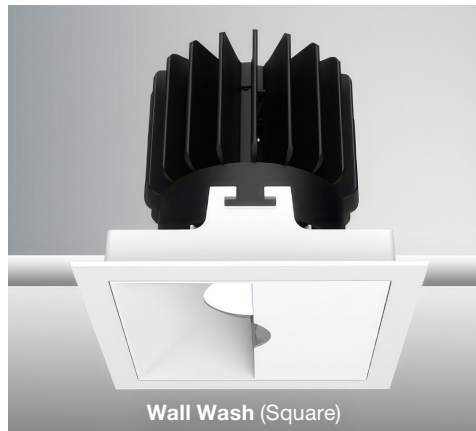


LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW

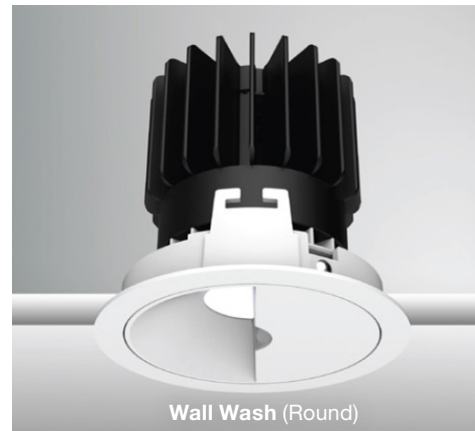
48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS



Wall Wash (Square)



Wall Wash (Round Trimless)



Wall Wash (Round)

DESCRIPTION

Experience the radiance of Luca 3.5 Wall Wash, a cutting-edge 48V 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.

Our Luca 3.5 TruColor™ used with the PureEdge Unity 2 seamlessly integrates into all major Home Lighting Systems. Unlock the full potential of Luca's extensive 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

DMX 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. "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) Trim: White, Black)	
BEAM ANGLE	Asymmetrical	
WATTAGE (NOMINAL)	14W	19W
LUMENS @ 3000K, 30 Degrees	511Lm	681Lm
EFFICACY	44Lm/W	44Lm/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	48 Volt, Class 2 wiring	
CONSTRUCTION	Housing: Galvanized Steel Trims Reflectors: Die-Cast Aluminum	

CONTROLS	Keypads from: Lutron, Crestron, Vantage, Elan, Savant, Control 4, RTI, URC, Bit Wise, and Compass Control
SYSTEM	Gateway Unity 2
DIMMING RANGE	Dimmable from 100% - 0.1%
POWER SUPPLY	48 Volt Power Supply
CUT OUT SIZE	Round: Ø 4" Square: 4"
CEILING THICKNESS	0.5" - 1"
ENVIRONMENT	Suitable for damp locations
CERTIFICATIONS	ETL Listed, Class 2, Meets Title 24 (JA8) requirements
AVERAGE LIFE	50,000 Hours
WARRANTY	5 Years* *See published warranty terms for detailed information

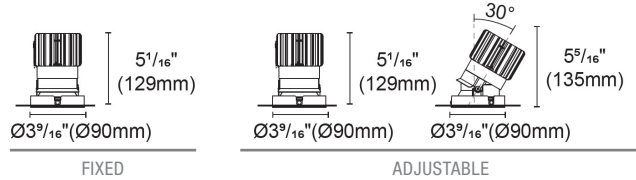
PROJECT	FIXTURE TYPE	DATE
---------	--------------	------

LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW 48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS

Light Engine with Trim & 48VDC Low Voltage DMX Decoder

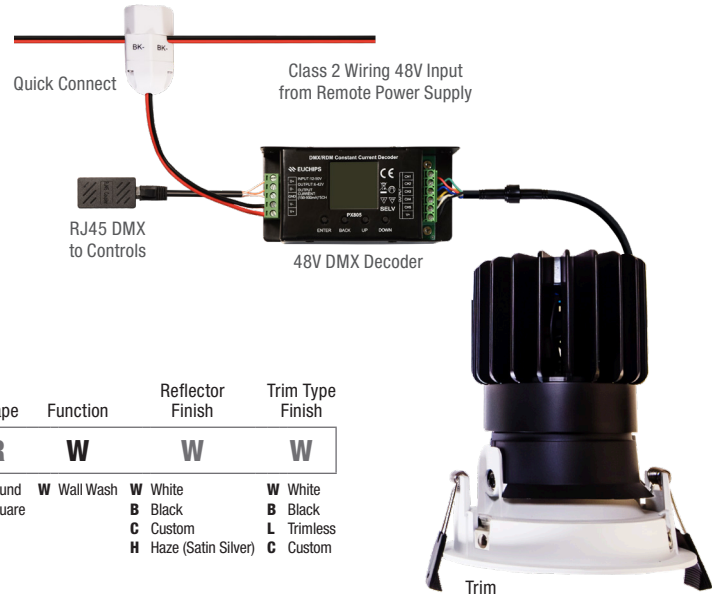
REMODEL NON-IC (Included with Standard Ordering Code)

Luca 3.5 comes complete with a DMX connected driver which requires 48VDC 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	DMX	TC	R	W	W	W
L35L Luca 3.5 Light Engine 24V Low Voltage Input	14W 13.5 Watts 19W 18.5 Watts	WW Wall Wash Asymmetrical Beam Spread	DMX DMX/ Home Integration	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

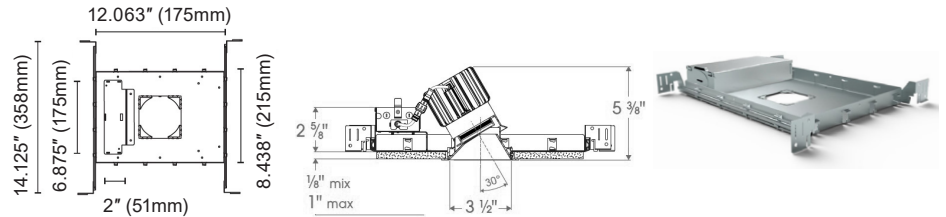
Refer to Power Supply Load Chart on Pg. 3



LUCA 3.5 Housings

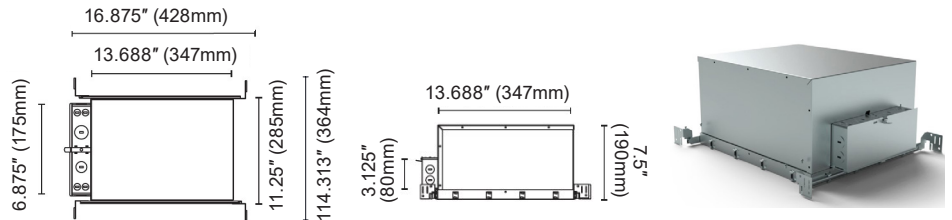
NEW CONSTRUCTION FRAME NON-IC

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



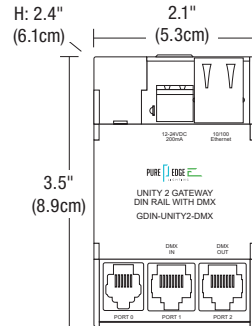
NOMINAL DELIVERED LUMENS

	30 DEGREE																	
WATTS	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	307	352	387	456	511	574	707	453	369	419	493	541	602	681	781	922	643	552
LUMENS PER WATT (lm/w)	36	38	39	42	44	47	50	51	50	36	38	39	42	44	47	50	51	50
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	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
---------	--------------	------

LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW 48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS

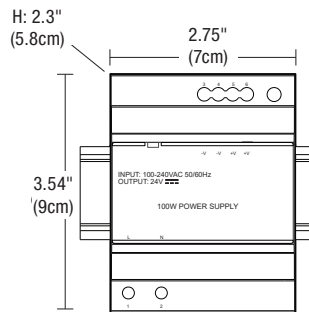
REQUIRED COMPONENTS



UNITY 2 DMX GATEWAY

The Unity 2 DMX Gateway Intelligent IP Interface offers versatile control over an extensive range of lighting and motor control devices through wired or optional wireless Ethernet connection. This Unified Solution is a versatile platform that can handle diverse lighting and motor control needs with a single unit, reducing the need for multiple controllers. Designed for plug-and-play operation, the Gateway simplifies the setup process and typically requires just one unit for most applications..

Product	Control	System
GDIN	UNITY2	DMX
GDIN Gateway DIN Rail	UNITY2 UNITY2	DMX DMX



DIN RAIL POWER SUPPLY

The HDR-100-48 is a compact 100W DIN Rail power supply. It's adapted to be installed on TS-35/7.5 or TS-35/15 mounting rails. Adopting the full voltage range of 85VAC-264VAC (operational 277VAC condition). The HDR-100-48 is designed with an insulated housing protecting from electrical shock hazards. Can be remote located up to 100' away using WR 14 CL2 BR.

Product	Wattage	Voltage
HDR	100	48
HDR Din Rail Power Supply	100 100 Watts, 2 Amp Max	48 48 Volts DC



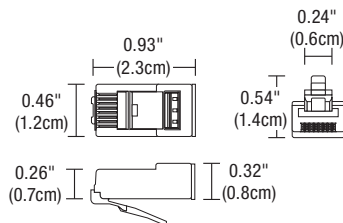
14 GAUGE TWO CONDUCTOR CLASS 2 POWER WIRE 50 & 100ft per roll.

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

HDR-100-48 Load Calculations

Fixture Wattage	Max Quantity	Wattage
14	6	84
19	5	95

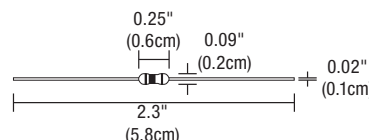
OPTIONAL COMPONENTS



TERMINATOR RESISTOR FOR RJ45 CONNECTION

120ohmΩ resistor with RJ45 connection. Used to terminate the last device in the DMX chain. **NOT FOR USE WITH DALI.**

Product	System
RJ45T	DMX
RJ45T RJ45 Terminator Resistor	DMX DMX



TERMINATOR RESISTOR WITH LEADS

120ohmΩ resistor with traditional hardwired leads. Used to terminate the last device in the DMX chain. **NOT FOR USE WITH DALI.**

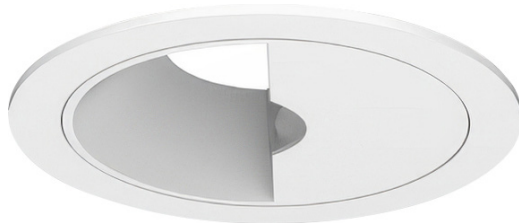
Product	System
RT	DMX
RT Resistor Terminator	DMX DMX

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

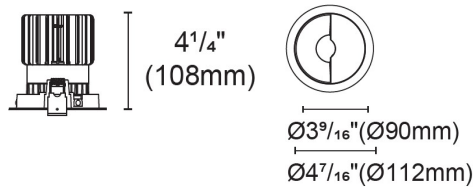
LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW 48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS

LUCA 3.5 TRIM OPTIONS

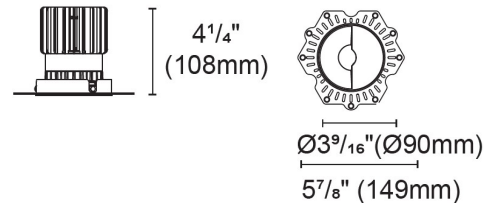
Wall Wash - Round



Round Trim



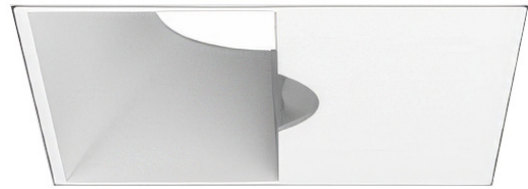
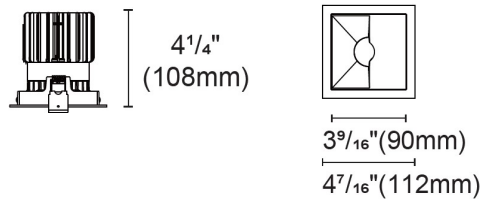
Round Trimless



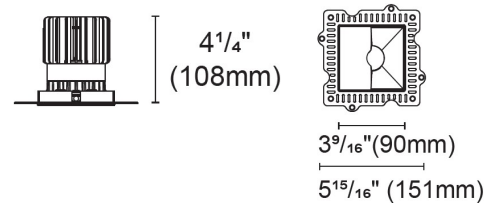
Wall Wash - Square



Square Trim



Square Trimless



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

LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW 48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS

LUCA 3.5 TRIM & REFLECTOR OPTIONS

ROUND

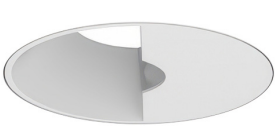
Black Trim

White Trim

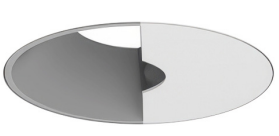
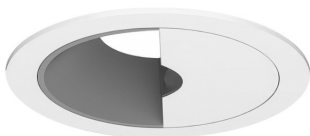
Trimless



Black Reflector with Black Cover



White Reflector with White Cover



Haze Reflector with White Cover

SQUARE

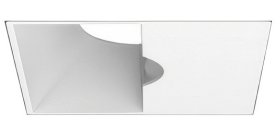
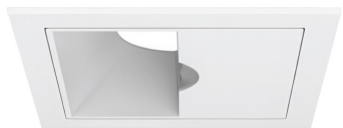
Black Trim

White Trim

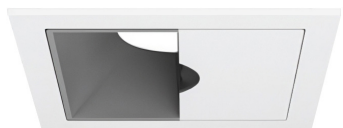
Trimless



Black Reflector with Black Cover



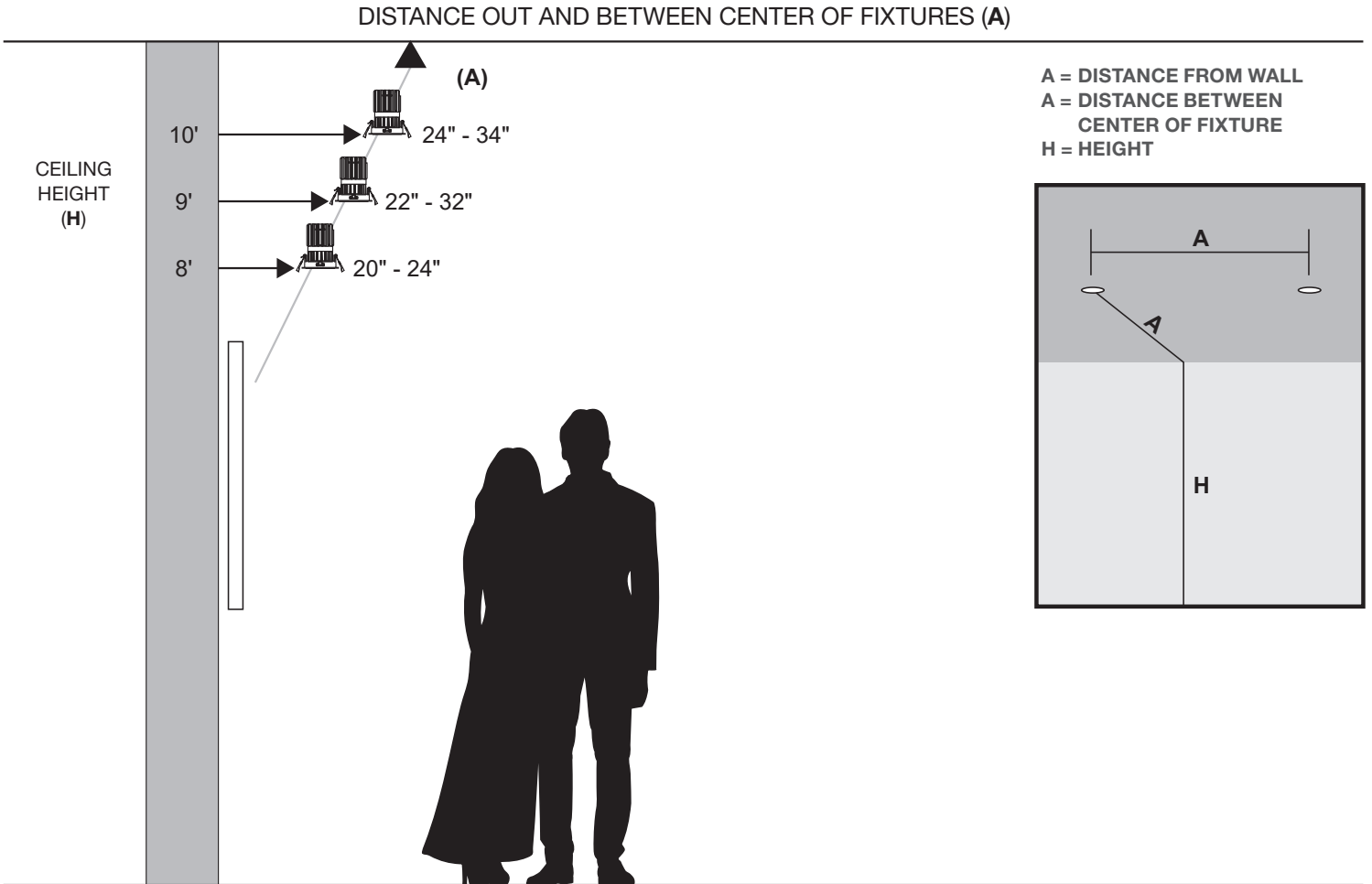
White Reflector with White Cover



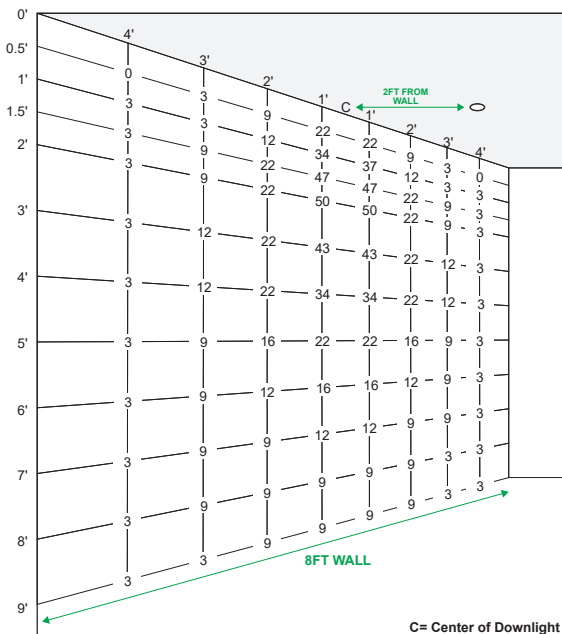
Haze Reflector with White Cover

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

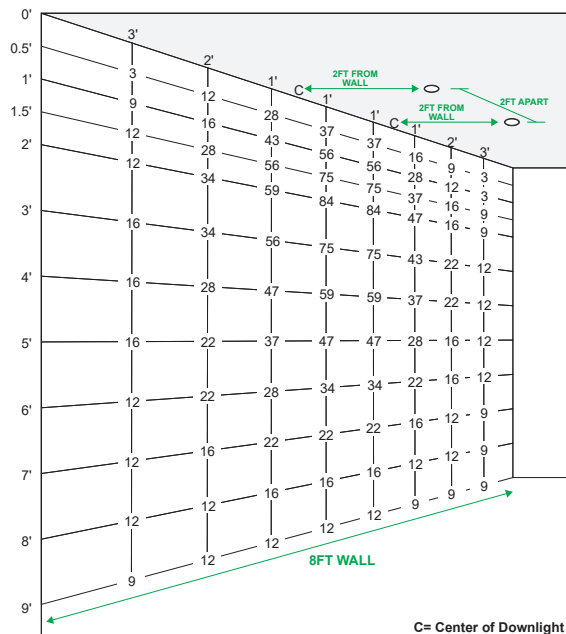
LUCA 3.5" DMX/DALI TRUCOLOR™ RGBTW 48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS



SINGLE LUCA 3.5 WALL WASH FOOT CANDLE DISTRIBUTION



TWO LUCA 3.5 WALL WASH FOOT CANDLE DISTRIBUTION



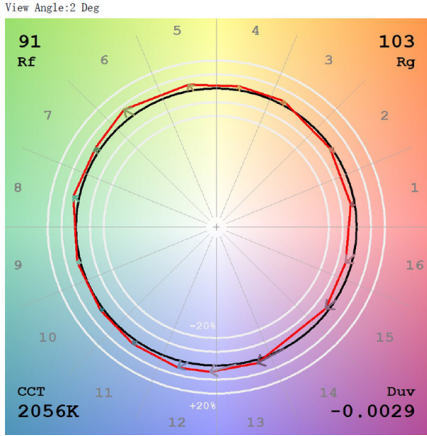
PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

TRUCOLOR™ RGB & TUNABLE WHITE

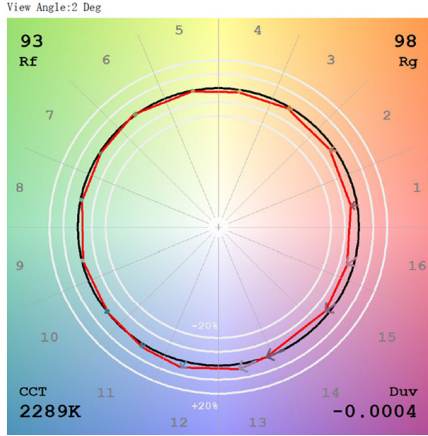
48V CLASS 2, RECESSED WALL WASH DOWNLIGHTS

TM-30-15 DATA: The data below is for TruColor™ RGBTW. 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.

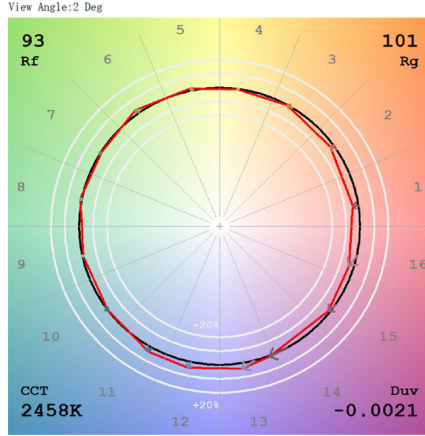
2000K (TruColor™ RGBTW)



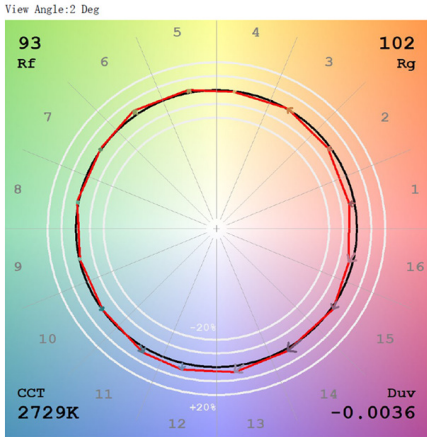
2200K (TruColor™ RGBTW)



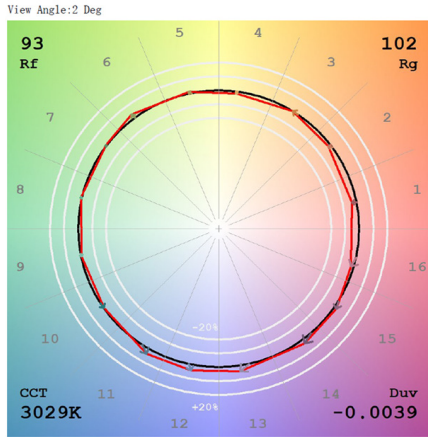
2400K (TruColor™ RGBTW)



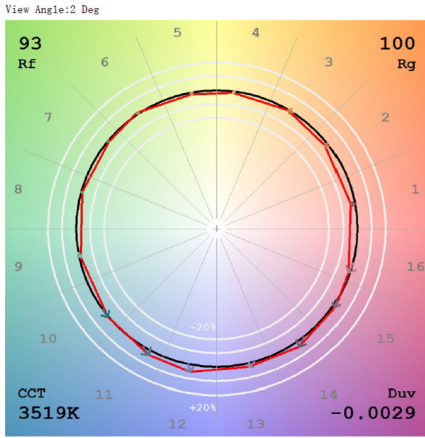
2700K (TruColor™ RGBTW)



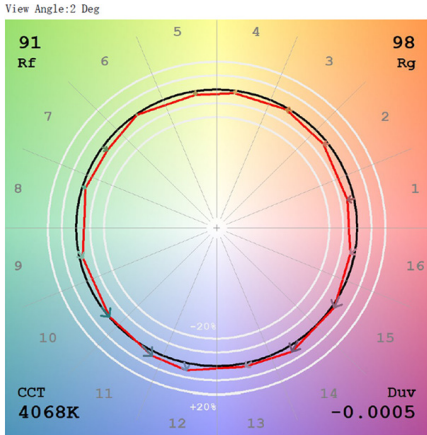
3000K (TruColor™ RGBTW)



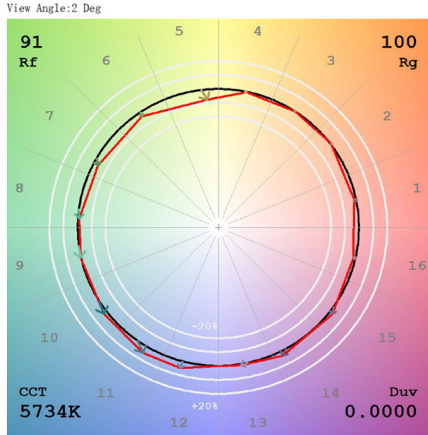
3500K (TruColor™ RGBTW)



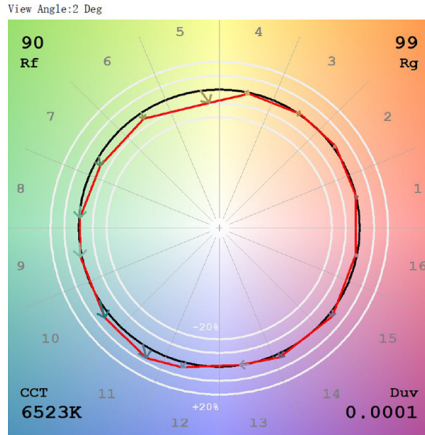
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



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