

## SPECIFICATION SHEET



## APPLICATIONS

**VOLUMETRIC LED TROFFER** provides architectural aesthetics for healthcare, offices, retail, schools and other various commercial applications.

## SPECIFICATION FEATURES

### CONSTRUCTION

Simple construction with minimal parts allows for easy handling and installation. Low profile design optimizes shipping, storage, and handling. Luminaire features matte white durable finish. Integral T-Bar clips built into luminaire. Diffuser requires no additional frame or fastener for easy installation.

### ELECTRICAL

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped with luminaire quick-disconnect.

### OPTICAL SYSTEM

Reflector systems features highly reflective coating and delivers balanced, comfortable illuminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.

### INSTALLATION AND MOUNTING

Installs in most standard T-Bar ceiling grid systems. Flange kit available for hard-lid/drywall applications.

### CONTROLS AND DIMMING

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.

### CERTIFICATION AND WARRANTY

UL Listed. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium QPL. 7-year limited warranty.



Ordering Example: rAO-22-18-35-DIM-G4

Product Series: rAO

FORM FACTOR	WATTAGE	CCT	VOLTAGE	DIMMING	EMERGENCY BACKUP	GENERATION	CONTROLS
14= 1'x4' Volumetric LED Troffer - Center Diffuser	<u>1'x4' Fixture</u> 26= 26 Watts	35= 3500K 40= 4000K 50= 5000K	[Blank]= 120-277V	DIM= 0-10V Continuous Dimming	[Blank]= No Emergency Backup  EM07=700lm  EM14=1400lm	G3= Generation 3  G4= Generation 4	[Blank]= No Control  OSDL/BT= Wireless Bluetooth Occupancy Sensor  WLC/BT= Wireless Bluetooth Lighting Control Node
22= 2'x2' Volumetric LED Troffer - Center Diffuser	<u>2'x2' Fixture</u> 18= 18 Watt 25= 25 Watt 35= 35 Watt						
24= 2'x4' Volumetric LED Troffer - Center Diffuser	<u>2'x4' Fixture</u> 25= 25 Watt 34= 34 Watt 45= 45 Watt						

## TECHNICAL PARAMETERS

Fixture	rAO-14-26-xx-DIM-G3			rAO-22-18-xx-DIM-G4			rAO-22-25-xx-DIM-G4		
Input Voltage (AC)	120V-277V			120V-277V			120V-277V		
Input Frequency	50/60 Hz			50/60 Hz			50/60 Hz		
Rated Wattage	26W			18W			25W		
Delivered Lumens	-	3,250lm	3,276lm	2,268lm	2,286lm	2,304lm	3,150lm	3,175lm	3,200lm
Efficacy	-	125lm/W	126lm/W	126lm/W	127lm/W	128lm/W	126lm/W	127lm/W	128lm/W
CCT <sup>1</sup>	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
CRI	82+, R9 > 0								
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse								
Lifespan (Hours)	75,000								
L70 <sup>3</sup>	>72 Hours								
Power Factor	>0.9								
THD	<20%								
Dimming	0-10V Continuous (10-100%)								
Operating Temperature	-20°C to 50°C								

Fixture	rAO-22-35-xx-DIM-G4			rAO-24-25-xx-DIM-G4			rAO-24-34-xx-DIM-G4		
Input Voltage (AC)	120V-277V			120V-277V			120V-277V		
Input Frequency	50/60 Hz			50/60 Hz			50/60 Hz		
Rated Wattage	35W			25W			34W		
Delivered Lumens	4,375lm	4,410lm	4,445lm	3,150lm	3,175lm	3,200lm	4,284lm	4,318lm	4,352lm
Efficacy	125lm/W	126lm/W	127lm/W	126lm/W	127lm/W	128lm/W	126lm/W	127lm/W	128lm/W
CCT <sup>1</sup>	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
CRI	82+, R9 > 0								
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse								
Lifespan (Hours)	75,000								
L70 <sup>3</sup>	>72 Hours								
Power Factor	>0.9								
THD	<20%								
Dimming	0-10V Continuous (10-100%)								
Operating Temperature	-20°C to 50°C								

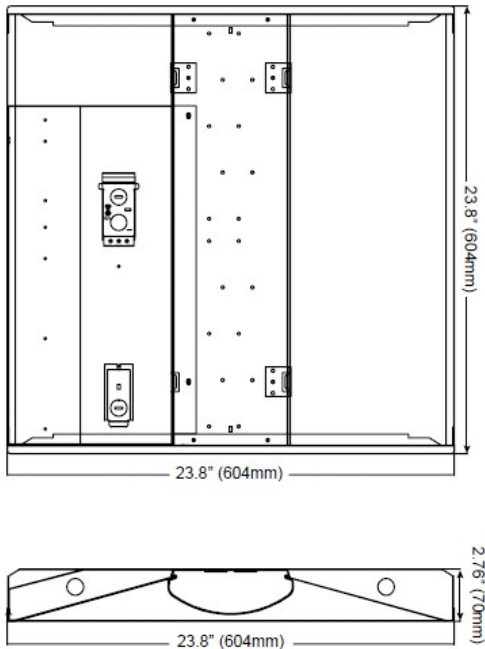
<b>Fixture</b>	<b>rAO-24-45-xx-DIM-G4</b>		
<b>Input Voltage (AC)</b>	120V-277V		
<b>Input Frequency</b>	50/60 Hz		
<b>Rated Wattage</b>	45W		
<b>Delivered Lumens</b>	5,670lm	5,715lm	5,760lm
<b>Efficacy</b>	126lm/W	127lm/W	128lm/W
<b>CCT<sup>1</sup></b>	3500K	4000K	5000K
<b>CRI</b>	82+, R9 > 0		
<b>Color Consistency<sup>2</sup></b>	5-step MacAdam Ellipse		
<b>Lifespan (Hours)</b>	75,000		
<b>L70<sup>3</sup></b>	>72 Hours		
<b>Power Factor</b>	>0.9		
<b>THD</b>	<20%		
<b>Dimming</b>	0-10V Continuous (10-100%)		
<b>Operating Temperature</b>	-20°C to 50°C		

**NOTES:**

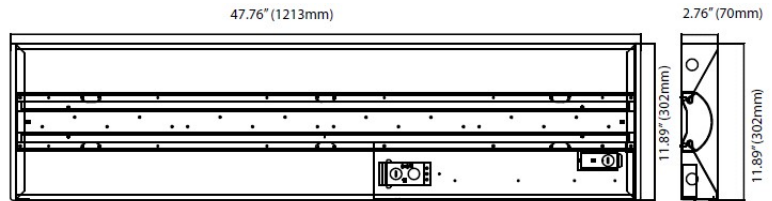
1. Quick ship: 4000K. Other CCTs may require a lead time or be special order
2. Typical color consistency. May vary or be changed.
3. L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers.

**PRODUCT DIMENSIONS**

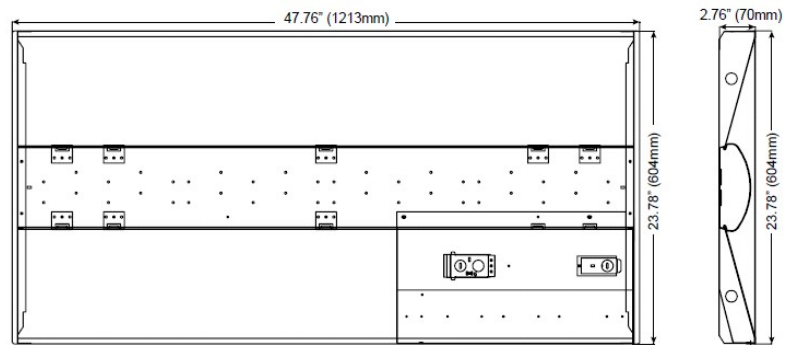
**VOLUMETRIC 2X2 TROFFER**



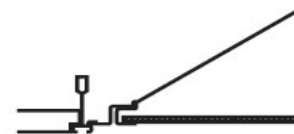
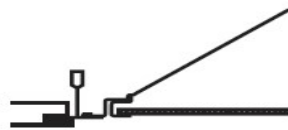
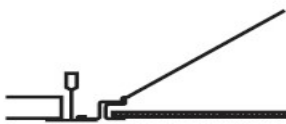
**VOLUMETRIC 1X4 TROFFER**



**VOLUMETRIC 2X4 TROFFER**



**MOUNTING INFORMATION**



**LAY-IN (Standard)**

**CONCEALED**

**SLOT GRID**

\* Fits 9/16, 15/16 and SS T-bar grid. Flange kit available upon request

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