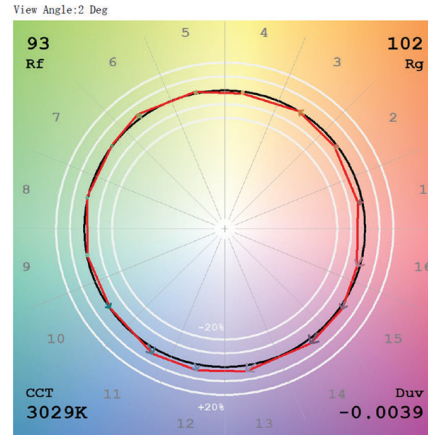
2400K (TruColor™ RGBTW)



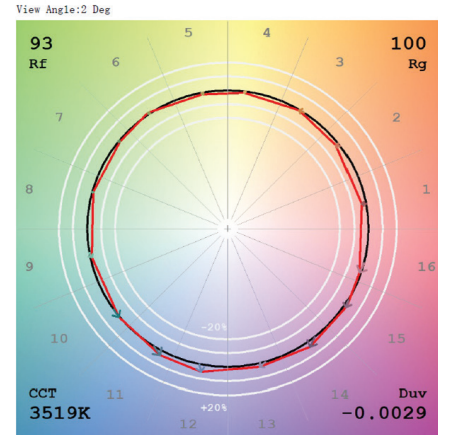
2700K (TruColor™ RGBTW)



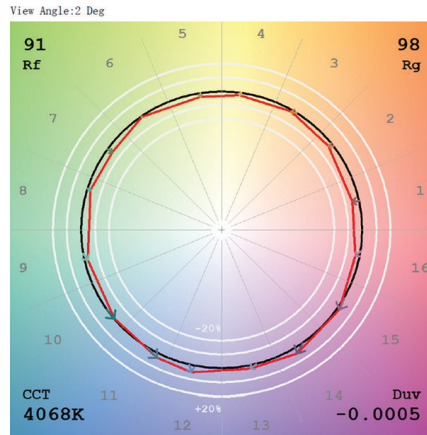
3000K (TruColor™ RGBTW)



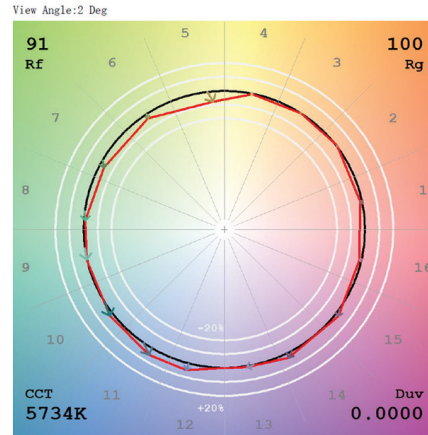
3500K (TruColor™ RGBTW)



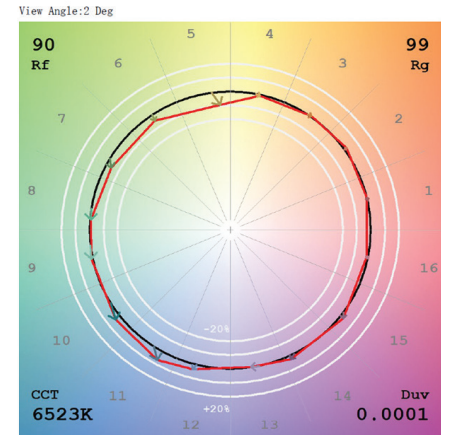
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	
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