

DEMANDflex® Ballasts

ENERGY EFFICIENT DEMAND CONTROL LIGHTING

Applications:
 Office Buildings
 Warehouse Facilities
 Schools
 Health Care
 Retail

DEMANDflex®

DEMANDflex® ballasts are high efficiency program start ballasts which can be tuned during initial installation. When combined with **DCL®** controls, they form the most cost-effective lighting energy management system available.

Install **DEMANDflex®** ballasts today to achieve immediate energy savings. Add **DCL®** controls, now or later, to further decrease your energy costs.

FEATURES & BENEFITS

- Power level tuning
 - Set the circuit power level at installation
 - Typical 10 to 15% power reduction
- Installs the same as standard ballasts
 - No control wires necessary
 - Standard footprint
- Universal input voltage (120-277V)
- High efficiency program start operation
 - Exceeds CEE requirements
 - Compatible with occupancy sensors



Why DEMANDflex® ? Why Now?

The **DEMANDflex®** ballast technology provides two distinct cost savings opportunities, one with an immediate effect and the other offering further energy savings at a later date.

Energy Savings Opportunity #1 – Ballast Factor tuning.

Tuning allows optimization of light levels for maximum baseline energy savings. Once tuned, **DEMANDflex®** ballasts will operate at the selected level indefinitely; no further control is required. Ballasts can be re-tuned if lighting requirements change. **DEMANDflex®** program start ballasts are also compatible with occupancy sensors.

3-Lamp Fixture Savings Example

Ballast Type	Lamp Type	Input Power	Annual Operating Costs	Annual Savings Over Magnetic	Occupancy Sensor Savings	Potential Total Savings per Fixture Over Magnetic
Magnetic Ballast	F34T12	118	\$47.20	–	–	–
Instant Start Electronic	F32T8	86	\$34.40	\$12.80	n/a	\$12.80
DEMANDflex® No Tuning	F32T8	85	\$34.00	\$13.20	\$5.16	\$18.36
DEMANDflex® Tuned 15%	F32T8	73	\$29.20	\$18.00	\$4.38	\$22.38
\$0.10 Utility Rate (\$/kwh)		4,000 Annual Operating Hours		15% Occupancy Sensor Savings		

Tuning the power level of the **DEMANDflex®** ballast to the amount needed by the application maximizes energy savings

Occupancy sensors can reduce energy consumption from 10 to 40% depending on the application.

DEMANDflex® program start technology maintains lamp life with occupancy sensor applications for maximum system savings and performance.

Energy Savings Opportunity #2 – Universal Lighting Technologies DCL® control system

This simple addition can be made at any time and will allow the facility to take full advantage of Utility sponsored Demand Response Programs and/or allow control of your lighting to avoid peak demand charges.

With payback periods comparable with other high efficiency program start ballasts and the superior savings per fixture, **DEMANDflex®** is the ideal choice for your new fixture/retrofit needs. Increased savings today and the ability to participate in Demand Response Programs and full building control by simply adding the **DCL®** control system – No other ballast system offers you this cost savings flexibility.

DEMANDflex® Ballasts

		Max. Power (Watts)		Max. Current (Amps)		Ballast Factor (Max)	Min. Power (Watts)		Ballast Factor (Min.)	Case Style	Wiring Diagram
		120	277	120	277		120	277			
T8											
(2) F32T8	B232PUNVDRL-A	47	47	.40	.17	0.71	24	24	0.19	A	2a
(2) F32T8	B232PUNVDR-A	57	56	.47	.20	0.87	28	28	0.35	A	2a
(2) F32T8	B232PUNVDRH-A	75	73	.62	.26	1.15	37	36	0.50	A	2a
(3) F32T8	B332PUNVDRL-A	72	72	.59	.25	0.71	36	36	0.22	A	3a
(3) F32T8	B332PUNVDR-A	85	83	.70	.30	0.87	42	41	0.35	A	3a
(3) F32T8	B332PUNVDRH-E	115	111	.95	.41	1.15	57	55	0.50	E	3b
(4) F32T8	B432PUNVDRL-E	93	93	.78	.34	0.71	47	47	0.21	E	4a
(4) F32T8	B432PUNVDRE	116	112	.96	.41	0.88	58	56	0.35	E	4a

T5HO

(2) F54T5HO	B254PUNVDR-D	120	120	1.00	.43	1.00	60	60	0.45	D	2b
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T5

(2) F28T5	B228PUNVDRH-D	74	72	.62	.26	1.15	36	36	.48	D	2b
(1) F28T5	B128PUNVDRH-D	37	37	.32	.14	1.15	19	19	.38	D	1a

Dimensions (inches)

Case Style	Length	Width	Height	Mount Length
A	9.50	1.70	1.18	8.89
D	16.88	1.18	1.00	16.20
E	16.88	1.74	1.18	16.28



WIRING DIAGRAMS

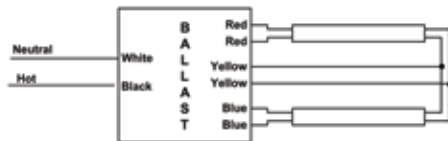


Diagram 2a

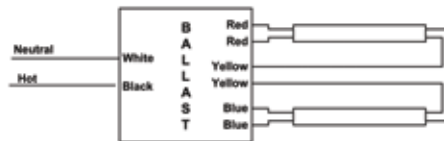


Diagram 2b

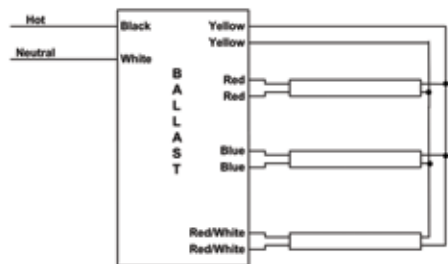


Diagram 3a

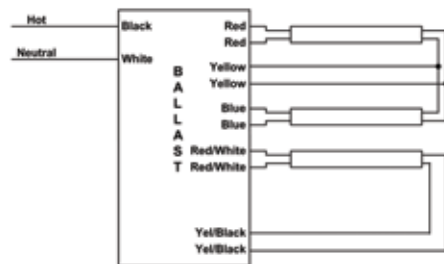


Diagram 3b

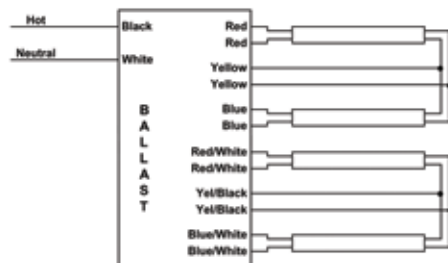


Diagram 4a

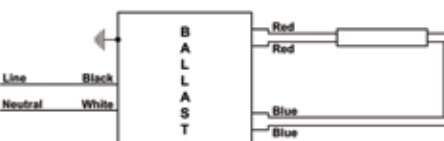


Diagram 1a

IT'S EASY TO REACH US...



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All specification information is subject to change without notification.

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