Centium®

with IntelliVolt® for F40T8, F32T8, F25T8, and F17T8 Lamps
Including Energy Saving Lamps F30T8/ES, F28T8/ES and F25T8/ES

Instant Start Low Profile Ballasts for T8 Lamps

PRODUCT OVERVIEW:

Advance introduces a complete family of Low Profile, T8 Centium® ballasts incorporating IntelliVolt® technology. IntelliVolt permits inventory and SKU reduction throughout the supply chain, since the same ballast can operate on any system voltage from 120 to 277 volts, AC/DC 50/60Hz.

These IntelliVolt ballasts are featured in our industry standard small housing package. These low profile, light-weight units are ideal for the new generation of low profile fixtures. The ballasts have the same wiring configuration and mounting dimensions as standard size ballasts, and are therefore ideally suited for retrofits into existing fixtures.

DESIGN HIGHLIGHTS:

- IntelliVolt® technology (120-277V, AC/DC 50/60Hz)
  - ❍ Ensures shipment of correct voltage ballast or fixture for each application
  - ❍ Reduces SKU's required in inventory
- Instant Start lamp ignition
  - ❍ Consumes less energy than Rapid Start ballasts
- 0°F starting capability for standard lamps
  - ❍ Suitable for cold temperature applications
- <10% THD (>0.99 PF)
  - ❍ Meets most demanding power quality requirements
  - ❍ Perfect for applications where harmonics are a concern
- Industry standard low profile small housing
  - ❍ Promotes flexibility in fixture designs
  - ❍ Facilitates shipping, handling and installation
  - ❍ Physically interchangeable with standard electromagnetic and electronic ballasts
- Paralleled wired lamps
  - ❍ Independent lamp operation
  - ❍ Other lamps continue to operate when one fails

APPLICATIONS:

- ***General Lighting***
- ***Board Rooms***
- ***Executive Offices***
- ***Conference Rooms***
- ***Meeting Rooms***

Tel: 800-322-2086 • Fax: 888-423-1882 • Customer Support/Technical Service: 800-372-3331 •
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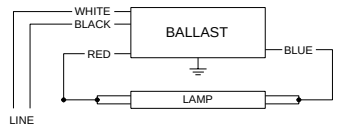
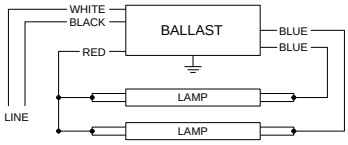
Lamp Data		Min. Start Temp. (F/C)	Input Volts	Catalog Number	Certifications		Line Current (Amps)	Input Power ANSI (Watts)	Ballast Factor	Max. THD %	Power Factor %	Dim.	Wiring Diagram
No.	Watts												
F17T8, FBO17T8													
1	17	0/-18	120	ICN-1P32-SC	UL	CSA	0.16	19	0.93	15	0.96	A	1
			230				0.08						
			277				0.07						
			120	ICN-2P32-SC			0.18	22	1.07	15	0.95	A	1
			230				0.10						
			277				0.09						
2	17	0/-18	120	ICN-2P32-SC	UL	CSA	0.28	33	0.93	15	0.97	A	2
			230				0.14						
			277				0.13						
			120	ICN-3P32-SC			0.32	38	1.07	15	0.96	A	2
			230				0.17						
			277				0.14						
3	17	0/-18	120	ICN-3P32-SC	UL	CSA	0.39	48	0.92	15	0.97	A	3
			230				0.21						
			277				0.17						
			120	ICN-4P32-SC			0.45	53	1.04	15	0.97	A	3
			230				0.23						
			277				0.20						
4	17	0/-18	120	ICN-4P32-SC	UL	CSA	0.54	64	0.93	10	0.98	A	4
			230				0.28						
			277				0.23						
F25T8, FBO25T8													
1	25	0/-18	120	ICN-1P32-SC	UL	CSA	0.22	26	0.91	10	0.98	A	1
			230				0.11						
			277				0.10						
			120	ICN-2P32-SC			0.24	29	1.06	15	0.97	A	1
			230				0.13						
			277				0.11						
2	25	0/-18	120	ICN-2P32-SC	UL	CSA	0.40	48	0.91	10	0.98	A	2
			230				0.21						
			277				0.18						
			120	ICN-3P32-SC			0.43	51	1.03	15	0.97	A	2
			230				0.22						
			277				0.19						
3	25	0/-18	120	ICN-3P32-SC	UL	CSA	0.56	67	0.90	10	0.98	A	3
			230				0.29						
			277				0.24						
			120	ICN-4P32-SC			0.62	74	1.01	10	0.99	A	3
			230				0.32						
			277				0.27						
4	25	0/-18	120	ICN-4P32-SC	UL	CSA	0.74	89	0.91	10	0.99	A	4
			230				0.39						
			277				0.32						

Lamp Data		Min. Start Temp. (F/C)	Input Volts	Catalog Number	Certifications		Line Current (Amps)	Input Power ANSI (Watts)	Ballast Factor	Max. THD %	Power Factor %	Dim.	Wiring Diagram
No.	Watts												
F32T8, FBO32T8, FB32T8/U6													
1	32	0/-18	120	ICN-1P32-SC	UL	CSA	0.26	31	0.90	10	0.98	A	1
			230				0.13						
			277				0.12						
			120	ICN-2P32-SC			0.30	36	1.03	15	0.97	A	1
			230				0.16						
			277				0.14						
2	32	0/-18	120	ICN-2P32-SC	UL	CSA	0.49	59	0.88	10	0.98	A	2
			230				0.26						
			277				0.22						
			120	ICN-3P32-SC			0.54	65	1.01	10	0.98	A	2
			230				0.28						
			277				0.24						
3	32	0/-18	120	ICN-3P32-SC	UL	CSA	0.71	85	0.88	10	0.99	A	3
			230				0.37						
			277				0.31						
			120	ICN-4P32-SC			0.78	93	1.00	10	0.99	A	3
			230				0.40						
			277				0.33						
4	32	0/-18	120	ICN-4P32-SC	UL	CSA	0.94	112	0.88	10	0.99	A	4
			230				0.49						
			277				0.41						
F40T8													
1	40	32/0	120	ICN-2P32-SC	UL	CSA	0.35	42	1.00	10	0.98	A	1
			230				0.18						
			277				0.15						
2	40	32/0	120	ICN-3P32-SC	UL	CSA	0.65	77	1.00	10	0.98	A	2
			230				0.33						
			277				0.28						
3	40	32/0	120	ICN-4P32-SC	UL	CSA	0.94	112	0.97	10	0.99	A	3
			230				0.49						
			277				0.40						

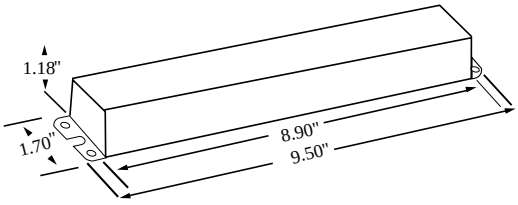
Wiring Diagrams / Dimensions



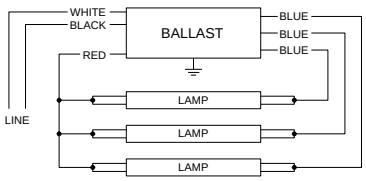
1-LAMP BALLAST



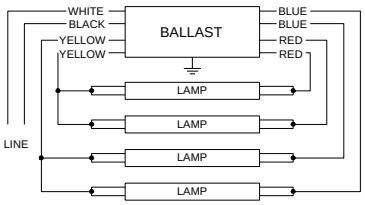
2-LAMP BALLAST



Dim. A



3-LAMP BALLAST



4-LAMP BALLAST

Centium

BALLAST SPECIFICATIONS

Section I - Physical Characteristics

1.1 The electronic ballast shall be physically interchangeable with standard electromagnetic and standard electronic ballasts.

1.2 The electronic ballast shall have a maximum height of 1.18 in. and maximum weight of 1.8 lbs.

1.3 The electronic ballast shall be furnished with integral leads, color-coded to ANSI C82.11.

Section II - Performance Requirements

2.1 Ballast shall operate from 50/60 Hz input source of 120 through 277V AC/DC with sustained variations of +/- 10% (voltage and frequency with no damage to the ballast).

2.2 The electronic ballast input current shall have Total Harmonic Distortion (THD) of less than 10% when used with primary lamp.

2.3 The electronic ballast shall have a Power Factor greater than 98% when used with primary lamp.

2.4 The electronic ballast shall withstand a sustained short to ground or open circuit of any output leads.

2.5 Ballast shall have a Class A sound rating.

2.6 The electronic ballast output frequency to the lamps shall be above 40kHz to minimize interference with infrared control systems and eliminate visible flicker.

2.7 The electronic ballast shall meet ANSI C82.11.

2.8 The electronic ballast shall withstand transients specified in ANSI C62.41, Location Category A3.

2.9 The electronic ballast shall be Instant Start with independent lamp operation.

2.10 The electronic ballast shall have a Lamp Current Crest Factor of <1.7.

Section III - Regulatory Requirements

3.1 The electronic ballast shall meet the requirements of the Federal Communications Commission rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.

3.2 The electronic ballast shall comply with all applicable state and federal efficiency standards.

3.3 The electronic ballast shall be Underwriters Laboratories (UL) Listed (Class P) and Canadian Standards Association (CSA) Certified, where applicable.

Section IV - Other

4.1 The electronic ballast shall be produced in a factory certified to ISO 9002 Quality System Standards.

4.2 The electronic ballast shall carry a five-year warranty from the date of manufacture. Warranty shall be valid for a maximum case temperature of 70°C.

4.3 The manufacturer shall have a fifteen-year history of producing electronic ballasts for the North American market.

ADVANCE

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