BTA Series

Basket Troffer

GradeONE™

Product Overview

The BTA 1x4 basket troffer delivers flexible, OEM-ready performance for commercial lighting applications, such as offices, schools, and retail spaces. Offering field selectable lumen and CCT options, it allows the installer to customize light levels on-site to match project requirements. BTA is built with a durable powder coat steel housing, a high-quality frosted polycarbonate lens, and long-life LEDs rated up to 180,000 hours for reliable, consistent operation. 0-10V dimming and universal 120-277V voltage ensure maximum compatibility with modern control systems.



Key Features

Data is based on 4000K CCT setting.

Lumens:	3400 | 4100 | 4500
Wattage:	23 | 28 | 32
LPW:	144 | 141 | 137
Color Temperature:	3500K | 4000K | 5000K
CRI:	80
Optics | Beam Angle:	Wide
Light Source:	LED
Dimmable:	0-10V Dimming leads are available for use in the field

Voltage:	120-277V
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
Housing:	Steel
Finish:	White
Mounting Options:	Recessed Mounting
Lifespan:	180,000
Warranty:	5-Yr Limited Warranty
Ratings and Certifications:	cULus, Damp Location, FCC Part 15, Subpart B, Class A

Ordering Information

Refer to the ordering table to select the appropriate options for your application.

Example: BTA14S4LULSCTWH

SERIES	STANDARD SIZE	LUMENS	VOLTAGE	CCT	FINISH
BTA	**14S** 1x4	**4L** 4000 Lumens	**UL** 120-277V	**SCT** 3500K | 4000K | 5000K	**WH** White

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Performance Data

Luminaire Performance

PRODUCT	MEASUREMENTS	CRI	LOW LUMENS			MEDIUM LUMENS			HIGH LUMENS		
			3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
BTA14S	Lumens	80	3309	3444	3396	3930	4105	4028	4239	4345	4257
	Watt		24.76	23.9	24.68	30.15	28.92	30	33	32	33
	LPW		133.64	144.10	137.60	130.35	141.94	134.27	127	137	128

Electrical Performance

OPERATING TEMPERATURE RANGE	ESTIMATED L_{70} LIFETIME @ 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION	DIMMABLE	SURGE PROTECTION
-20°C to 50°C (-4°F to 122°F)	L70>180,000Hrs.	>0.9 at full load	<20% at full load	0-10V Dimming leads are available for use in the field	1kV

AMP Draw

	CCT	LOW LUMENS			MEDIUM LUMENS			HIGH LUMENS		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
BTA14S	3500K	0.21	0.10	0.09	0.25	0.13	0.11	0.28	0.14	0.12
	4000K	0.20	0.10	0.09	0.24	0.12	0.10	0.26	0.13	0.11
	5000K	0.21	0.10	0.09	0.25	0.13	0.11	0.28	0.14	0.12

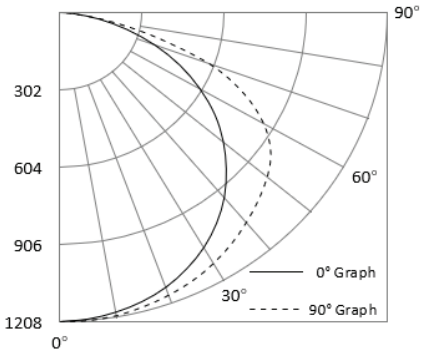
c UL us LISTED · SELECTABLE DIMMABLE · 120V-277V VOLTAGE · 80+ CRI · DAMP · FC · 5 YEAR WARRANTY

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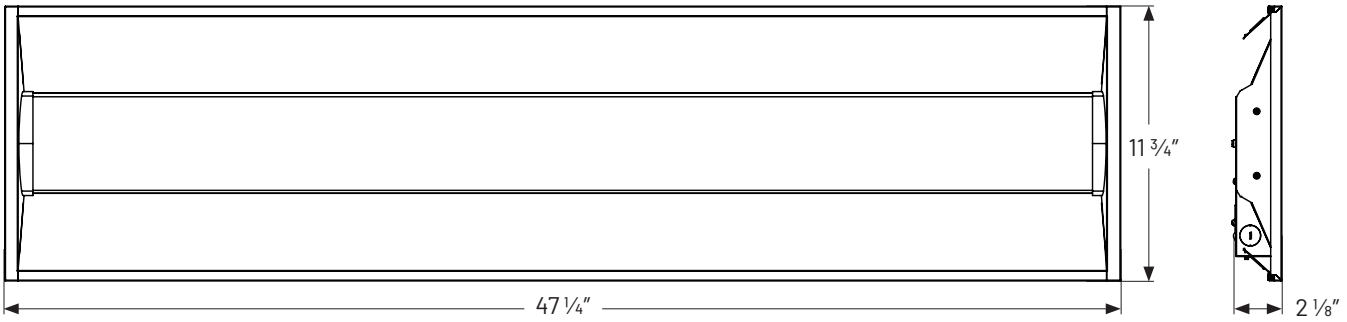
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Photometric Distribution

BTA14S



Line Drawings



Fixture Dimensions

SERIES	MOUNTING OPTIONS	RECOMMENDED MOUNTING HEIGHT	PRODUCT DIMENSIONS (L x W x H - FRACTIONS ROUNDED UP TO THE NEAREST 1/8")	PRODUCT WEIGHT (LBS.)
BTA14S	Recessed Mounting	7 to 12 Feet	47 ¼" L × 11 ¾" W × 2 ⅛" H	4.49

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