



DESCRIPTION

Introducing Luca "The Bringer of Light" Downlight Series in multiples, 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, voice control, and smart wall controls from Pure Smart, 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 with the Luca 3.5 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

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	One, Two, & Three module light engine configurations offered in Round Trim or Trimless, & Fixed, Adjustable, Wall Wash		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
FINISH	Reflector: White, Black, Haze Silver (low-glare), Custom Trims: White, Black, Custom			WIZ INTEGRATION
ADJUSTABLE	30 Degrees Tilt, 360 Rotation		POWER SUPPLY	
BEAM ANGLE	10°, 15°, 20°, 35°, 45°, 55°			CUT OUT SIZE
WATTAGE	14W	19W	ENVIRONMENT	
LUMENS @ 3000K, 40 Degrees	700Lm	933Lm		CEILING THICKNESS
EFFICACY	60Lm/W	60Lm/W	ENVIRONMENT	
CCT	16 Million Colors RGBTW, CCT 1500K-6500K			CERTIFICATIONS
AVERAGE CRI	92+		AVERAGE LIFE	
INPUT VOLTAGE	120V ELV/TRIAC, 120V-277V & 0-10V & DALI			WARRANTY*
CONSTRUCTION	Housing: Galvanized Steel Trims and Reflectors: Die-Cast Aluminum			
ACCESSORIES	Clear Glass & Soft Diffusing Film (Included) Linear Spread Glass Lens, Wide Diffuse Glass Lens, Double Asymmetric Glass Lens, or Hexcell Louver			

PROJECT	FIXTURE TYPE	DATE
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LUCA 3.5" TRUCOLOR™ RGBTW MULTIPLES

24V CLASS 2, RECESSED FIXED, ADJUSTABLE & WALL WASH DOWNLIGHTS

NOMINAL LAMP DATA

LUCA 3.5 STATIC WHITE - MODULAR 1 LIGHT ENGINE																		
WATTS	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	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	89	91	93	96	98	96	94	92	85	89	91	93	96	98	96	94	92

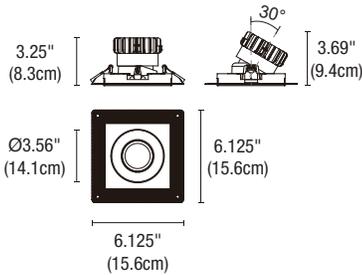
LUCA 3.5 STATIC WHITE - MODULAR 2 LIGHT ENGINES																		
WATTS	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	840	964	1060	1250	1400	1574	1936	1242	1010	1146	1352	1482	1650	1866	2140	2526	1762	1514
LUMENS PER WATT (lm/w)	98	104	108	114	120	130	136	140	136	98	104	108	114	120	130	136	140	136
CRI	85	89	91	93	96	98	96	94	92	85	89	91	93	96	98	96	94	92

LUCA 3.5 STATIC WHITE - MODULAR 3 LIGHT ENGINES																		
WATTS	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	1260	1446	1590	1875	2100	2361	2904	1863	1515	1719	2028	2223	2475	2799	3210	3789	2643	2271
LUMENS PER WATT (lm/w)	147	156	162	171	180	195	204	210	204	147	156	162	171	180	195	204	210	204
CRI	85	89	91	93	96	98	96	94	92	85	89	91	93	96	98	96	94	92

MULTIPLES LIGHT ENGINE QUANTITIES



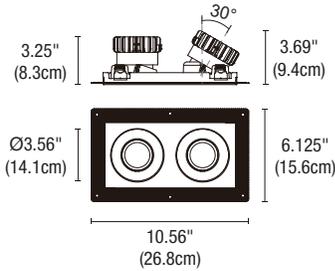
M1DWL



CUT OUT SIZE: 4.75" X 4.75" (12.07 X 12.07cm)



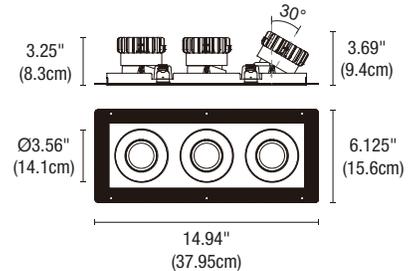
M2DDWL



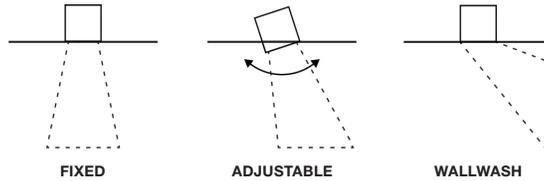
CUT OUT SIZE: 4.75" X 9.13" (12.07 X 23.19cm)



M3DDDWL



CUT OUT SIZE: 4.75" X 13.5" (12.07 X 34.29cm)



#1 SELECT - LIGHT ENGINE MODULE QUANTITY, ROUND TRIM FUNCTION AND REFLECTOR

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

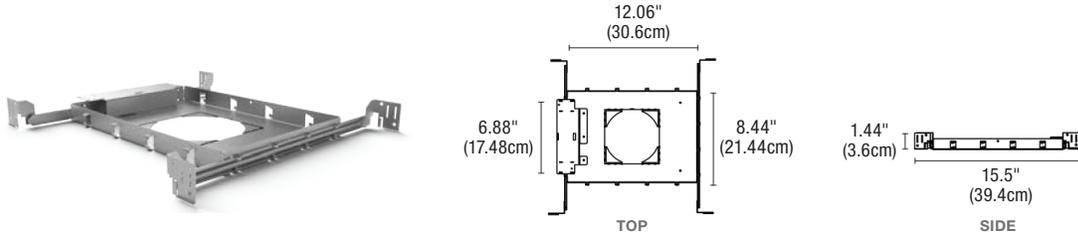
System	Wattage	Beam Spread	Wattage	Color Temperature	Multiples Light Engine Quantities	Module 1	Module 2	Module 3	Reflector Finish	Trim Type Finish	Trim Type
L35L	14W 14 Watts 19W 19 Watts	NF	WZ	TC	M3	D	D	D	W	W	L
L35L Luca 3.5 Light Engine 24V Low Voltage Input		SP Spot 20° NF Narrow Flood 30° FL Flood 45° WF Wide Flood 55°	WZ Pure Smart WIZ 24V Input	TC TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K	M1 Modular 1 Light Engine M2 Modular 2 Light Engines M3 Modular 3 Light Engines	D Downlight A Adjustable P* Pinhole/ Adjustable	D Downlight A Adjustable P* Pinhole/ Adjustable	D Downlight A Adjustable P* Pinhole/ Adjustable	W White H Haze B Black C Custom	W White B Black L Trimless C Custom	L Trimless Leave Blank for Trim
		*16 Watt Only				W Wall Wash G** Gravity	W Wall Wash G** Gravity	W Wall Wash G** Gravity			
						*Only available with black reflector and trimless or white trim, not available for Wall Wash					
						**Only available with black or white reflector					

PROJECT		FIXTURE TYPE		DATE	
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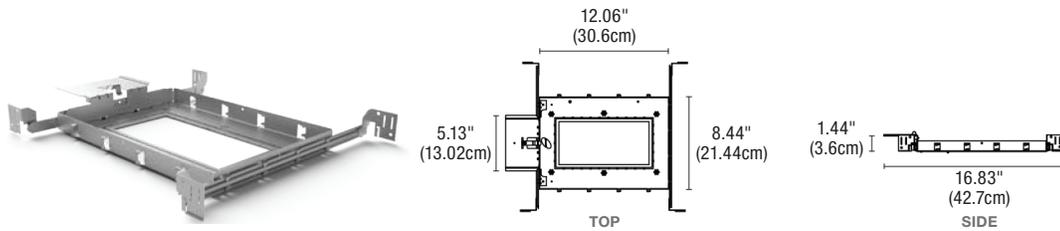
LUCA 3.5" TRUCOLOR™ RGBTW MULTIPLES

24V CLASS 2, RECESSED FIXED, ADJUSTABLE & WALL WASH DOWNLIGHTS

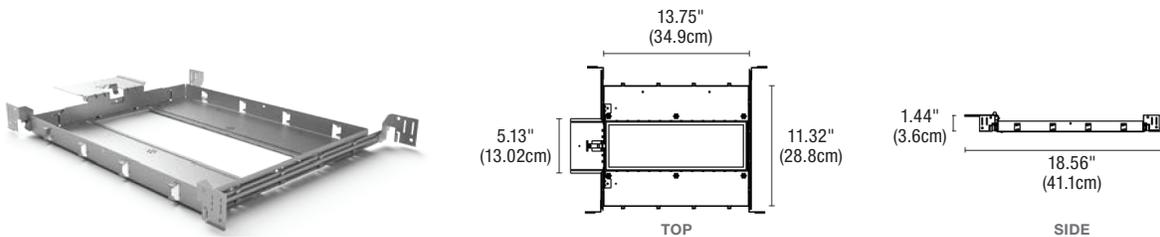
MULTIPLES NEW CONSTRUCTION FRAME AND DRIVER NON-IC



Product	Housing Type, Multiples Light Engine Quantities	Rating Type
L35L	M1-NCF	NIC
L35L Luca 3.5 Downlight	M1-NCF New Construction Frame for 1 Light Engine	NIC Non-Insulation Contact



Product	Housing Type, Multiples Light Engine Quantities	Rating Type
L35L	M2-NCF	NIC
L35L Luca 3.5 Downlight	M2-NCF New Construction Frame for 2 Light Engines	NIC Non-Insulation Contact



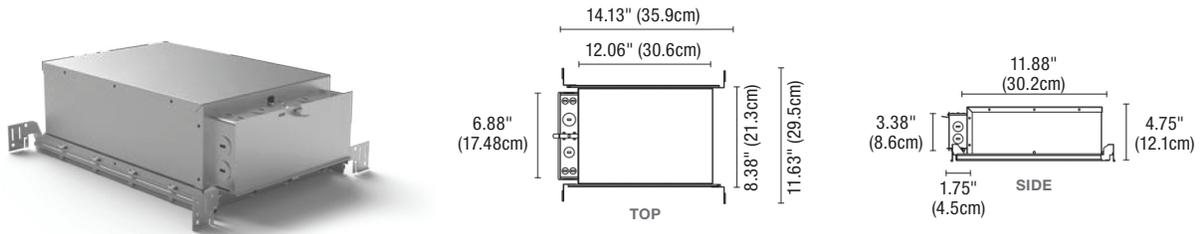
Product	Housing Type, Multiples Light Engine Quantities	Rating Type
L35L	M3-NCF	NIC
L35L Luca 3.5 Downlight	M3-NCF New Construction Frame for 3 Light Engines	NIC Non-Insulation Contact

PROJECT		FIXTURE TYPE		DATE	
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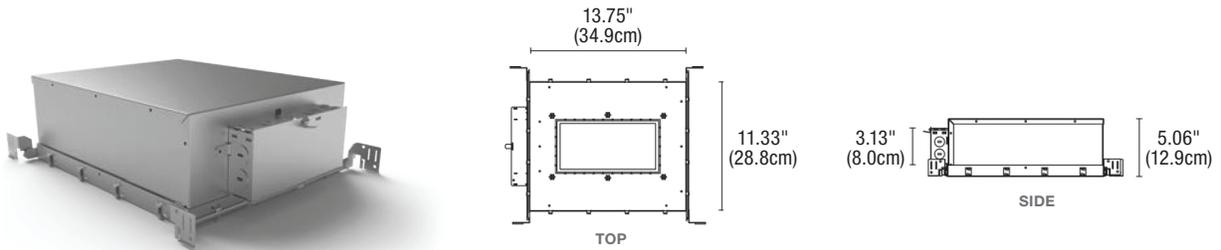
LUCA 3.5" TRUCOLOR™ RGBTW MULTIPLES

24V CLASS 2, RECESSED FIXED, ADJUSTABLE & WALL WASH DOWNLIGHTS

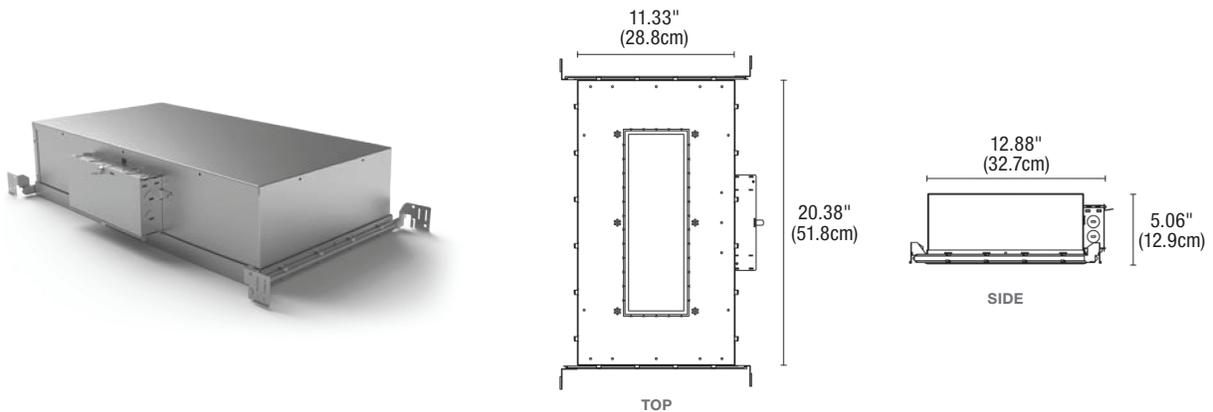
MULTIPLES NEW CONSTRUCTION HOUSING AND DRIVER IC



Product	Housing Type	Rating Type
L35L	M1-NCH	IC
L35L Luca 3.5 Downlight	M1-NCH New Construction Housing for 1 Light Engine	IC Insulation Contact



Product	Housing Type	Rating Type
L35L	M2-NCH	IC
L35L Luca 3.5 Downlight	M2-NCH New Construction Housing for 2 Light Engines	IC Insulation Contact



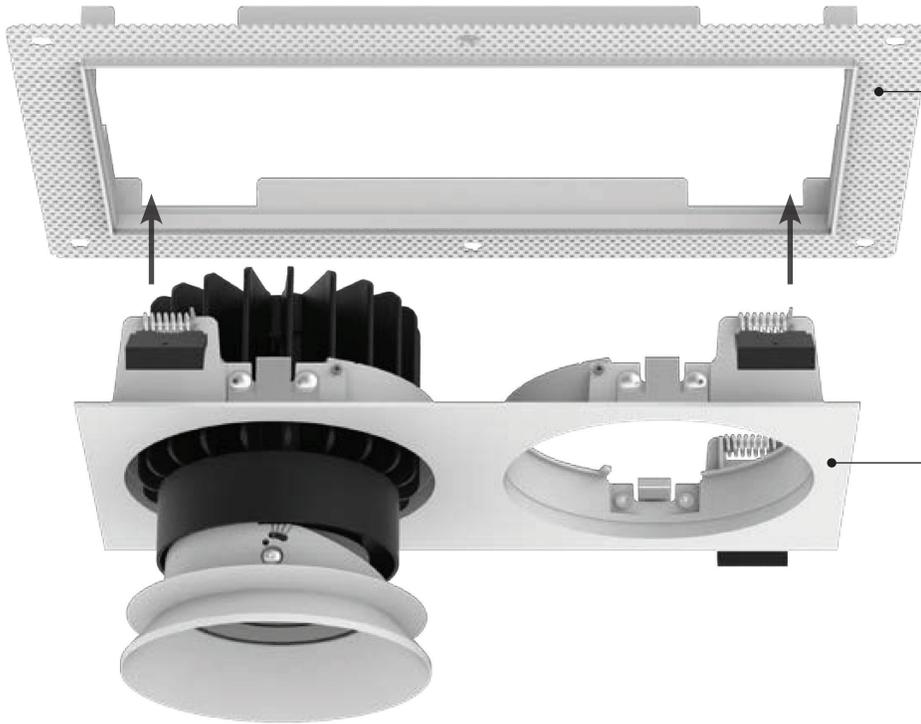
Product	Housing Type	Rating Type
L35L	M3-NCH	IC
L35L Luca 3.5 Downlight	M3-NCH New Construction Housing for 3 Light Engines	IC Insulation Contact

PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5" TRUCOLOR™ RGBTW MULTIPLES

24V CLASS 2, RECESSED FIXED, ADJUSTABLE & WALL WASH DOWNLIGHTS

INDIVIDUAL COMPONENTS



Trimless Frame is plastered into ceiling for an almost seamless appearance

System	Multiples Light Engine Quantities	Trim Type*
L35L	M3	L
L35L Luca 3.5 Light Engine	M1 Modular 1 Light Engine M2 Modular 2 Light Engines M3 Modular 3 Light Engines	L Trimless Leave Blank for Trim

*All Trimless Modules come with Trim Module to house the Light Engines. The Trimless Module sits flush in the ceiling.

Trim (STANDARD) Depth of Frame sits proud of ceiling surface

System	Multiples Light Engine Quantities	Trim Type
L35L	M3	W
L35L Luca 3.5 Light Engine	M1 Modular 1 Light Engine M2 Modular 2 Light Engines M3 Modular 3 Light Engines	W White H Haze B Black C Custom



L35-XX-XX-D-W

FIXED DOWNLIGHT

As the name implies, this is a static light, directed downwards, with a choice of beam angles, super easy to install, this option provides uniform illumination and is a common option for general lighting.

L35-XX-XX-A-W

ADJUSTABLE DOWNLIGHT

Featuring a unique light-shielding effect, it can tilt within the fixture without protruding below the ceiling, blocking any line of sight to the ceiling gap from below. The swing angle can be precisely adjusted, tilting up to a maximum of 30 degrees, ensuring the light is accurately directed to your desired location.

L35-XX-XX-W-W

WALL WASH

Fixed wall wash modules can illuminate vertical surfaces to make a room look more spacious or to focus attention on objects on the wall. Unlike spot lights, wall washes can brighten larger areas and provide a soft, diffused light to a space.

L35-XX-XX-P-B

PINHOLE SPOT ADJUSTABLE

It is a multifunctional accent light that can highlight a single object or architectural element. To further reduce the visual impact on the ceiling, the pin hole baffle is used to bring the luminaire flush with the ceiling for added glare protection and a 40 degree cut-off angle.

L35-XX-XX-G-B

GRAVITY FIXED DOWNLIGHT

The Gravity trim option creates a flawlessly smooth transition between drywall and downlight, allowing light to seamlessly glide from the luminaire into your space.

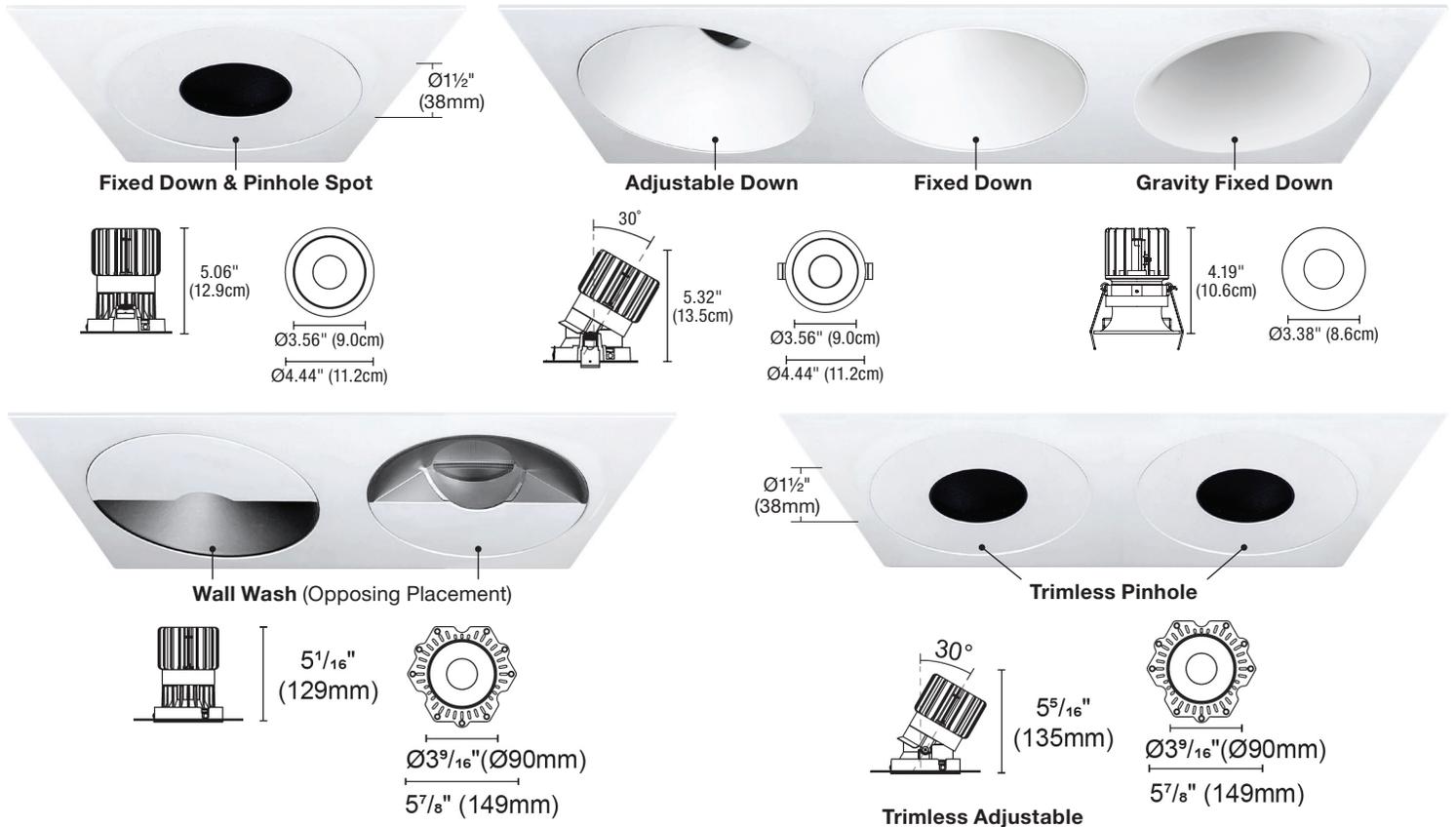
System	Beam Spread	Color Temperature	Module	Reflector Finish
L35L	NF	TC	D	W
L35L Luca 3.5 Light Engine	VS Very Narrow Spot 10° NS Narrow Spot 15° SP Spot 20° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 55°	TC TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K	D Downlight A Adjustable P Pinhole/Adjustable W Wall Wash G Gravity	W White H Haze B Black C Custom

*16 Watt Only

*Only available with black reflector and trimless or white trim, not available for Wall Wash
**Only available with black or white reflector

PROJECT	FIXTURE TYPE	DATE
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LUCA 3.5 TRIM OPTIONS



LUCA 3.5 TRIM & REFLECTOR OPTIONS

ROUND TRIM

FIXED / ADJUSTABLE

Black Trim

White Trim



Black Reflector



White Reflector



Haze Reflector



Wall Wash



Pinhole Spot



PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5 MOUNT OPTIONS

WHITE TRIM



4 7/16" W x 4 7/16" L x 1 5/16" H

M1



4 7/16" W x 8 13/16" L x 1 1/4" H

M2



4 7/16" W x 13 3/16" L x 1 1/4" H

M3

TRIMLESS



6 1/8" W x 6 1/8" L x 1 13/16" H

M1



6 1/8" x 10 9/16" L x 1 13/16" H

M2



6 1/8" W x 14 15/16" L x 1 13/16" H

M3

PROJECT		FIXTURE TYPE		DATE	
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LUCA 3.5" TRUCOLOR™ RGBTW MULTIPLES

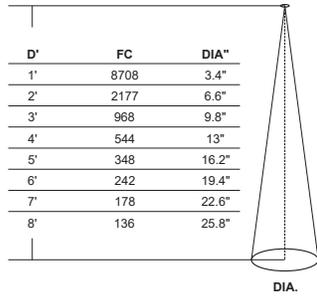
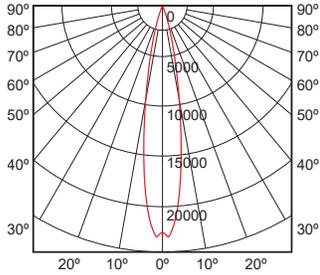
24V CLASS 2, RECESSED FIXED, ADJUSTABLE & WALL WASH DOWNLIGHTS

LUCA 3.5 FOOT CANDLE DISTRIBUTION

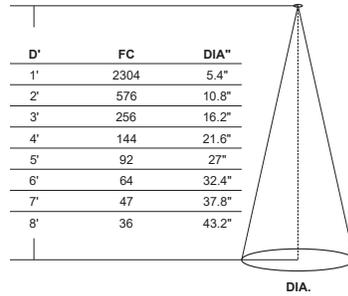
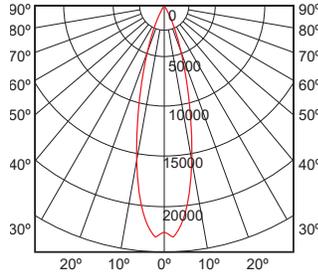
D - Distance From Luca fixture, FC - Initial foot candles at the center of beam, DIA - Diameter

16W at 3000K

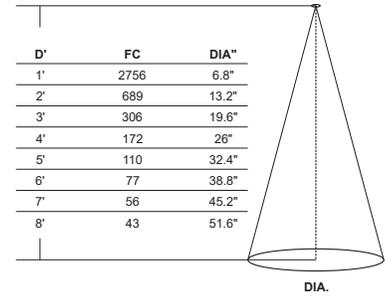
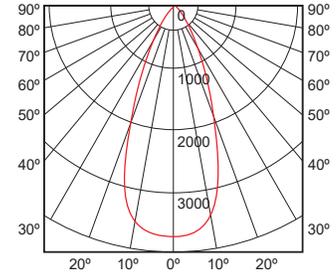
NARROW SPOT
15°



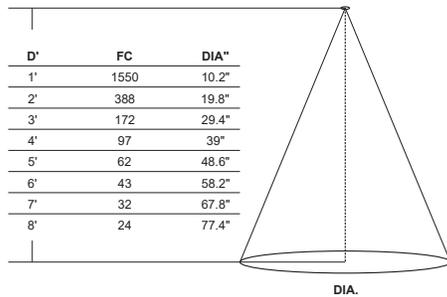
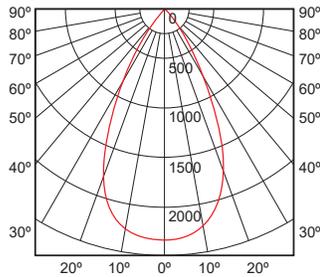
SPOT
20°



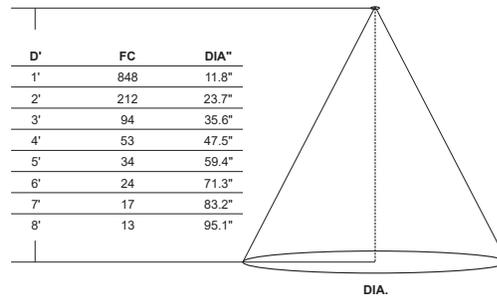
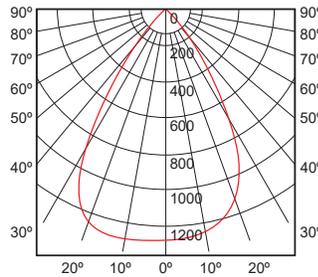
NARROW FLOOD
35°



FLOOD
45°



WIDE FLOOD
55°



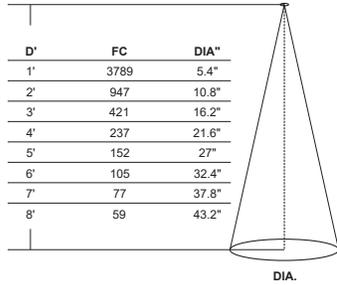
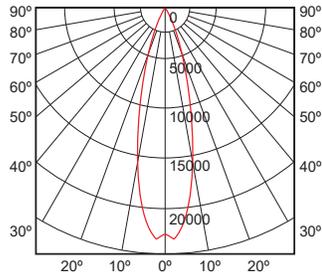
PROJECT	FIXTURE TYPE	DATE
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LUCA 3.5 FOOT CANDLE DISTRIBUTION (CONTINUED)

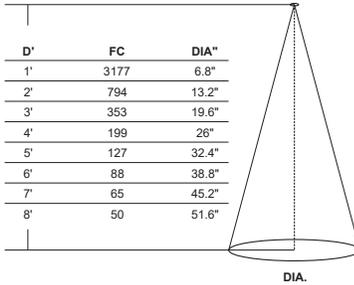
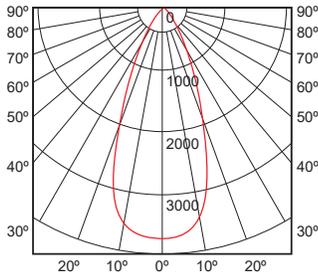
D - Distance From Luca fixture, FC - Initial foot candles at the center of beam, DIA - Diameter

18W at 3000K

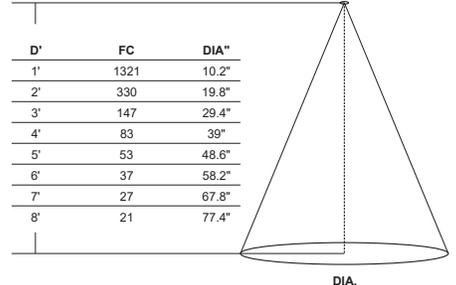
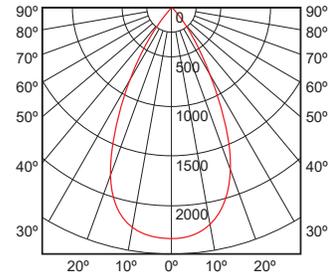
SPOT
20°



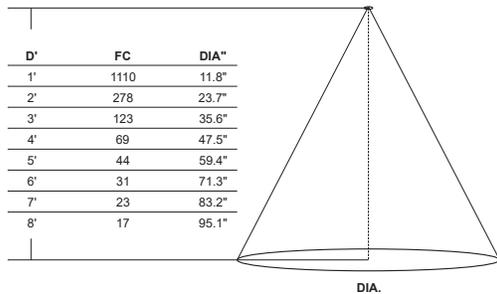
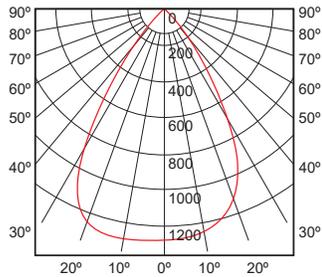
NARROW FLOOD
35°



FLOOD
45°



WIDE FLOOD
55°

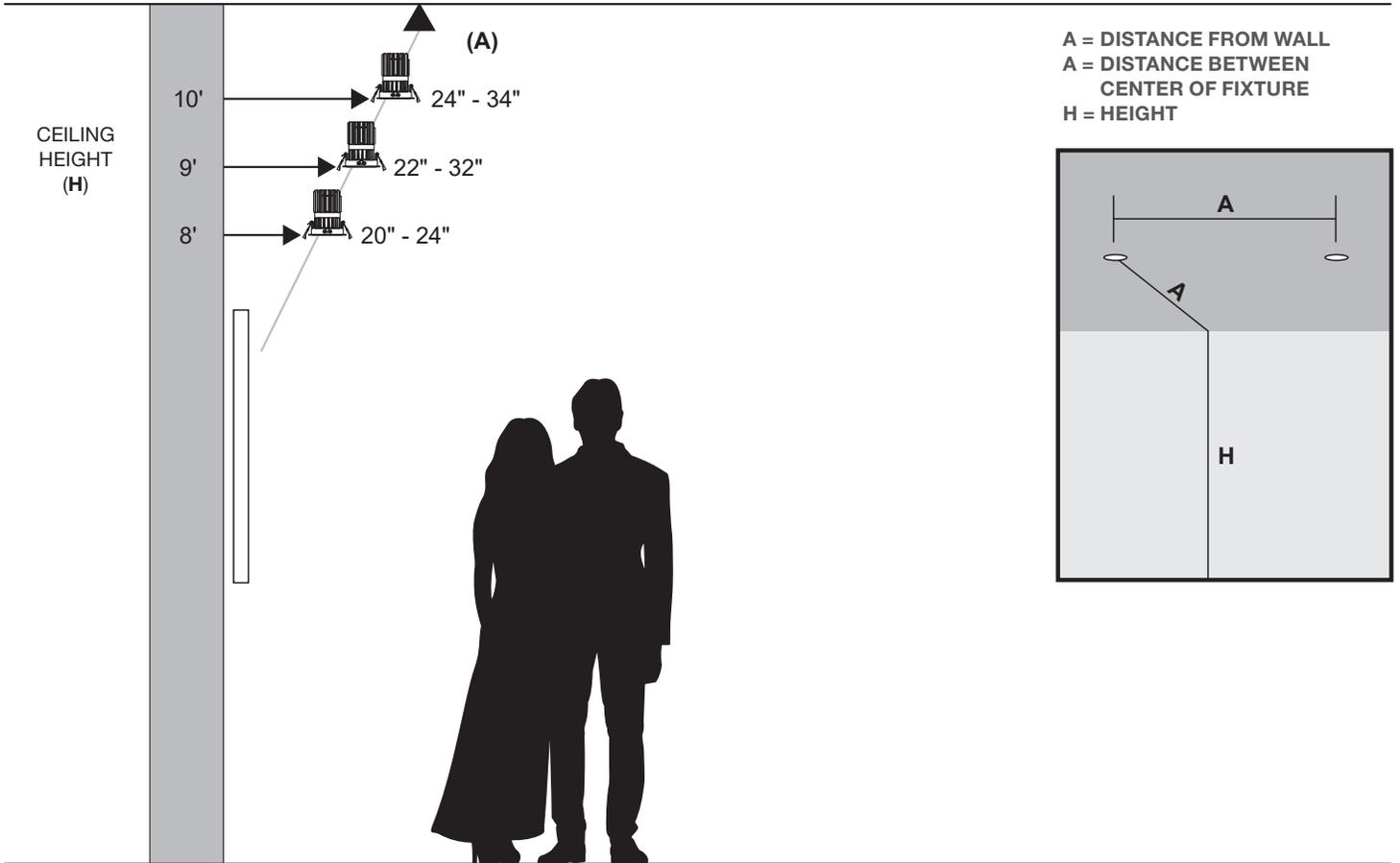


PROJECT	FIXTURE TYPE	DATE
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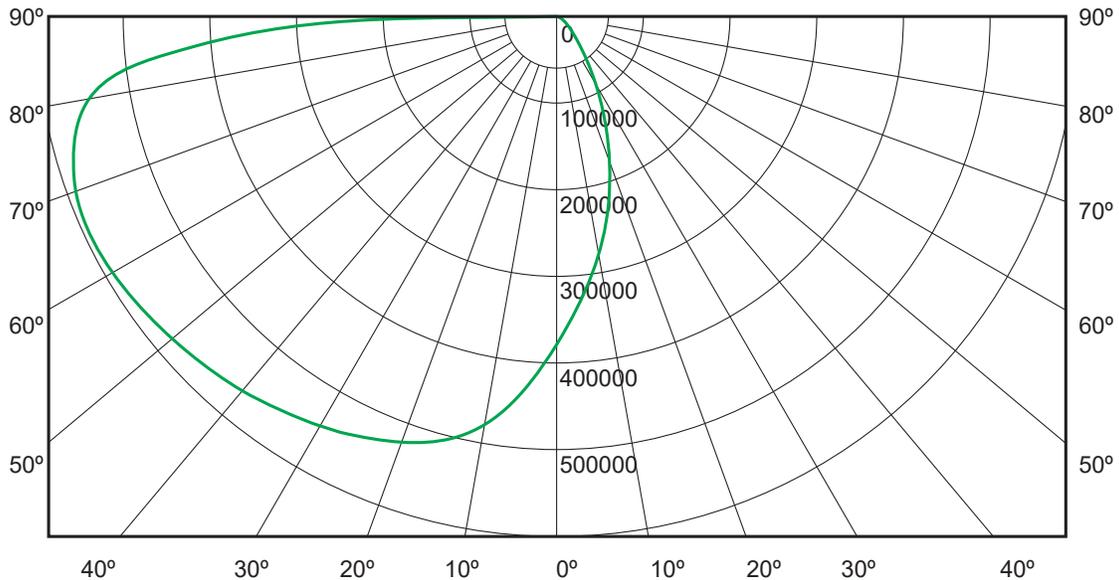
LUCA 3.5 FOOT CANDLE DISTRIBUTION (CONTINUED)

WALLWASH

DISTANCE OUT AND BETWEEN CENTER OF FIXTURES (A)



CANDLE POWER DISTRIBUTION

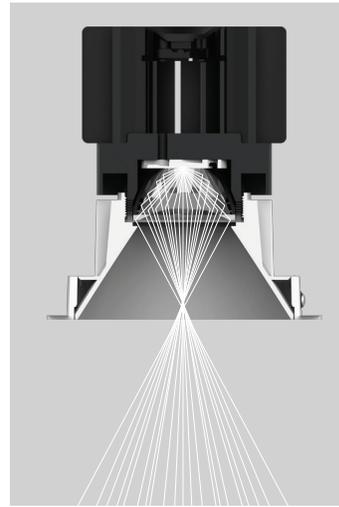
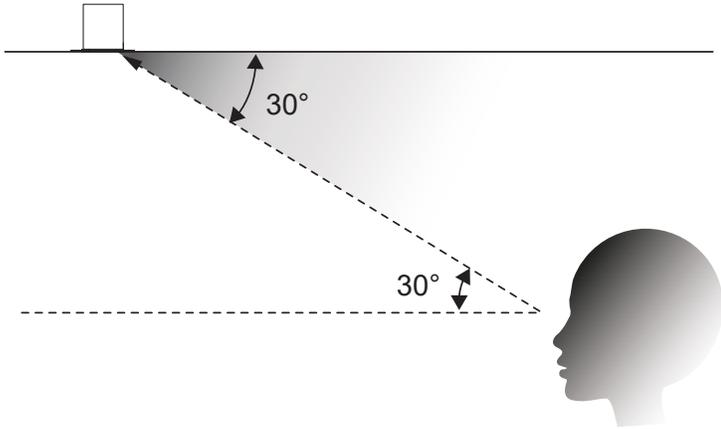


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BEAM SPREAD & LENSES

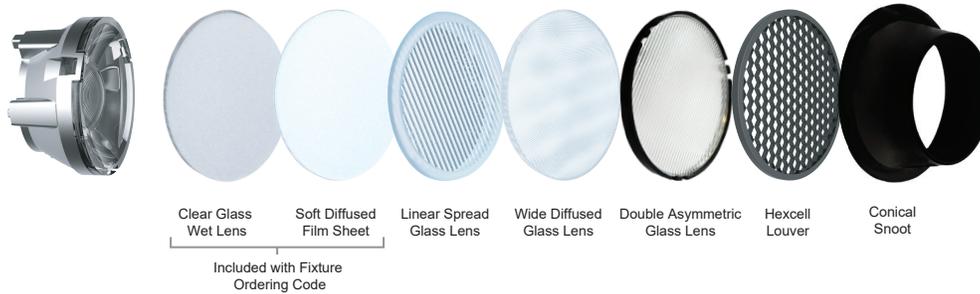
LOW GLARE BAFFLE

Designed with a 30 degree cut-off angle, the Luca provides high output and efficiency while maximizing visual comfort.



OPTICS

Our Luca Downlight has been meticulously designed to deliver exceptional performance and visual comfort. With its deep baffle design and a 30° cut-off, it effectively minimizes glare while providing a consistent and high-quality distribution of white light. Our Adjustable Downlight features a 30° 30° tilt for precise aiming and control.



In addition to the included glass wet Lens and soft diffusion film we offer a variety of beam spreads, and lens accessories to tailor the output and beam shape for specific applications. The Linear spread lens glass produces an elliptical illumination pattern, while the Wide diffusion glass lens evenly distribute the light. The Double Asymmetric Glass Lens splits the light beam evenly into two opposing directions, creating two elliptical illumination patterns. Additionally, the Hexcell Louver is available for enhanced glare control.

REPLACEMENT OPTICS

Product	Type	Beam Spread*	Color Temperature
LEN	L35	NF	SW
LEN Lens	L35 Luca 3.5	NF Narrow Flood 35° FL Flood 45° WF Wide Flood 55°	SW Static White

*Restrictions: NS & SP not available for replacement optics

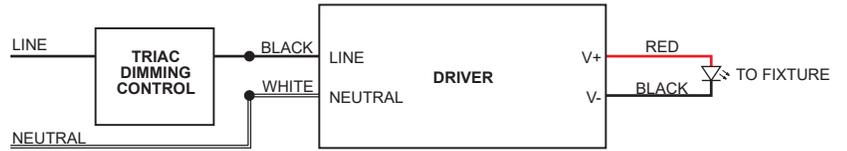
ACCESSORIES

Product	Type
GL16	L
GL16 Glass 2" (50mm) Diameter	C Clear Glass L Linear Spread Glass Lens W Wide Diffuse Glass Lens DAL Double Asymmetric Glass Lens
LF16 Film 2" (50mm) Diameter	S Soft Diffusion Film
LO16 2" (50mm) Diameter	H Hexcell Louver
STB-16 Snoot	BK Black

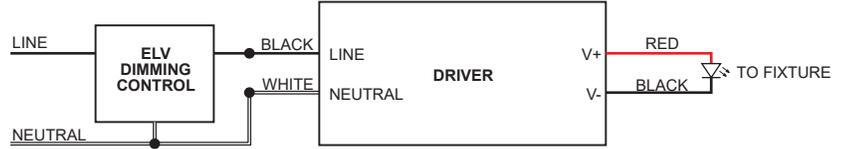
PROJECT	FIXTURE TYPE	DATE
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WIRING DIAGRAMS

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

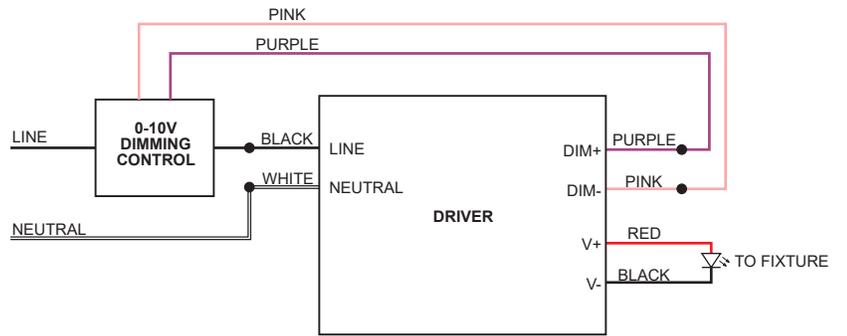


ELV / REVERSE PHASE / TRAILING EDGE DIMMING (TRI)
 Input 120VAC 50/60Hz
 Range 100% - 3%



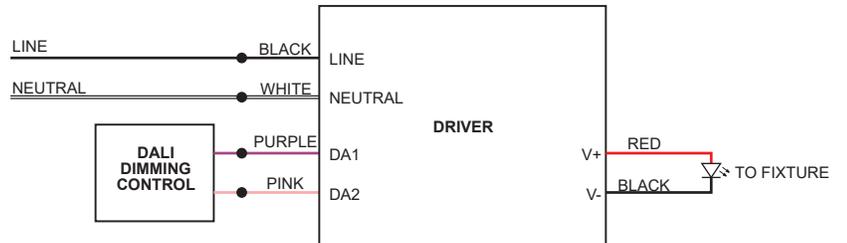
0-10V DIMMING (010)
 Input 120VAC-277VAC 50/60Hz
 Range 100% - 0.1% Dim to Off

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.

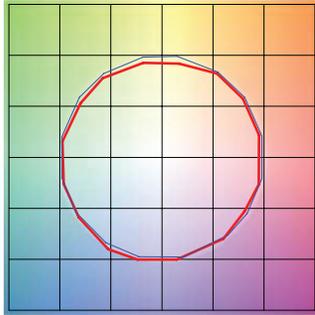


PROJECT		FIXTURE TYPE		DATE	
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TM-30-15 DATA

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

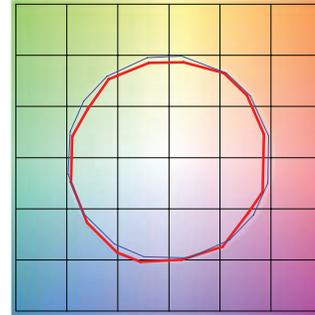


■ Test
 ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

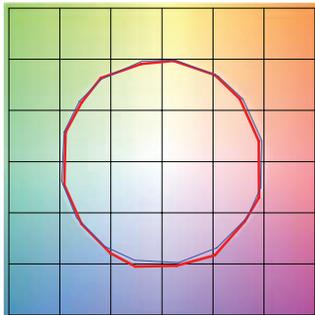


■ Test
 ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

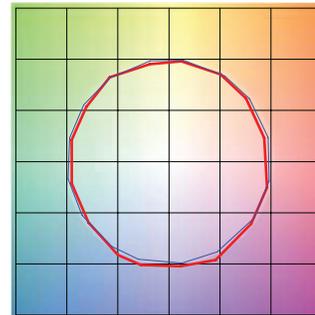


■ Test
 ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic



■ Test
 ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

PROJECT		FIXTURE TYPE		DATE	
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