

# VANISHING POINT TUBO SMALL

## LED DOWN LIGHT 24VDC

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 04.22.25



**VR**  
Vanishing Point  
No visible canopy at the ceiling surface



**V2MR**  
Vanishing Point 2" Flush Canopy for Millwork

### DESCRIPTION

Vanishing Point Tubo Small Downlight is an innovative design that allows the fixture to disappear into the ceiling. The Plaster-In 24VDC System with integrated LED offers distinct mounting options for Drywall and Millwork using a remotely located power supply or an ELV power supply within the junction box. You may feed up to 10 fixtures using the remote universal power supply (ordered separately). The Tubo Small 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. For custom quotes and layout assistance, send your drawings and ideas to our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### DRYWALL APPLICATIONS (PLASTER-IN)

**VR** – Remote 24VDC Power Supply (Order Separately). Can feed up to 10 downlights.

### MILLWORK APPLICATIONS

**V2MR** – Remote Power- The downlight sits flush in Millwork ceilings for a clean look with a slight 5/8" outline; 24VDC remote power supply may feed up to 10 Tubo Small Downlights.

### SPECIFICATIONS

- Input Voltage 120VAC/24VDC
- Power Consumption: 8.5 watts (7.5 warm dim)
- Construction: Die Cast Aluminum
- Dimensions: Ø 1.61" Height 3.94"
- 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](#)

### 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	485	433	419	287	481
WATTS	8.5	8.5	8.5	7.5	8.5
LUMENS PER WATT (lm/w)	57	51	40.2	38.6	57
CRI	97	92	94	94	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](http://pureedgelighting.com/resources).

### FINISHES



Black

**BK**

White

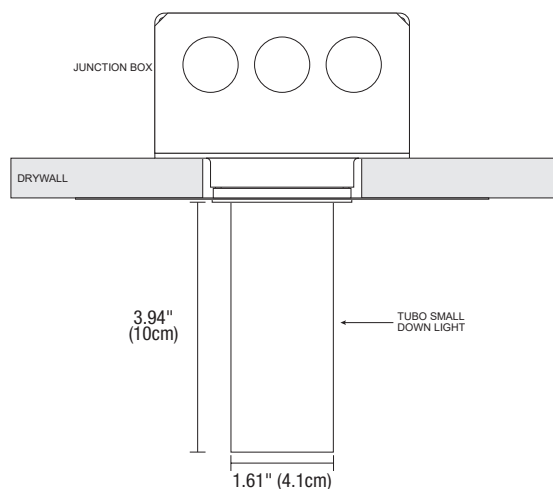
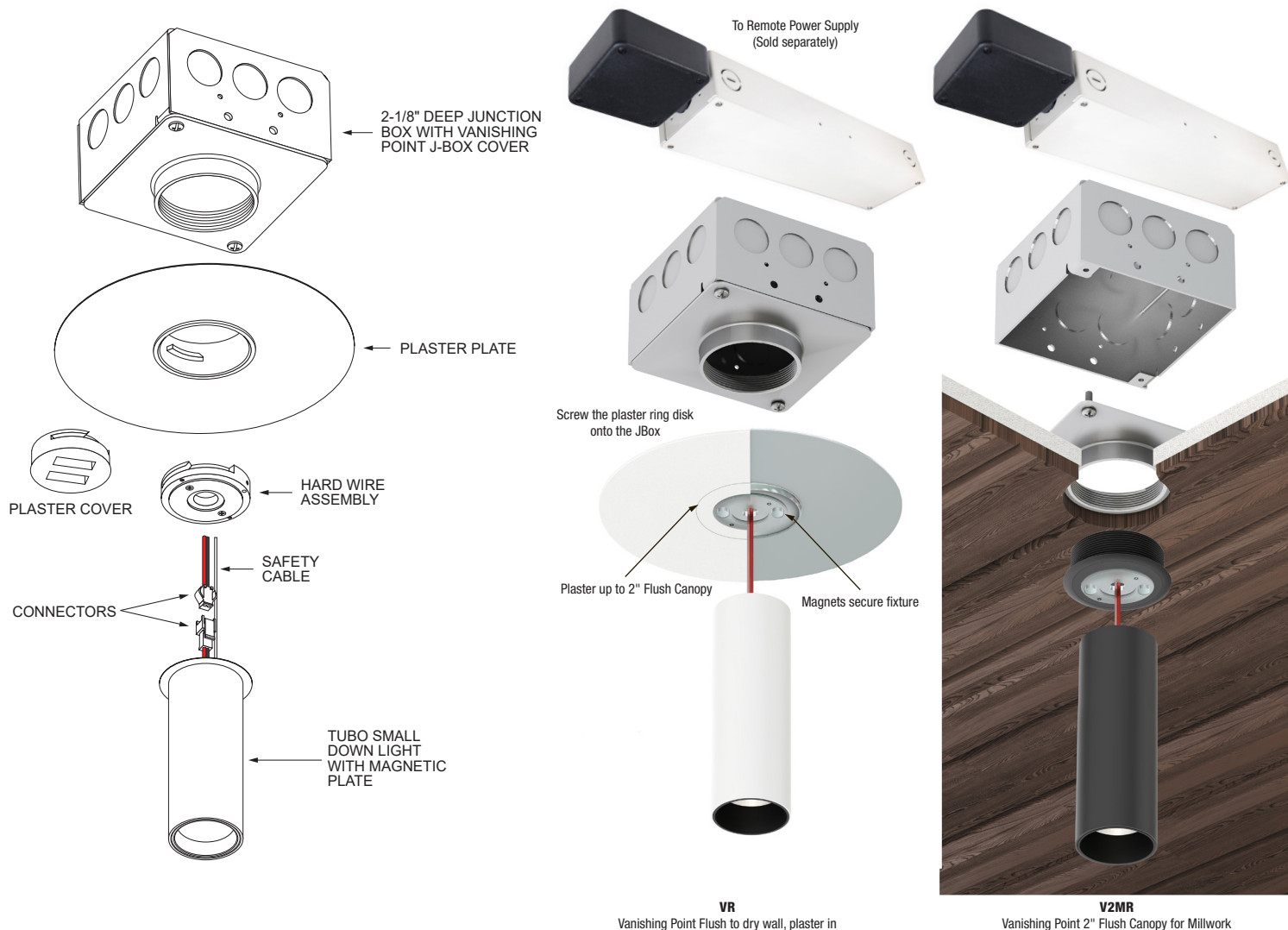
**WH**

System	Type	Fixture	Beam Spread	Color Temperature	Finish
<b>VR</b>	<b>HW24</b>	<b>TUBSD</b>	<b>FL</b>	<b>30K</b>	<b>WH</b>
<b>VR</b> Vanishing Point Drywall (Plaster-In) with Remote Power supply (order separately)	<b>HW24</b> Hard Wire 24VDC	<b>TUBSD</b> Tubo Small Downlight	<b>NS</b> Narrow Spot 15° <b>SP</b> Spot 25° <b>NF</b> Narrow Flood 35° <b>FL</b> Flood 45° <b>WF</b> Wide Flood 60°	<b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>30K</b> 3000K Warm White <b>30D*</b> 3000K Warm Dim to 1800K <b>35K</b> 3500K Neutral White *NS with 30D Warm Dim uses snoot, see accessory pages for details	<b>BK</b> Black Powder Coat <b>WH</b> White Powder Coat

PROJECT	FIXTURE TYPE	DATE
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# VANISHING POINT TUBO SMALL

## LED DOWN LIGHT 24VDC





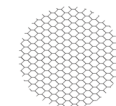


PROJECT		FIXTURE TYPE		DATE	
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# VANISHING POINT TUBO SMALL

## LED DOWN LIGHT 24VDC

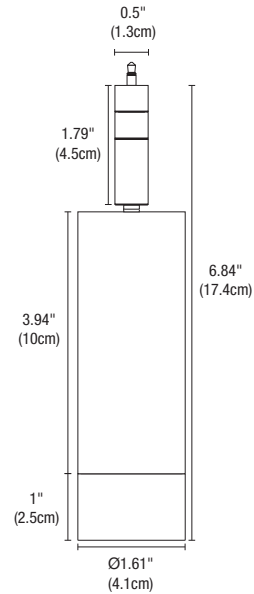
### Additional Lenses and Accessories

REV 04.22.25

	TUBO SMALL LENS	SNOOT	LOUVER	FOCUS LENS	LINEAR SPREAD FILM
					
ORDERING CODE	<b>STATIC WHITE</b> LEN-TUBS-NS-SW LEN-TUBS-SP-SW LEN-TUBS-NF-SW LEN-TUBS-FL-SW LEN-TUBS-WF-SW <b>WARM DIM</b> LEN-TUBS-NS-WD LEN-TUBS-SP-WD LEN-TUBS-NF-WD LEN-TUBS-FL-WD LEN-TUBS-WF-WD	TUBS-ST-BK TUBS-ST-WH (WHITE SHELL)	L016-H	LF-TUBS-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WHITE FOCUS)	LF-TUBS-LS
LENS SIZE	1.375" (35mm) Diameter				
BEAM SPREADS	NS (15°), SP (25°), NF (35°), 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.

### TUBO SMALL NARROW SPOT (NS) 30D WARM DIM WITH SNOOT DETAIL

WARM DIM: 8 WATTS



\*Snoot is included in ordering code & required for use

### TUBO SMALL Photometric Data at 3000K

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

#### NARROW SPOT BEAM ANGLE 15°

D'	FC	DIA.
1'	3890	3.2"
2'	972	6.4"
3'	432	9.7"
4'	243	12.9"
5'	156	16.2"
6'	108	19.4"
7'	79	22.6"
8'	61	25.9"

#### SPOT BEAM ANGLE 25°

D'	FC	DIA.
1'	2080	5.4"
2'	520	10.8"
3'	231	16.2"
4'	130	21.6"
5'	83	27"
6'	57.8	32.4"
7'	42.4	37.8"
8'	32.5	43.2"

#### NARROW FLOOD BEAM ANGLE 35°

D'	FC	DIA.
1'	1540	7.5"
2'	385	15.1"
3'	171	22.6"
4'	96.3	30"
5'	61.6	37.2"
6'	42.8	45.3"
7'	31.4	53"
8'	24.1	62.5"

#### FLOOD BEAM ANGLE 45°

D'	FC	DIA.
1'	496	9.7"
2'	124	19.4"
3'	55.1	29.1"
4'	31	38.8"
5'	19.8	48.6"
6'	13.8	58.3"
7'	10.1	68.0"
8'	7.75	77.7"

#### WIDE FLOOD BEAM ANGLE 60°

D'	FC	DIA.
1'	265	16.2"
2'	66.3	32.4"
3'	29.4	48"
4'	16.6	64.8"
5'	10.6	81"
6'	7.3	97.2"
7'	5.4	113.4"
8'	4.1	129.6"

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](mailto: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
<b>PSB</b>	<b>96W</b>	<b>UNI</b>	<b>24VDC</b>	<b>T</b>	<b>STANDARD</b> (Leave Blank)
PSB Power Supply with Enclosure Box	<b>40W</b> 40 Watt <b>60W</b> 60 Watt <b>96W</b> 96 Watt <b>2X40W</b> 2x40 Watt <b>2X60W</b> 2x60 Watt <b>2X96W</b> 2x96 Watt	UNI Universal Power Supply	24VDC 24 Volt DC	T Trim	<b>TB</b> T-Bar <b>CP</b> 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 04.22.25

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS			
	PSB-40W-UNI-24VDC-T	PSB-60W-UNI-24VDC-T	PSB-96W-UNI-24VDC-T
ORDERING CODE			
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			
	PSB-2X40W-UNI-24VDC-T	PSB-2X60W-UNI-24VDC-T	PSB-2X96W-UNI-24VDC-T
ORDERING CODE			
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: 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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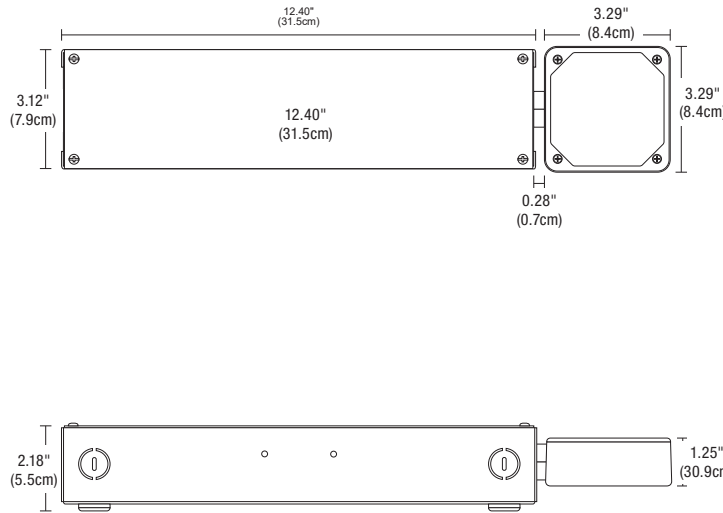
# UNIVERSAL POWER SUPPLIES WITH TRIM

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

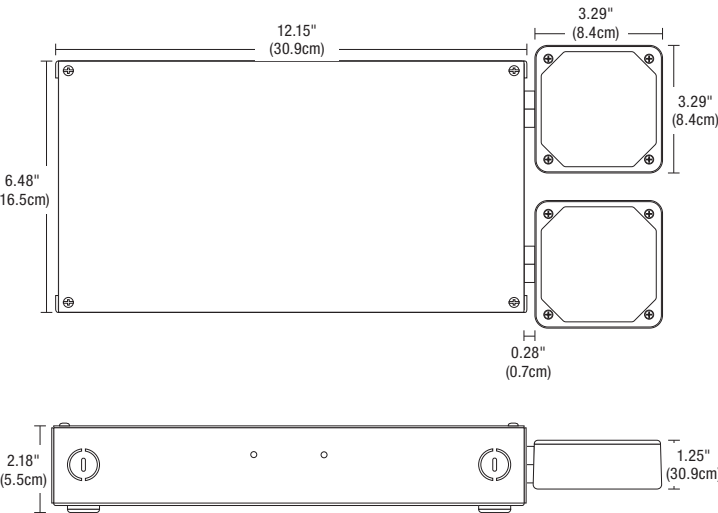
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## POWER SUPPLY DIMENSIONS & DIAGRAMS

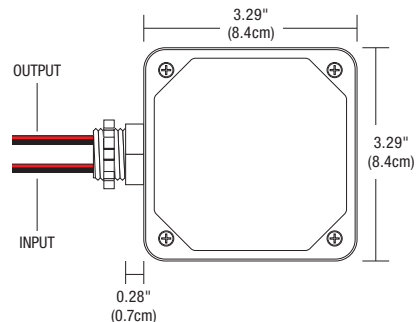
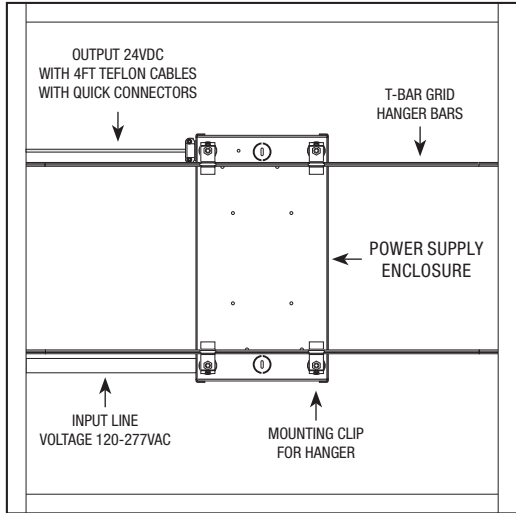
### 40W, 60W, 96W



### 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
<b>PSB</b>	<b>24VDC</b>	<b>TRIM</b>
PSB Power Supply with Enclosure Box	24VDC 24 Volt DC	TRIM Voltage Trim Box

PROJECT		FIXTURE TYPE		DATE	
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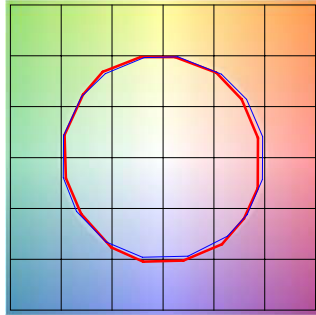
# CEILING TM30 DATA

## LED DOWN LIGHT 24VDC

**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

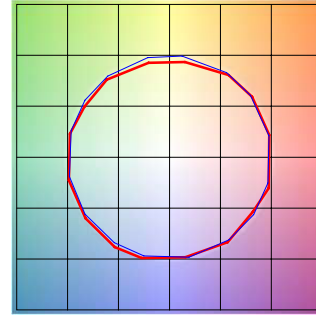


■ Test ■ Reference

		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

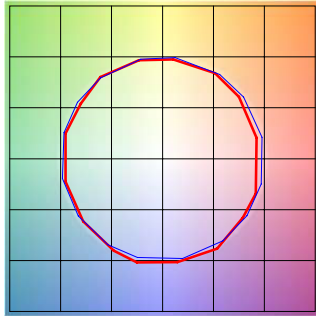


■ Test ■ Reference

		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

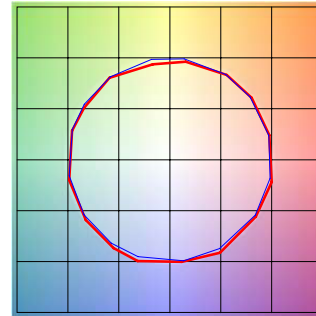


■ Test ■ Reference

		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

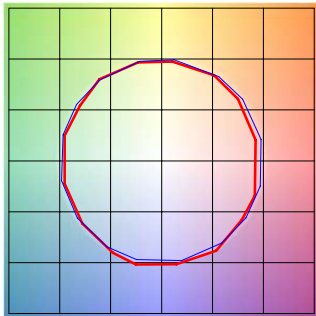


■ Test ■ Reference

		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



■ Test ■ Reference

		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	
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