Represented By

DATE / /

Job Name

Job Number

Controllable Ballast

Model: CF-DA-UNV-332T8-W

Product Overview

The CF-DA-UNV-332T8-W can operate in industry-standard low voltage 0-10VDC or DALI control modes and electrical inputs of 120V and 277V. With a single product handling one, two or three 32W or 25W T8 lamps or two 17W T8 lamps, the Controllable Ballast's flexibility reduces stocking costs and installation mistakes.

The CF-DA-UNV-332T8-W Controllable Ballast's versatility makes it ideal for both office lighting and large-scale intelligent building applications, in retrofits or new construction.

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Product Features

Summary

- High ballast factor of 1.20 for brighter lamp range
- Single part number (SKU) handles two common voltages and three common lamp counts.
- Supports DALI and 1-10V control
- Lamp monitoring and remote diagnostics capability
- Direct connect with occupancy and photo sensors
- Provides 50-70% energy cost-savings when used with Fulham controls
- Program start with patent pending heater controls
- Less than 10% THD
- 100% fail-safe (full light output on control disconnect)

Technology

Fulham's Controllable Ballast family features microprocessor technology that provides more performance with less cost, offering a dimming electronic light driver with industry-leading features at a competetive price.

Diagnostics

With DALI control, each CF-DA-UNV-332T8-W Controllable Ballast provides advanced lamp diagnostics to help troubleshoot wiring problems and lamp failures, easing installation, maintenance and operations.

Compatibility

Specification, purchasing and installation is simplified becase the CF-DA-UNV-332T8-W Controllable Ballast works with many 0-10VDC and DALI controls, at line voltages of 120 and 277VAC, and with one to three 32 watt or two to three 25 watt or two 17 watt linear fluorescent T8 lamps, providing smooth dimming to 10% power.

Electrical Data

Input Voltages	120 - 277VAC, ± 10%
Input Freqency	50/60Hz
THD	< 10% @ full output
Power Factor	> 92% @ full output
Starting Method	Program Start
Circuit Type	Series Sequential
Lamp Frequency	> 50 kHz
Lamp CCF	< 1.5
Min. Operating Temperature	10ºC (50ºF)
Max. Operating Temperature	90ºC (194ºF)
Starting Time	1 sec to full output, 2.5 sec to set dim level at power on
100% fail-safe	full light output on control disconnect, auto-shutdown on ballast failure
Certifications	UL Class P, Indoor, FCC 47CFR Part 18 (Non-consumer) [illegible] [illegible]

FULHAM LIGHTINGCONTROLS™

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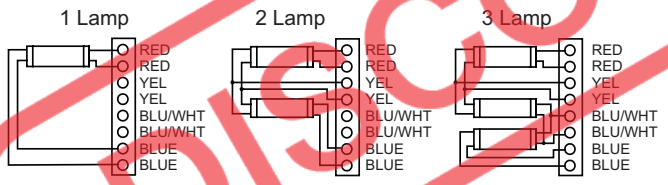
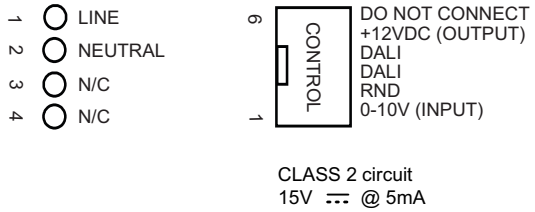
Lamp Data

Part Number	Lamp Type	# of Lamps	Ballast Factor	Input Current (A) [120/277 VAC]	Power Input [120/ 277 VAC]	Initial Lumens @BF=1	Light Output (lm)	System Efficacy (lm/W) [120/277 VAC]	Power Factor (full output) [120/277 VAC]
CF-DA-UNV-332T8-W	F32T8	1	1.2	.33 / .16	40 / 40	3,540	3,600	88 / 88	.99 / .92
		2	1.2	.63 / .28	76 / 75	7,080	7,200	94 / 94	.99 / .97
		3	1.2	.95 / .41	113 / 112	10,620	10,800	94 / 95	.99 / .99
	F25T8	1	1.2	.28 / .12	34 / 33	2,760	3,600	82 / 84	.99 / .96
		2	1.2	.50 / .22	63 / 62	5,520	7,200	88 / 89	.99 / .97
		3	1.2	.77 / .33	92 / 91	8,280	10,800	90 / 91	.99 / .99
	F17T8	2	1.2	.34 / .14	41 / 40	3,540	3,300	86 / 89	.99 / .93

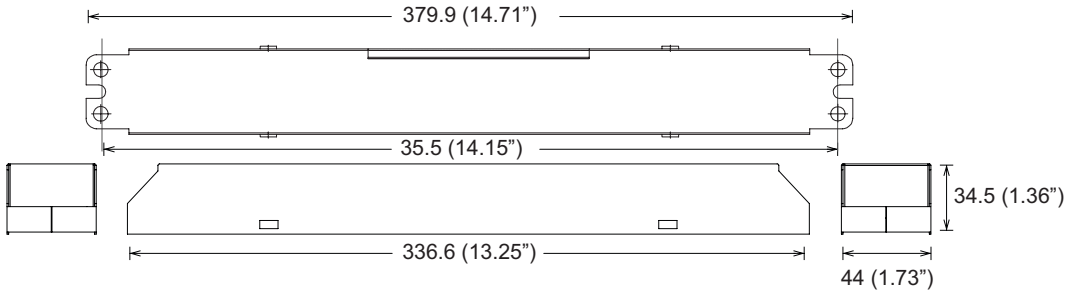
Wiring Diagrams



Power and Control Line



Mechanical Data



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 5 years from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham product catalog (www.fulham.com)
Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.