VANISHING POINT TUBO LARGE DOWN LIGHT

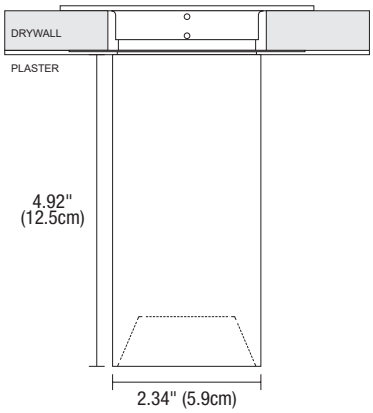
LED 24VDC

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 08.28.24



VR
Vanishing Point Plaster-In, Remote Power supply (Order separately)





V2MR
Vanishing Point for Millwork Ceiling,
Remote Power supply (Order separately)

DESCRIPTION

The Vanishing Point Tubo Large Down Light Plaster-In System with integrated LED offers four different mounting options all without a visible canopy, creating a seamless architecture using a remotely located power supply or an ELV power supply within the junction box. The Tubo Large Downlight is available in a black or white powder coat finishes with five color temperatures to choose from, including Warm Dim **(30D)**. Offered in multiple beam spreads that can be changed in the field. 97 CRI with R9-97 Integral LED chip with a flat-back heat sink design. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com .

DRYWALL APPLICATIONS (PLASTER-IN)

VR - Remote 24VDC Power Supply (Order Separately).

MILLWORK APPLICATIONS

V2MR - Connection point at ceiling sits flush on Millwork. 24VDC remote power supply (order separately).

SPECIFICATIONS

- Input Voltage 120VAC/24VDC
- Power Consumption: 14 watts
- Construction: Die Cast Aluminum
- Dimensions: Ø 2.34" Height 4.92"
- Color Rendering: COB Chromaticity range within a 2-step MacAdam Ellipse
- Average LED life: 60,000 hrs

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, CLASS 2 WIRING

- Uni Trim Power Supply Universal Dimming (TRIAC, ELV, 0-10V)
  ELV & TRIAC Smart Dimmer & Switch

WARRANTY / LABELS

Pro-rated 5 year warranty. Assembled in America, RoHS, ETL (Conforms to UL1598 and CSA 22.2 #250.0). *Title24 JA8 listed with universal power supplies in 27K> CCT, Click the link to access our full Title 24 compliance listings: pureedgelighting.com/resources.

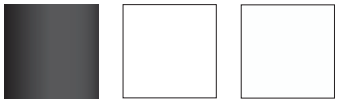
APPLICATIONS

Designed for indoor use only in drywall and millwork. Ideal applications in Commercial, Retail, Residential, Hospitality, Education, and Healthcare Institutions.

LAMPING

	BEAM ANGLE REFERENCE 40°				
COLOR TEMPERATURE	24K	27K	30K	30D*	35K
TOTAL LUMENS	1032	920	891	683	1024
WATTS	14	14	14	14	14
LUMENS PER WATT (lm/w)	74	66	65	49	73
CRI	97	92	92	97	97.5
TM-30 DATA	R9: 60 Rf: 93 Rg: 98	R9: 97 Rf: 92 Rg: 100	R9: 64 Rf: 91 Rg: 98	R9: 90 Rf: 95 Rg:102	R9: 92 Rf: 94 Rg:101
LAMP LIFE	60,000 Hours, 70% Lumen Maintenance				

FINISH



Black **BK** | White **WH** | Pure White **PW**

System	Type	Fixture	Beam Spread	Color Temperature	Finish
VR	HW24	TUBLD	NF	30K	WH

VR Vanishing Point Drywall (Plaster-In) with Remote Power supply (order separately)
V2MR Vanishing Point Flush canopy for Millwork with Remote Power supply (order separately)

HW24 Hard Wire 24VDC

TUBLD Tubo Large Down Light

NS Narrow Spot 10°
SP Spot 20°
NF Narrow Flood 35°
FL Flood 45°
WF Wide Flood 60°

24K 2400K Very Warm White
27K 2700K Incandescent White
30K 3000K Warm White
30D 3000K Warm Dim to 1800K
35K 3500K Neutral White

30D NS: 7.5W, 400 lumens

BK Black
WH White RAL 9010
PW Pure White Powder Coat RAL 9016

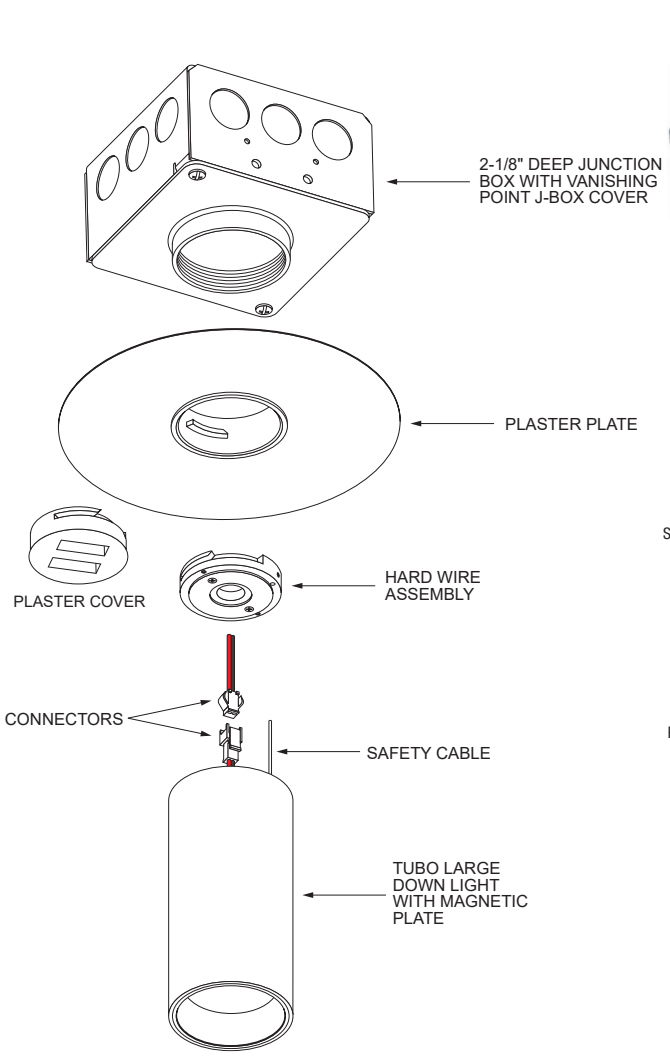
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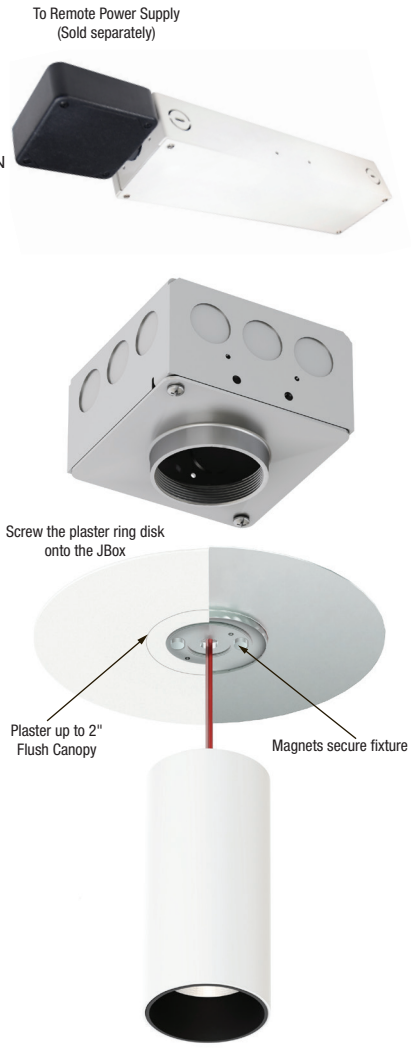
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VANISHING POINT TUBO LARGE DOWN LIGHT

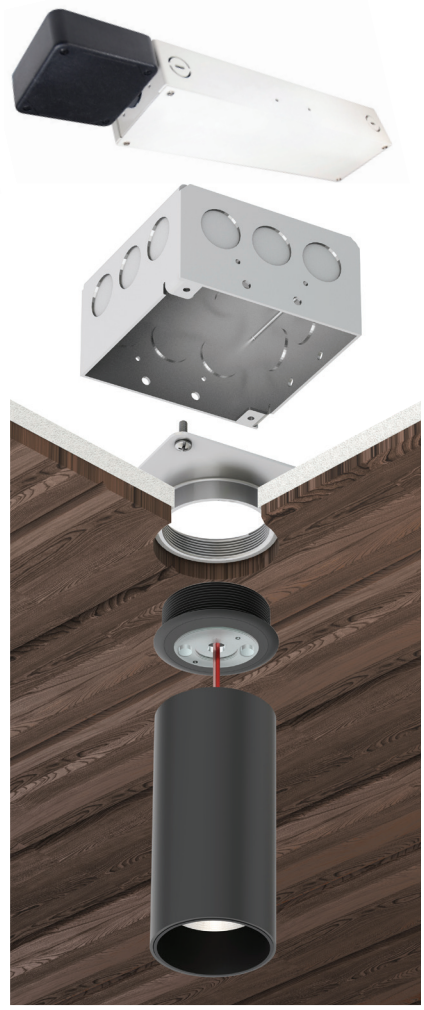
LED 24VDC

REV 08.28.24

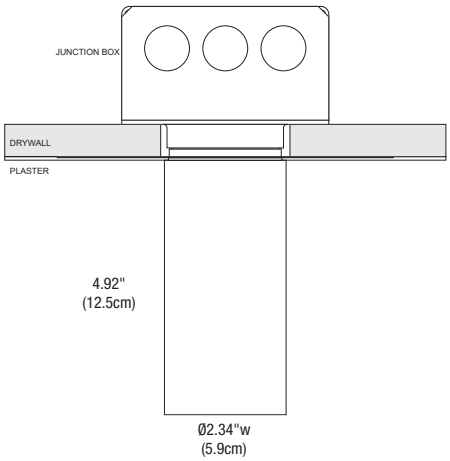




VR-HW24-TUBLD
Vanishing Point Flush to dry wall



V2MP-HW24-TUBLD
Vanishing Point for Millwork



PROJECT		FIXTURE TYPE		DATE	

VANISHING POINT TUBO LARGE DOWN LIGHT

LED 24VDC

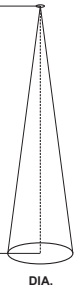
REV 08.28.24

TUBO LARGE Photometric Data

D - Distance from fixture
FC - Initial foot candles at the center of beam
DIA - Diameter

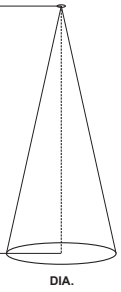
NARROW SPOT BEAM ANGLE 10°

D'	FC	DIA.
1'	17300	2.2"
2'	4330	4.3"
3'	1930	6.5"
4'	1080	8.6"
5'	694	10.8"
6'	482	12"
7'	354	15"
8'	271	18"



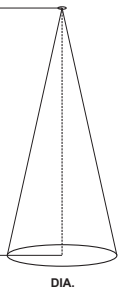
SPOT BEAM ANGLE 20°

D'	FC	DIA.
1'	2582	4.3"
2'	1860	8.6"
3'	828	13"
4'	466	17.3"
5'	298	21.6"
6'	207	25.9"
7'	152	30.2"
8'	117	34.6"



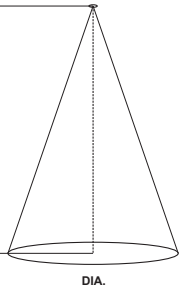
NARROW FLOOD BEAM ANGLE 35°

D'	FC	DIA.
1'	2780	7.6"
2'	695	15.1"
3'	309	22.7"
4'	174	30"
5'	111	37.2"
6'	77.2	45.4"
7'	56.7	53"
8'	43.4	62.5"



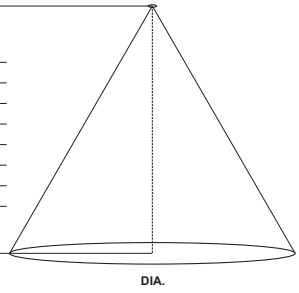
FLOOD BEAM ANGLE 45°

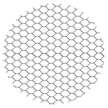
D'	FC	DIA.
1'	1610	9.8"
2'	403	18"
3'	179	29.2"
4'	101	40"
5'	64.5	48"
6'	44.8	58.3"
7'	32.9	68"
8'	25.2	80"



WIDE FLOOD BEAM ANGLE 60°

D'	FC	DIA.
1'	561	16.2"
2'	140	32.4"
3'	62.3	48"
4'	35	64.8"
5'	22.4	81"
6'	15.6	97.2"
7'	11.4	113.4"
8'	8.8	129.6"



	TUBO LARGE LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
							
ORDERING CODE	**STATIC WHITE** **LEN-TUBL-NS-SW** **LEN-TUBL-SP-SW** **LEN-TUBL-NF-SW** **LEN-TUBL-FL-SW** **LEN-TUBL-WF-SW**	**WARM DIM** **LEN-TUBL-SP-WD** **LEN-TUBL-NF-WD** **LEN-TUBL-FL-WD** **LEN-TUBL-WF-WD**	**STB16-BK** **STB16-WH (WHITE SHELL)**	**ST16-BK** **ST16-WH**	**LO16-H**	**LF-TUBL-SF (SOFT FOCUS),** **MF (MEDIUM FOCUS),** **WF (WIDE FOCUS)**	**LF-TUBL-LS**
LENS SIZE	2" (50mm) Diameter		Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Snoot is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.
BEAM SPREADS	**NS** (10°), **SP** (20°), **NF** (35°) **FL** (45°), **WF** (60°)						

PROJECT		FIXTURE TYPE		DATE	

UNIVERSAL POWER SUPPLIES WITH TRIM

24VDC, UNIVERSAL DIMMING (ELV, TRIAC, 0-10V) STATIC WHITE & WARM DIM FOR TRACK HEADS

REV 08.28.24



DESCRIPTION
The Uni TRIM Power Supply is designed for 24 Volt Track Heads, accepts input voltage in a range of 120 - 277VAC and outputs 24VDC power up to 96 watts. Can be used as a dimmable or non-dim Power Supply. Dims down 7% with an ELV dimmer or a 0-10 volt dimmer when two additional wires are connected to the dimmer. The enclosure provides a space inside for electrical connections. Power Supply features short circuit and overload and over temperature protection. Indoor applications only. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com .

MOUNTING
Surface mounted with conduit access

COMPATIBILITY
Compatible with PureEdge 24VDC Track heads (T24, T24M), Vanishing Point and Mono-point/Multi-point heads (FJ24, VR, V2MR, MR2R, M44R, 2RRE, 3R8R).

POWER INPUT
120-277 volts AC, 50/60Hz

POWER OUTPUT
Class 2; 24 volts DC 4A, 96 watts maximum

EFFICIENCY
85%

AMBIENT OPERATING TEMPERATURE
-25C to 40C

ELV DIMMER TYPE
Legrand: Adorne ADTP703TU
Lutron: Diva DVELV-300P, Skylark SELV-300P,
Maestro MAELV-600 and Radio RA 2

MAKE IT SMART
ELV & TRIAC Smart Dimmer & Switch

0-10 DIMMER TYPE
Lutron: Radio RA2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T
Philips: Sunrise SR1200ZTUNV
Leviton: IP710-DL

DIMMING CURVE
Linear, Logarithmic 100% - 7% (HydraDrive)

APPLICATIONS: Indoor*
*To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.

Product	Wattage	Dimming	Voltage	Type	Options
PSB	96W	UNI	24VDC	T	STANDARD (Leave Blank)
PSB Power Supply with Enclosure Box	**40W** 40 Watt **60W** 60 Watt **96W** 96 Watt **2X40W** 2x40 Watt **2X60W** 2x60 Watt **2X96W** 2x96 Watt	**UNI** Universal Power Supply	**24VDC** 24 Volt DC	**T** Trim	**TB** T-Bar **CP** Chicago Plenum

PROJECT		FIXTURE TYPE		DATE	

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UNIVERSAL POWER SUPPLIES WITH TRIM

24VDC, UNIVERSAL DIMMING (ELV, TRIAC, 0-10V) STATIC WHITE & WARM DIM FOR TRACK HEADS

REV 08.28.24

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	**PSB-40W-UNI-24VDC-T** 	**PSB-60W-UNI-24VDC-T** 	**PSB-96W-UNI-24VDC-T** 
SPECIFICATIONS			
MAXIMUM LOAD	40W	60W	96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	15.65" X 6.37" X 3.43"	15.65" X 6.37" X 3.43"	15.65" X 6.37" X 3.43"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	**PSB-40W-UNI-24VDC-T-TB**	**PSB-60W-UNI-24VDC-T-TB**	**PSB-96W-UNI-24VDC-T-TB**
T-BAR CHICAGO PLENUM	**PSB-40W-UNI-24VDC-T-CP**	**PSB-60W-UNI-24VDC-T-CP**	**PSB-96W-UNI-24VDC-T-CP**

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	**PSB-2X40W-UNI-24VDC-T** 	**PSB-2X60W-UNI-24VDC-T** 	**PSB-2X96W-UNI-24VDC-T** 
SPECIFICATIONS			
MAXIMUM LOAD	2X40W	2X60W	2X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	15.4" X 9.73" X 3.43"	15.4" X 9.73" X 3.43"	15.4" X 9.73" X 3.43"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	**PSB-2X40W-UNI-24VDC-T-TB**	**PSB-2X60W-UNI-24VDC-T-TB**	**PSB-2X96W-UNI-24VDC-T-TB**
T-BAR CHICAGO PLENUM	**PSB-2X40W-UNI-24VDC-T-CP**	**PSB-2X60W-UNI-24VDC-T-CP**	**PSB-2X96W-UNI-24VDC-T-CP**

ELV DIMMING & CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•
LUTRON RADIO RA3: RR-PROC3-XX	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•

0-10 DIMMING & CONTROLS			
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•
LUTRON RADIO RA3: RR-PROC3-XX	•	•	•
LEVITON: LEV40050	•	•	•
LEVITON IP710-LFZ	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•
LEGRAND RADIANT: RH703PTUW	•	•	•

TRIAC DIMMING & CONTROLS			
LUTRON SKYLARK: S2-L-WH	•	•	•
LUTRON DIVA DVLV-600P-WH	•	•	•
LUTRON DIVA DVLV-603P-WH	•	•	•
LUTRON MAESTRO MALV-600-WH	•	•	•
LUTRON MAESTRO MALV-1000-WH	•	•	•
LUTRON MAESTRO MA-R-XX	•	•	•
PURE SMART DIMMER AND SWITCH	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per e and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  – Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  – ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supplies used for LED lighting
  – 0-10 Dimmer : Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with ELV
  Low Voltage Drivers.

*Title 24 with JA8 listed PureEdge products and systems

PROJECT		FIXTURE TYPE		DATE	

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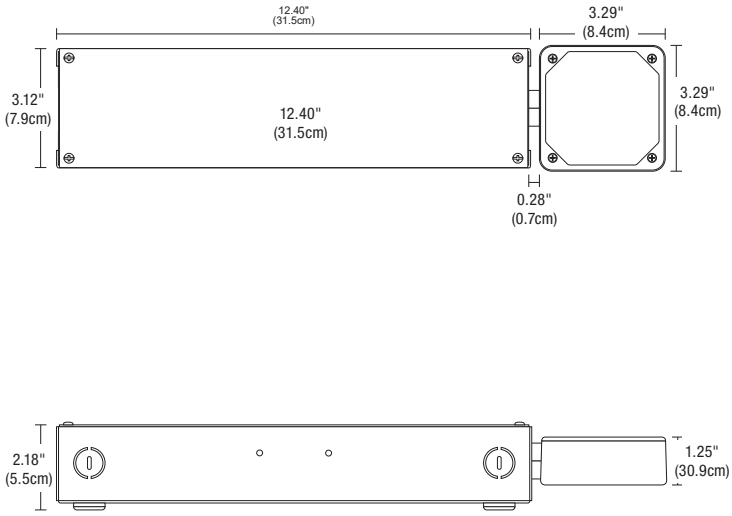
UNIVERSAL POWER SUPPLIES WITH TRIM

24VDC, UNIVERSAL DIMMING (ELV, TRIAC, 0-10V) STATIC WHITE & WARM DIM FOR TRACK HEADS

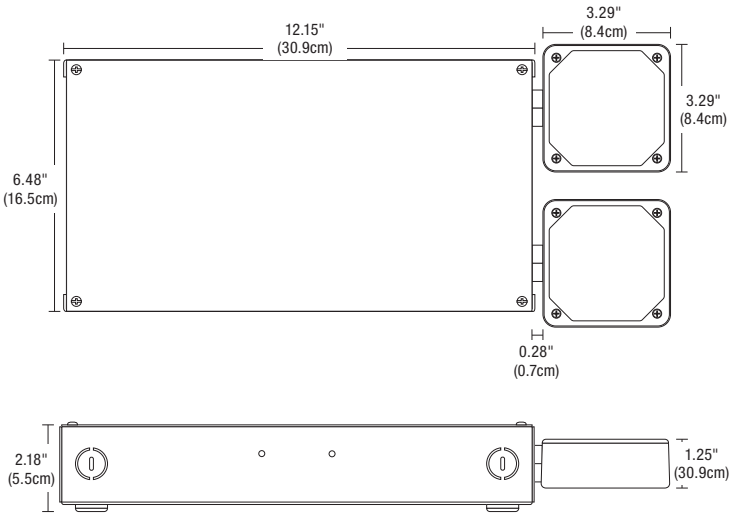
REV 08.28.24

POWER SUPPLY DIMENSIONS & DIAGRAMS

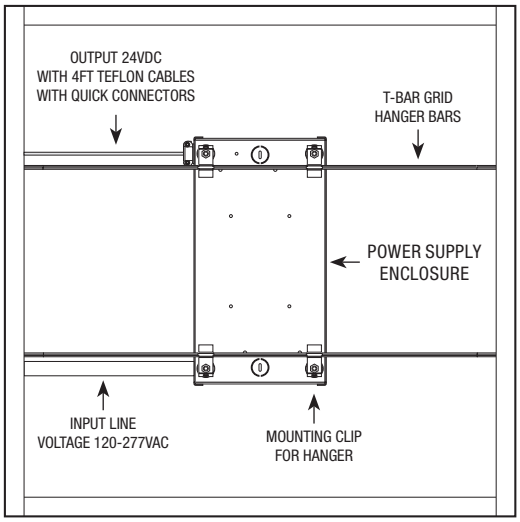
40W, 60W, 96W

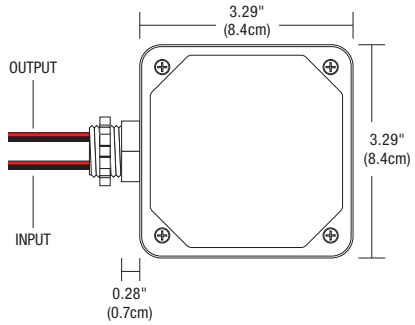


2X40W, 2X60W, 2X96W



T-BAR GRID CEILING





VOLTAGE TRIM BOX

Voltage Trim Box is included with power supply. Mounts in 1/2" knock-outs. The part number below is to be used for replacement only.

Product		Voltage		Type
PSB	–	**24VDC**	–	**TRIM**
PSB Power Supply with Enclosure Box		**24VDC** 24 Volt DC		**TRIM** Voltage Trim Box

PROJECT		FIXTURE TYPE		DATE	

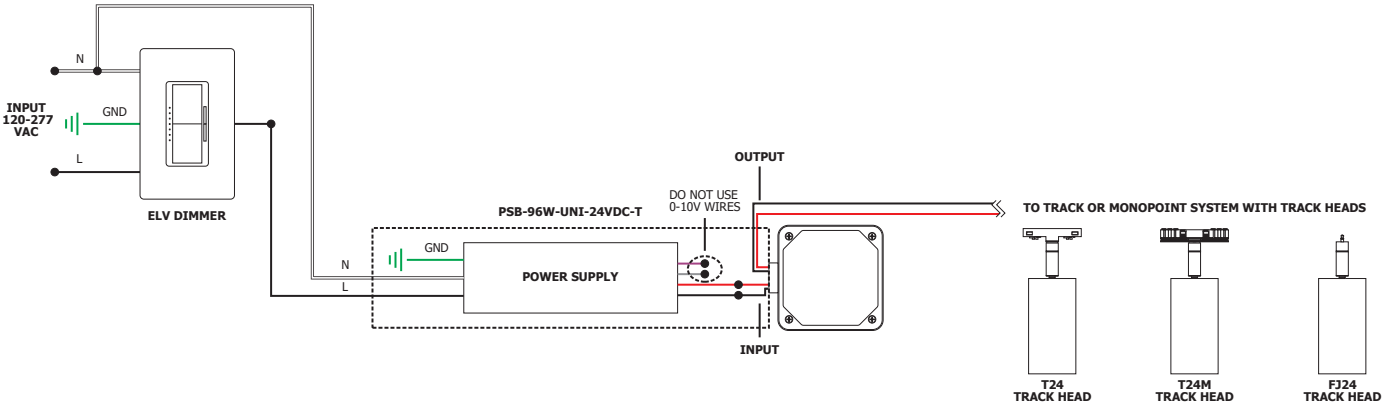
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UNIVERSAL POWER SUPPLIES WITH TRIM

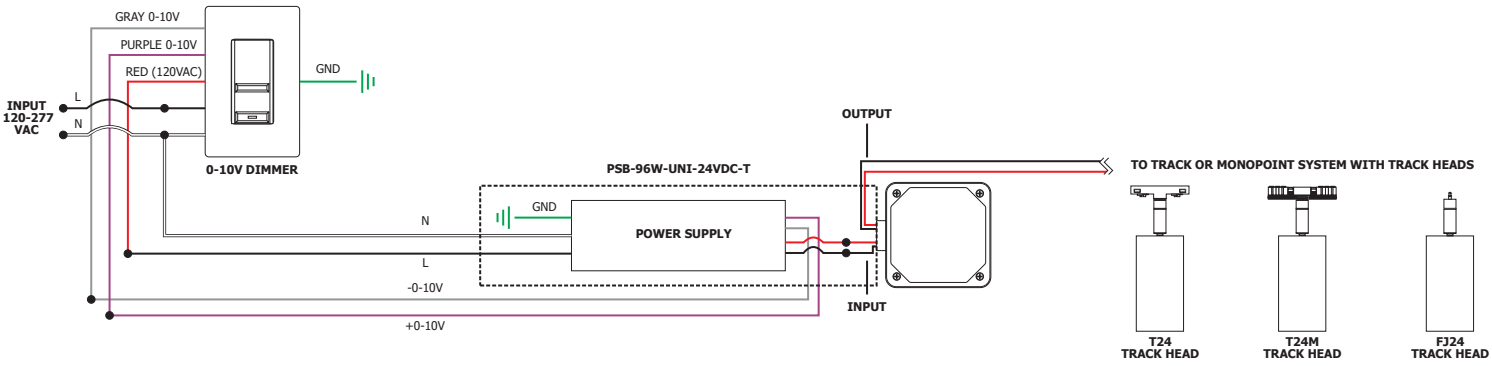
24VDC, UNIVERSAL DIMMING (ELV, TRIAC, 0-10V) STATIC WHITE & WARM DIM FOR TRACK HEADS

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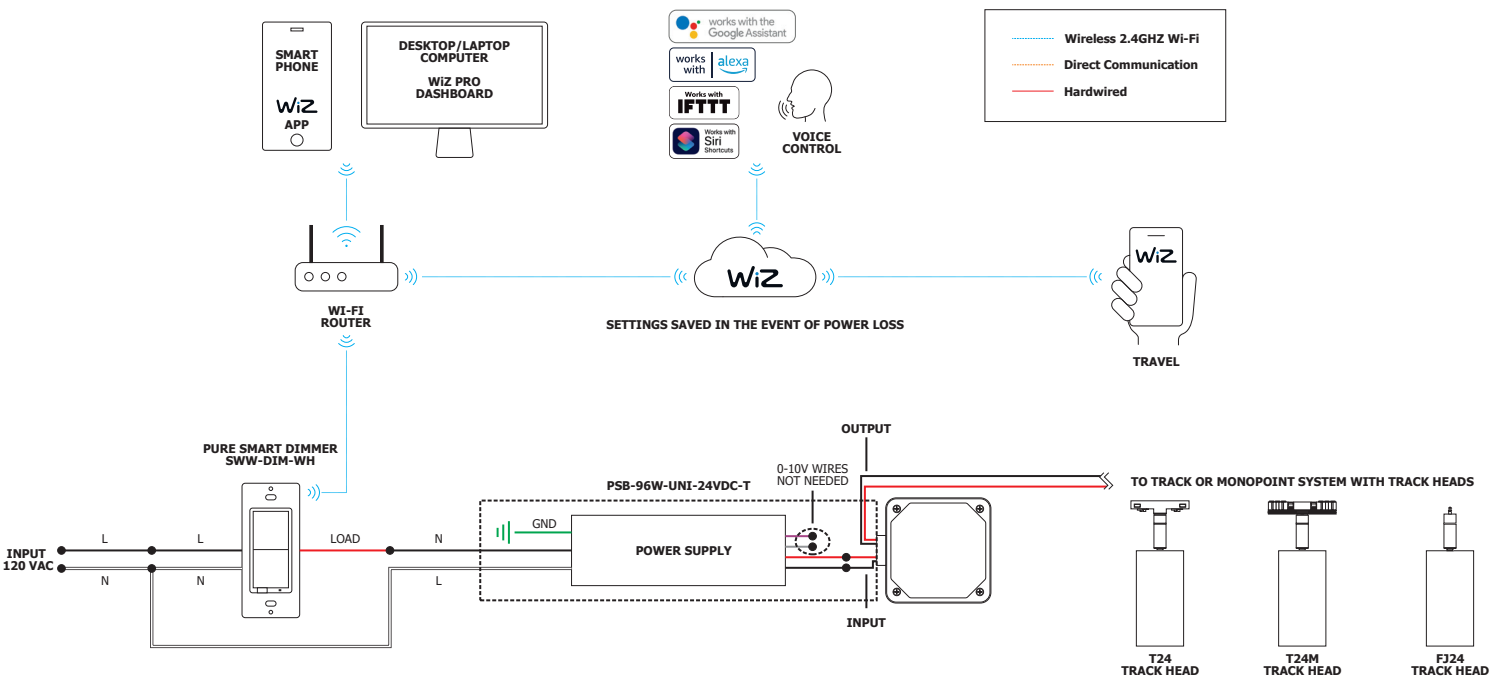
ELV WIRING DIAGRAM



0-10V WIRING DIAGRAM



SMART WIRING DIAGRAM & NETWORK TOPOGRAPHY



PROJECT		FIXTURE TYPE		DATE	

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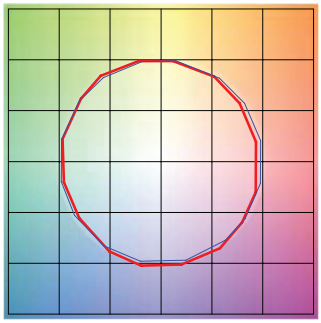
CEILING TM30 DATA
LED 24VDC

REV 08.28.24

TM-30-15 DATA: The data below is for Tubo. Consistent color temperatures among multiple track heads is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91.0 | Rg: 99.6

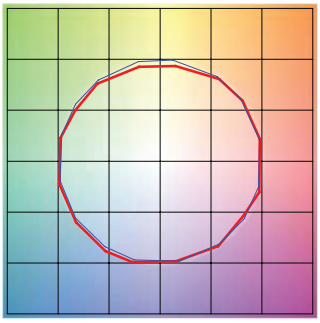
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.1	-4.6%	-0.3%
2	90.6	-4.0%	2.7%
3	88.6	-1.6%	5.1%
4	93.1	-0.9%	2.7%
5	94.6	1.1%	3.3%
6	94.6	2.9%	1.0%
7	94.1	-0.2%	-2.7%
8	97.1	-0.9%	-1.2%
9	94.5	-2.4%	1.0%
10	90.3	-2.5%	4.5%
11	88.6	1.5%	7.1%
12	89.2	4.1%	1.5%
13	90.6	3.4%	-5.3%
14	84.5	3.5%	-8.9%
15	92.3	-0.5%	-4.7%
16	85.4	-2.9%	-9.4%

2700K | Rf: 93.3 | Rg: 98.8

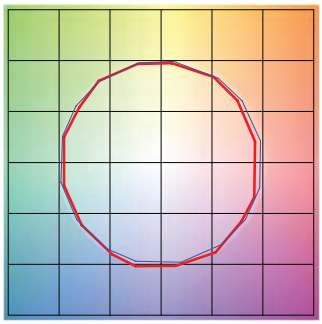
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	95.9	0.3%	0.7%
2	95.5	0.6%	-2.0%
3	93.7	-0.8%	-2.8%
4	89.8	-5.2%	-4.0%
5	93.1	-5.2%	0.2%
6	93.9	-2.4%	2.9%
7	89.0	-3.1%	5.5%
8	93.6	0.5%	3.7%
9	92.9	1.2%	3.8%
10	92.7	2.0%	3.9%
11	93.7	3.2%	2.9%
12	93.7	2.7%	-1.8%
13	94.9	-0.7%	-3.4%
14	94.7	1.3%	-2.4%
15	92.9	-2.1%	2.0%
16	92.2	1.7%	-5.0%

3000K | Rf: 90.5 | Rg: 98.0

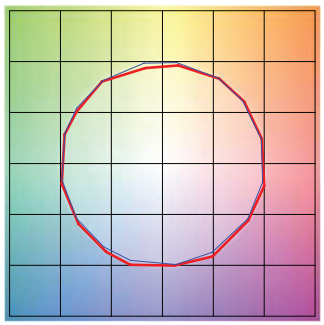
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.7	-5.3%	0.5%
2	90.7	-3.6%	2.8%
3	89.4	-1.7%	4.6%
4	93.3	-2.1%	1.4%
5	94.6	-0.8%	2.2%
6	96.2	0.6%	-0.2%
7	92.5	-3.4%	-0.9%
8	96.4	-1.7%	0.5%
9	92.0	-2.4%	3.7%
10	87.3	-1.1%	7.1%
11	87.6	1.7%	8.2%
12	89.2	4.8%	0.4%
13	90.6	2.5%	-5.7%
14	86.7	3.3%	-9.0%
15	90.9	-2.4%	-3.9%
16	84.1	-3.5%	-10.3%

3500K | Rf: 93.9 | Rg: 100.9

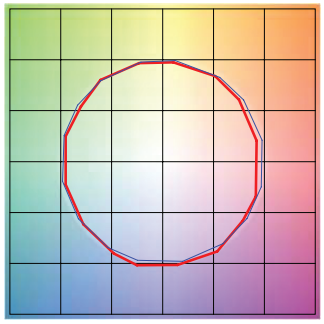
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	95.7	0.6%	0.3%
2	96.7	0.8%	-1.2%
3	96.0	0.2%	-1.0%
4	94.3	-2.5%	-1.9%
5	93.2	-4.8%	-0.2%
6	97.1	-0.3%	1.4%
7	93.8	-1.7%	3.2%
8	97.3	0.2%	1.3%
9	93.3	0.8%	4.2%
10	91.4	1.4%	5.2%
11	90.6	2.8%	4.5%
12	92.6	4.4%	0.5%
13	96.3	0.7%	-1.9%
14	93.9	3.6%	-1.8%
15	92.4	1.2%	-0.9%
16	91.5	2.3%	-3.3%

3000D | Rf: 90.5 | Rg: 98.0

Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.7	-5.3%	0.5%
2	90.7	-3.6%	2.8%
3	89.4	-1.7%	4.6%
4	93.3	-2.1%	1.4%
5	94.6	-0.8%	2.2%
6	96.2	0.6%	-0.2%
7	92.5	-3.4%	-0.9%
8	96.4	-1.7%	0.5%
9	92.0	-2.4%	3.7%
10	87.3	-1.1%	7.1%
11	87.6	1.7%	8.2%
12	89.2	4.8%	0.4%
13	90.6	2.5%	-5.7%
14	86.7	3.3%	-9.0%
15	90.9	-2.4%	-3.9%
16	84.1	-3.5%	-10.3%

PROJECT		FIXTURE TYPE		DATE	

PureEdge Lighting reserves the right to modify this specification without prior notice