

VANISHING POINT RADIANT LARGE

LED 24VDC TRACK HEAD

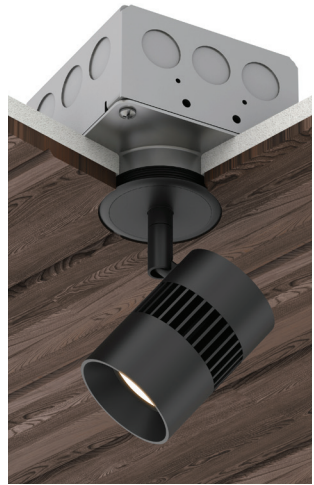
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 05.29.24



VR

Vanishing Point .5" Opening Plaster-In, Remote Power supply (Order separately)



V2MR

Vanishing Point 2" Flush Canopy for Millwork Ceiling, Remote Power supply (Order separately)

DESCRIPTION

The Vanishing Point System Radiant Large offers two distinct mounting options for drywall and millwork, allowing for the most minimal and refined architecture in any environment. The Radiant Large LED track head is offered with your choice of four beam spreads. Optional field-changeable lenses available. The flat-back cylinder with a radiant heat sink swivels 90° vertically and 360° horizontally. Available in 5 color temperatures, including Warm Dim (**30D**) and two finish options to choose from. 97+ CRI produces Designer grade color rendering alongside maximum light output in a small package. Remote power supply can feed 7 fixtures. Patent Pending.

DRYWALL APPLICATIONS (PLASTER-IN)

VR - Does not show a visible canopy line, just the small (1/2") point of connection where the fixture stem disappears into the ceiling. 24VDC remote power supply (Order Separately)

MILLWORK APPLICATIONS

V2MR - 2" canopy sits flush in Millwork for a clean look with 24VDC remote power supply (Order Separately)

SPECIFICATIONS

- Input Voltage 120VAC/24VDC
- Power Consumption: 14 watts
- Construction: Die Cast Aluminum
- Dimensions: Ø 2.34" Height 3.4"
- 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

24VDC, Class 2 wiring

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

ACCESSORIES

Additional lenses can be ordered and changed in the field offered in **NS** (10°), **SP** (20°), **NF** (35°), **FL** (45°), **WF** (60°) beam spread options.

APPLICATIONS

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

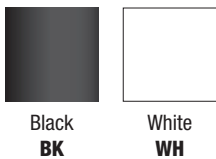
LAMPING DATA

BEAM ANGLE REFERENCE 45°					
COLOR TEMPERATURE	24K	27K	30K	30D	35K
TOTAL LUMENS	1389	1161	1199	838	1422
WATTS	14	14	14	14	14
LUMENS PER WATT (lm/w)	99	83	86	58	102
CRI	97	92	93	97	98
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				

WARRANTY / LABELS

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

FINISHES

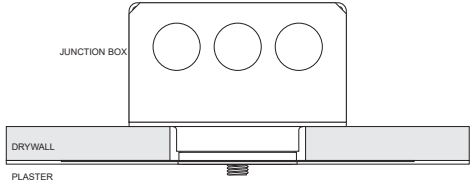
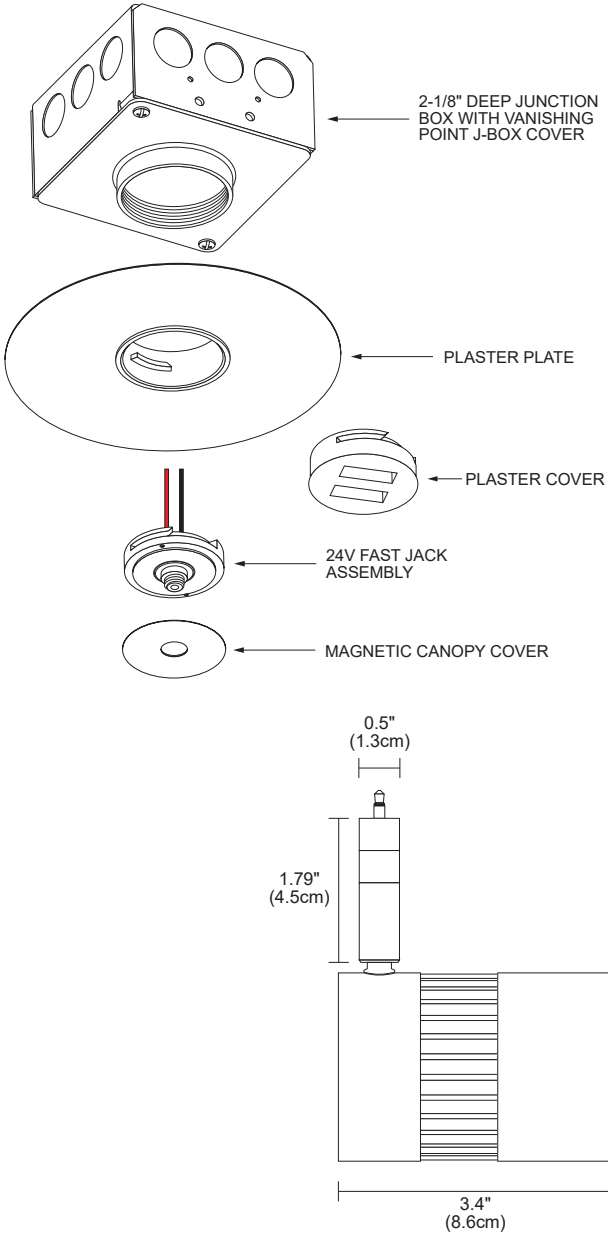


System	Fixture	Beam Spread	Color Temperature	Finish
VR	RADL	FL	30K	WH
VR Vanishing Point 0.5" Connector In Drywall, No Outline of Canopy at connection point, Remote Power Supply (sold separately) V2MR Vanishing Point 2" Flush canopy for Millwork ceiling with, Remote Power Supply (sold separately)	RADL Radiant Large	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 3000D Warm Dim* 35K 3500K Neutral White	BK Black WH White

Warm Dim: **NS** (15°), **SP** (25°) *Not available in NF

PROJECT	FIXTURE TYPE	DATE
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VANISHING POINT RADIANT LARGE LED 24VDC TRACK HEAD





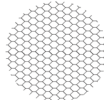


PROJECT		FIXTURE TYPE		DATE	
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VANISHING POINT RADIANT LARGE

LED 24VDC TRACK HEAD

ADDITIONAL LENSES & ACCESSORIES

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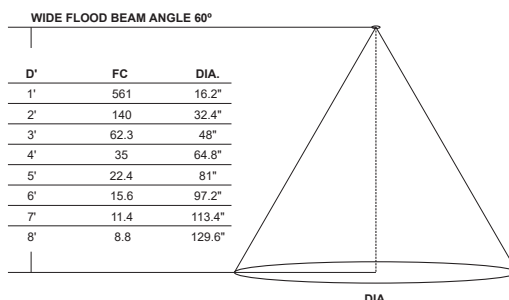
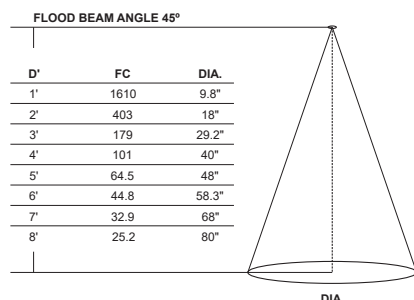
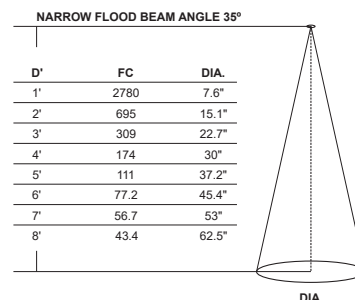
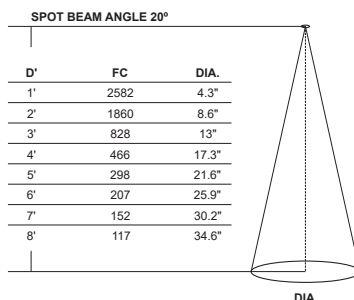
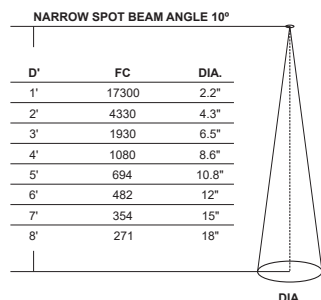
	RADIANT LARGE LENS		SNOOT	LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-RADL-NS-SW LEN-RADL-SP-SW LEN-RADL-NF-SW LEN-RADL-FL-SW LEN-RADL-WF-SW	WARM DIM LEN-RADL-NS-WD LEN-RADL-SP-WD LEN-RADL-FL-WD LEN-RADL-WF-WD	STB16-BK STB16-WH (WHITE SHELL)	L016-H	LF-RADL-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-RADL-LS
LENS SIZE	2" (50mm) Diameter					
BEAM SPREADS	NS (10°), SP (20°), NF (35°), FL (45°), WF (60°)	NS (15°), SP (25°), FL (45°), WF (60°)	Conical snoot creates a 7° Beam spread and 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.

RADIANT LARGE Photometric Data at 3000K CCT

D - Distance from fixture

FC - Initial foot candles at the center of beam

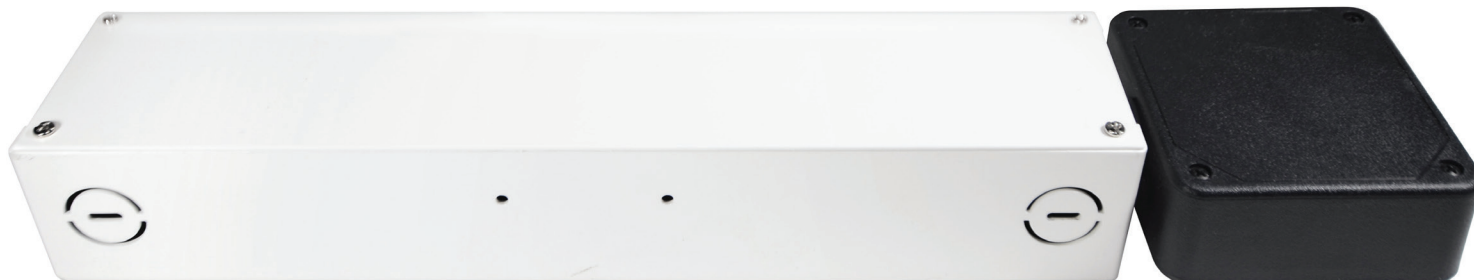
DIA - Diameter



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



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 05.29.24

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: DVTW-WH, DVSTV-WH	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•
LUTRON RADIO RA3: RR-PROC3-XX	•	•	•
LEVITON: LEV400S0	•	•	•
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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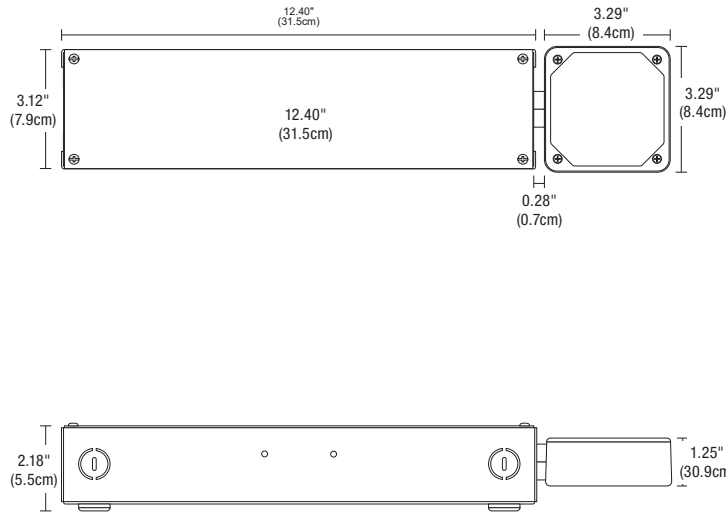
UNIVERSAL POWER SUPPLIES WITH TRIM

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

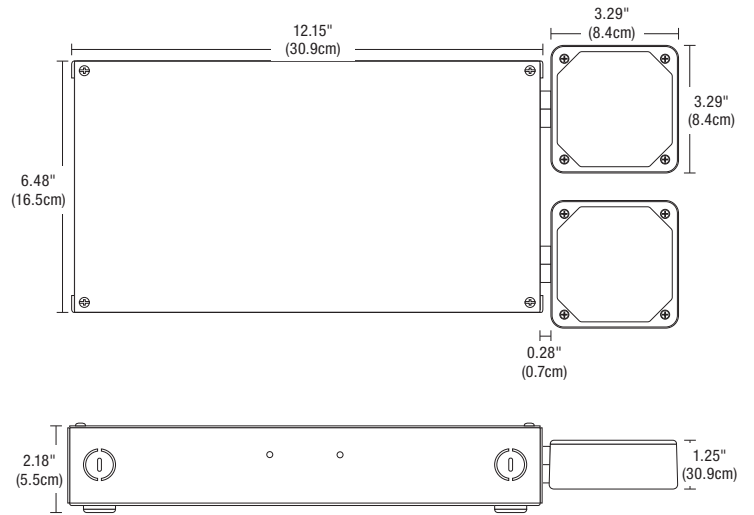
REV 05.29.24

POWER SUPPLY DIMENSIONS & DIAGRAMS

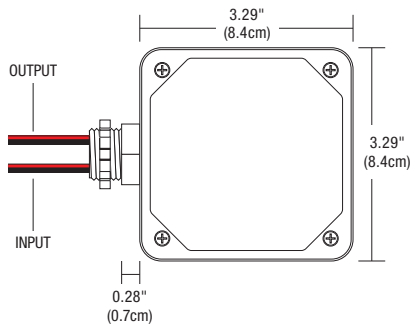
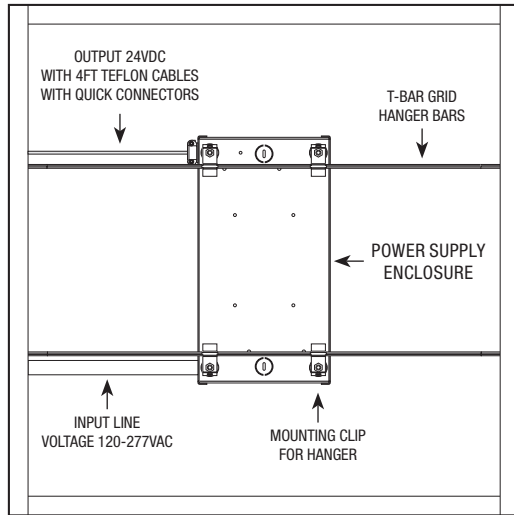
40W, 60W, 96W



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.

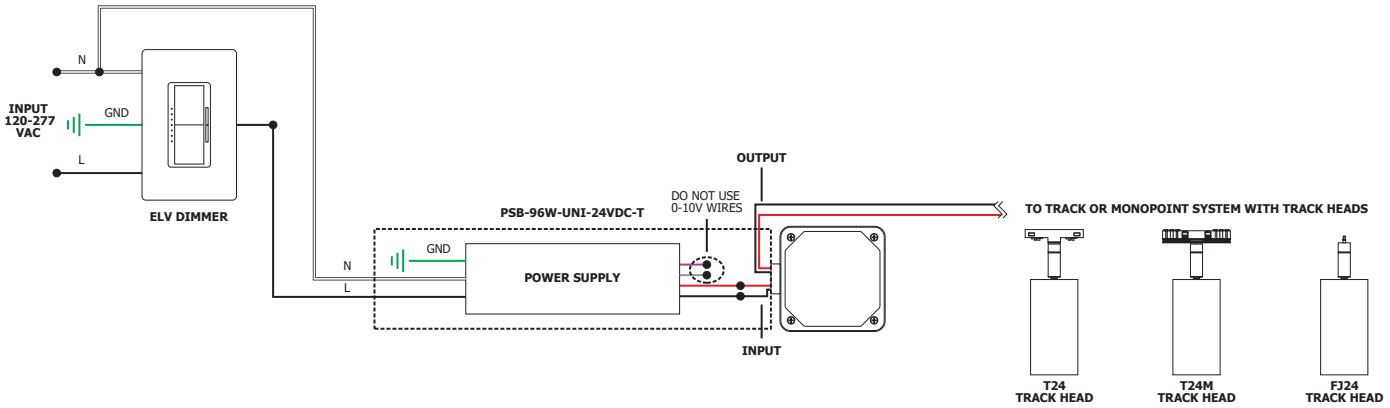
Product	Voltage	Type
PSB	24VDC	TRIM
PSB Power Supply with Enclosure Box	24VDC 24 Volt DC	TRIM Voltage Trim Box

PROJECT		FIXTURE TYPE		DATE	
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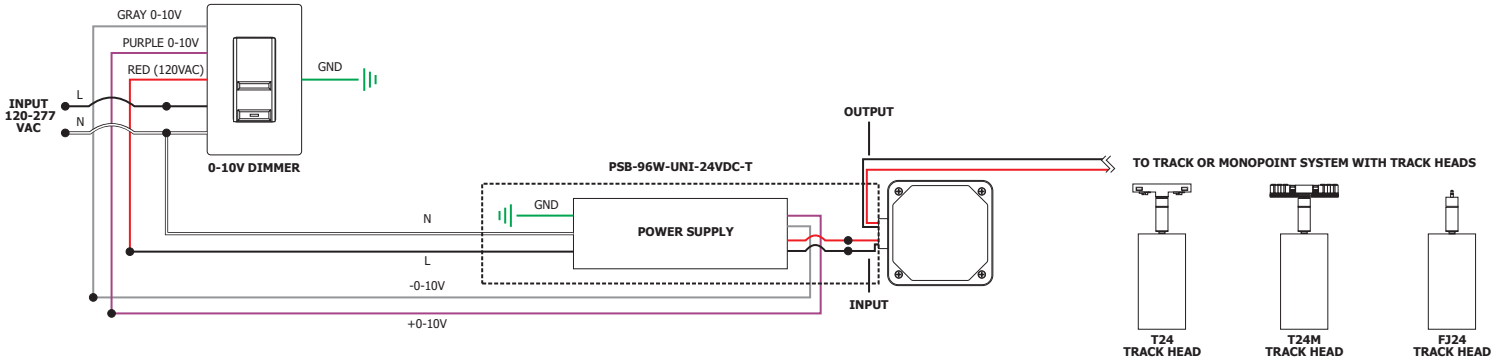
UNIVERSAL POWER SUPPLIES WITH TRIM

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

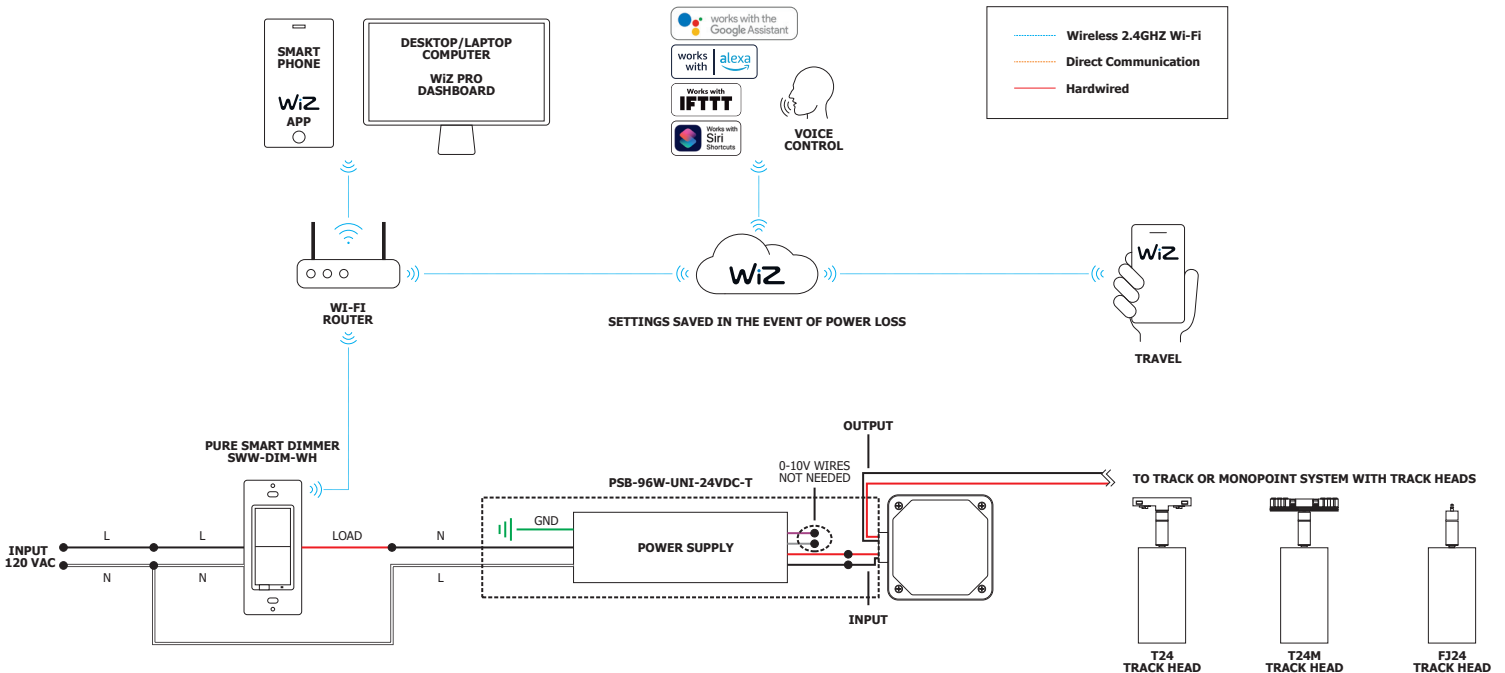
ELV WIRING DIAGRAM



0-10V WIRING DIAGRAM



SMART WIRING DIAGRAM & NETWORK TOPOGRAPHY



PROJECT		FIXTURE TYPE		DATE	
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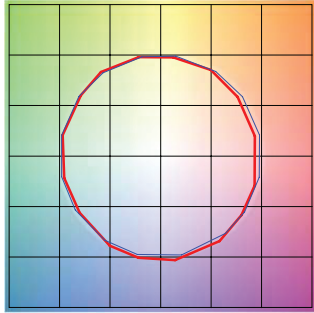
T24 TRACK HEAD TM30 DATA

LED 24VDC TRACK HEAD

TM-30-15 DATA: The data below is for Radiant Medium. 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: 91.3 | Rg: 99.1

COLOR VECTOR GRAPHIC

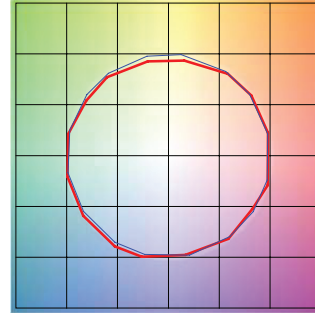


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.1	-4.6%	0.0%
2	91.2	-4.0%	2.4%
3	88.7	-1.6%	4.7%
4	93.6	-1.7%	2.0%
5	94.8	0.2%	3.1%
6	95.3	2.0%	1.3%
7	94.9	-0.9%	-1.9%
8	97.5	-1.0%	-0.4%
9	94.2	-2.2%	1.7%
10	90.1	-2.2%	4.8%
11	88.8	1.9%	6.9%
12	89.7	3.2%	1.8%
13	90.0	3.8%	-7.3%
14	84.7	3.0%	-8.9%
15	92.5	-1.0%	-4.2%
16	85.7	-3.1%	-9.0%

2700K | Rf: 99.1 | Rg: 98.9

COLOR VECTOR GRAPHIC

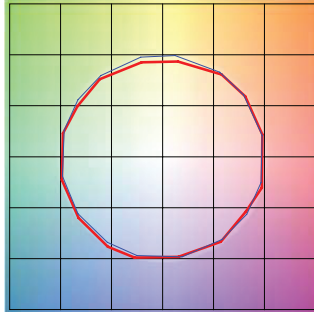


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.7	0.4%	0.8%
2	95.3	0.7%	-2.0%
3	93.3	-0.7%	-3.0%
4	89.5	-5.3%	-4.2%
5	93.0	-5.4%	0.2%
6	93.6	-2.4%	3.2%
7	90.2	-2.6%	5.2%
8	93.3	0.8%	3.8%
9	92.5	1.4%	3.7%
10	93.2	2.4%	3.5%
11	94.0	3.3%	2.2%
12	93.1	2.7%	-2.5%
13	94.3	-0.9%	-3.9%
14	94.7	1.0%	-2.5%
15	92.6	-2.3%	-2.1%
16	92.4	1.5%	-4.7%

3000K | Rf: 90.8 | Rg: 99

COLOR VECTOR GRAPHIC

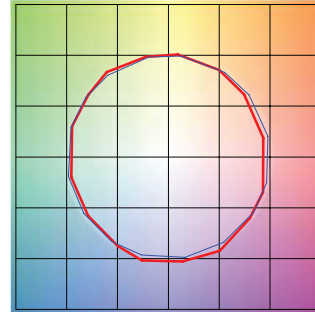


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

3000D | Rf: 90.8 | Rg: 100.1

COLOR VECTOR GRAPHIC

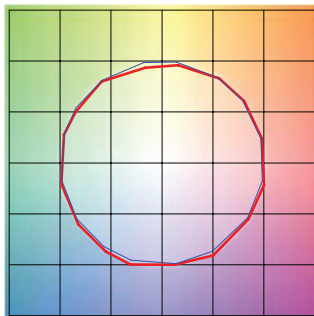


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.0	-4.9%	-0.7%
2	90.7	-3.6%	3.1%
3	87.2	-1.1%	5.9%
4	92.7	1.0%	3.8%
5	93.8	0.9%	2.7%
6	94.2	3.0%	-0.7%
7	92.7	-0.5%	-3.6%
8	96.6	-0.8%	-1.5%
9	94.4	2.5%	1.4%
10	89.7	-2.3%	4.6%
11	87.3	0.5%	7.6%
12	89.9	5.2%	-1.5%
13	92.0	3.6%	-3.4%
14	87.6	4.7%	-7.7%
15	88.2	-0.0%	-6.9%
16	85.8	-1.8%	-10.0%

3500K | Rf: 93.6 | Rg: 100

COLOR VECTOR GRAPHIC



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.3	0.9%	0.4%
2	96.1	1.0%	-1.4%
3	95.5	0.2%	-1.4%
4	93.6	-2.7%	-2.4%
5	92.7	-5.3%	-0.4%
6	97.0	-0.6%	1.5%
7	93.1	-1.9%	3.7%
8	96.9	0.2%	1.6%
9	92.8	1.0%	4.5%
10	91.1	1.7%	5.3%
11	90.7	3.0%	4.3%
12	92.5	4.5%	0.3%
13	96.3	0.5%	-2.0%
14	93.9	3.5%	-1.7%
15	92.2	1.2%	-0.6%
16	91.3	2.4%	-3.1%

PROJECT		FIXTURE TYPE		DATE	
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