Ballast Code Options

Fluorescent 2', 3' and 4' Lengths

Example of Voltage and Ballast Code fields to be populated within Fixture specification sheet.

T8

Voltage	Ballast Type
120 = 120v **277** = 277v **UNV** = 120-277v	**Ballast Code**

Ballast Code	Ballast Lamp Capacity	Type	Ballast Factor†	Available wattages	Voltage	Ballast Designation
A3	1-3 Lamp	Program Rapid Start	0.71	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-3S32-LW-SC)
A4	1-4 Lamp	Program Rapid Start	0.71	17, 25, 28,30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-4S32-LW-SC)
A5‡	1 or 2 Lamp	Instant Start	0.77	17, 25,28, 30 & 32	UNV	Advance Electronic Optanium IOPA Low Watt (IOPA-1P32-LW-SC / IOPA-2P32-LW-SC)
A6	1-3 Lamp	Instant Start	0.77	25, 28, 30 & 32	UNV	Advance Electronic Optanium IOPA Low Watt (IOPA-3P32-LW-SC)
A7	1-4 Lamp	Instant Start	0.77	25, 28, 30 & 32	UNV	Advance Electronic Optanium IOPA Low Watt (IOPA-4P32-LW-SC)
C2‡	1 or 2 Lamps	Instant Start	0.87	25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-1P32-SC / IOP-2P32-SC)
C3	1-3 Lamp	Instant Start	0.87	25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-3P32-SC)
C4	1-4 Lamp	Instant Start	0.87	25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-4P32-SC)
C5‡	1 or 2 Lamp	Instant Start	0.77	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-1P32-LW-SC / IOP-2P32-LW-SC)
C6	1-3 Lamp	Instant Start	0.77	25, 28, 30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-3P32-LW-SC)
C7	1-4 Lamp	Instant Start	0.77	25, 28, 30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-4P32-LW-SC)
C8	1-3 Lamp	Program Rapid Start	0.88	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-3S32-SC)
C9	1-4 Lamp	Program Rapid Start	0.88	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-4S32-SC)
CA‡	1 or 2 Lamp	Instant Start	0.92	17, 25, 28, 30 & 32	UNV	Advance Electronic Centium (ICN-1P32-N / ICN-2P32-N)
CG	1 or 2 Lamp	Program Rapid Start	0.88	25, 28, 30 & 32	UNV	Advance Electronic Optanium (IOP-1S32-SC / IOP-2S32-SC)
CI	1-3 Lamp	Instant Start	0.88	25, 28, 30 & 32	UNV	Advance Electronic Centium (ICN-3P32-SC)
CJ	1-4 Lamp	Instant Start	0.88/0.89	28, 30 & 32	UNV	Advance Electronic Centium (ICN-4P32-SC)
CK‡	1 or 2 Lamp	Program Rapid Start	0.72	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium Low Watt (IOP-1S32-LW-SC / IOP-2S32-LW-SC)

All THD levels are <10%
All Advanced ballasts are CEE qualified
* Generic Electronic Ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
† Ballast factor based on 4' length lamps.
‡ Ballast Code signifies use of a single ballast in a 1 or 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

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Ballast Code Options

Fluorescent 2', 3' and 4' Lengths

Example of Voltage and Ballast Code fields to be populated within Fixture specification sheet.

T8
(continued)

Voltage	Ballast Type
120 = 120v **277** = 277v **UNV** = 120-277v	**Ballast Code**

Ballast Code	Ballast Lamp Capacity	Type	Ballast Factor†	Available wattages	Voltage	Ballast Designation
CO‡	1 or 2 Lamps	Instant Start	1.18	17, 25, 28, 30 & 32	UNV	Advance Electronic Optanium High Lite Output (IOP-1P32-HL-SC / IOP-2P32-HL-SC)
H3	1-3 Lamp	Instant Start	0.88	25, 28, 30 & 32	UNV	Generic Electronic*
H4	1-4 Lamp	Instant Start	0.88	25, 28, 30 & 32	UNV	Generic Electronic*
H5	1-2 Lamp & 1-4 Lamp	Instant Start	0.88	17, 25, 28, 30 & 32	UNV	Generic Electronic*
H6	2-3 Lamp	Instant Start	0.88	25, 28, 30 & 32	UNV	Generic Electronic*
HI‡	1 or 2 Lamp	Instant Start	0.88	25, 28, 30 & 32	UNV	Generic Electronic*
L3	1-3 Lamp	Instant Start	0.77	17, 25, 28, 30 & 32	UNV	Generic Electronic* Low Watt
L4	1-4 Lamp	Instant Start	0.77	17, 25, 28, 30 & 32	UNV	Generic Electronic* Low Watt
LW‡	1 or 2 Lamp	Instant Start	0.77	17, 25, 28, 30 & 32	UNV	Generic Electronic* Low Watt
M4	1-4 Lamp	Program Start	0.88	25 & 32	UNV	Advance Electronic Mark VII Dimming (IZT-4S32)
M7‡	1 or 2 Lamp	Program Start	1.00	17, 25 & 32	UNV	Advance Electronic Mark VII Dimming (IZT-132-SC / IZT-2S32-SC)
M8	1-3 Lamp	Program Start	1.00	17, 25 & 32	UNV	Advance Electronic Mark VII Dimming (IZT-3S32-SC)
MY	1-3 Lamp	Program Start	1.05	17, 25 & 32	120 or 277	Advance Electronic Mark X Dimming (REZ-3S32-SC *120v* / VEZ-3S32-SC *277v*)
P2‡	1 or 2 Lamp	Program Start	0.88	25, 28, 30 & 32	UNV	Generic Electronic*
P3	1-3 Lamp	Program Start	0.88	17, 25, 28, 30 & 32	UNV	Generic Electronic*
P4	1-4 Lamp	Program Start	0.88	17, 25, 28, 30 & 32	UNV	Generic Electronic*
PS‡	1 or 2 Lamp	Program Start	0.98	17, 25 & 32	UNV	Lightolier Electronic Dimming
PW	1-3 Lamp	Program Start	0.98	17, 25 & 32	UNV	Lightolier Electronic Dimming
PX	1-4 Lamp	Program Start	0.98	25 & 32	UNV	Lightolier Electronic Dimming
V2‡	1 or 2 Lamp	Program Rapid Start	0.95	17, 25 & 32	UNV	Generic Electronic Step Dimming*

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All Advanced ballasts are CEE qualified
* Generic Electronic Ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
† Ballast factor based on 4' length lamps.
‡ Ballast Code signifies use of a single ballast in a 1 or 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

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Ballast Code Options

Fluorescent 2', 3' and 4' Lengths

T5

Example of Voltage and Ballast Code fields to be populated within Fixture specification sheet.

Voltage	Ballast Type
120 = 120v **277** = 277v **UNV** = 120-277v	**Ballast Code**

Ballast Code	Ballast Lamp Capacity	Type	Ballast Factor†	Available wattages	Voltage	Ballast Designation
AY	2 lamp	Program Start	0.95	25 & 28	UNV	Advance Electronic Optanium Step Dimming (IOP-2S2895SCSD)
CT‡	1 or 2 Lamp	Program Start	1.00 - 1.03†	14, 21, 25, 28 & 35	UNV	Advance Electronic Centium IntelliVolt (ICN-1S28 / ICN-2S28)
CT‡	1 or 2 Lamp	Program Start	1.00 - 1.03†	54	UNV	Advance Electronic Centium IntelliVolt (ICN-2S54)
CY	1-3 Lamp	Program Rapid Start	1.00	54	UNV	Advance Electronic Centium (ICN4S5490C2LSG)
CZ	1-4 Lamp	Program Rapid Start	1.00	54	UNV	Advance Electronic Centium (ICN4S5490C2LSG)
MW‡	1 or 2 Lamp	Program Start	1.00 / 0.03	14, 21, 25 & 28	120 or 277	Advance Electronic Mark VII Dimming (IZT-128-D / IZT-2S28-D)
MZ‡	1 or 2 Lamp	Program Start	1.00 / 0.05†	24 & 54	120 or 277	Advance Electronic Mark X Dimming (REZ-154 / REZ-254 *120v*) (VEZ-154 / VEZ-254 *277v*)
P5	1-3 Lamp	Program Start	1.00	54	UNV	Generic Electronic* 90°C
P9‡	1 or 2 Lamp	Program Start	1.00	14, 21, 25 & 28	UNV	Generic Electronic* 90°C
PF‡	1 or 2 Lamp	Program Start	1.0 - 1.05†	14, 21, 25 & 28	UNV	Lightolier Electronic Dimming
PG‡	1 or 2 Lamp	Program Start	1.0 - 1.05†	14, 21, 25, 28 & 35	UNV	Generic Electronic*
PU	1-3 Lamp	Program Start	1.00	54	UNV	Generic Electronic*
PV	1-4 Lamp	Program Start	1.00	54	UNV	Generic Electronic* 90°C
VY	2 lamp	Program Rapid Start	0.95	14 & 24	UNV	Generic Electronic Step Dimming*
VZ	1 or 2 lamp	Program Rapid Start	1.15	14 & 28	UNV	Generic Electronic Step Dimming*
WA‡	1 or 2 Lamp	Instant Start	0.93	28	120 or 277	Generic Electronic*
WW‡	1 or 2 Lamp	Program Start	0.95	28	UNV	Generic Electronic*
WX‡	1 or 2 Lamp	Program Start	1.15	28	UNV	Generic Electronic*

All THD levels are <10%
* Generic Electronic Ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
† Ballast factor based on 4' length lamps.
‡ Ballast Code signifies use of a single ballast in a 1 or 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

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Ballast Code Options

Fluorescent 22-1/2" Length

Example of Voltage and Ballast Code fields to be populated within Fixture specification sheet.

TT5

Voltage	Ballast Type
120 = 120v **277** = 277v **UNV** = 120-277v	**Ballast Code**

Ballast Code	Ballast Lamp Capacity	Type	Ballast Factor†	Available wattages	Voltage	Ballast Designation
B3	1-3 Lamp	Rapid Start	1.00	40	120 or 277	Generic Electronic*
BA‡	1 or 2 Lamp	Rapid Start	1.00	18	UNV	Generic Electronic*
BB‡	1 or 2 Lamp	Rapid Start	0.95	24	UNV	Generic Electronic*
BF‡	1 or 2 Lamp	Program Start	1.00	55	UNV	Generic Electronic*
BP‡	1 or 2 Lamp	Program Rapid Start	0.98	50	UNV	Generic Electronic*
CD‡	1 or 2 Lamp	Instant Start	0.88	25 & 40	UNV	Advance Electronic Centium (ICN-1TTP40-SC / ICN-2TTP40-SC)
CE	1-3 Lamp	Instant Start	0.88	25 & 40	UNV	Advance Electronic Centium (ICN-3TTP40-SC)
CF	1 Lamp	Program Start	0.95	40	UNV	Advance Electronic Smartmate (ICN-2S24)
CT‡	1 or 2 Lamp	Program Start	1.10	50 & 55	UNV	Advance Electronic Centium (ICN-2S54)
CY	1-3 Lamp	Program Rapid Start	1.10	50 & 55	UNV	Advance Electronic Centium (ICN4S5490C2LSG)
CZ	1-4 Lamp	Program Rapid Start	1.10	50 & 55	UNV	Advance Electronic Centium (ICN4S5490C2LSG)
I3	1-3 Lamp	Instant Start	0.88	40	UNV	Generic Electronic*
IB‡	1 or 2 Lamp	Instant Start	0.88	40	UNV	Generic Electronic*
M7	1-2 Lamp	Program Start	1.00 / 0.03	40	UNV	Advance Electronic Mark VII Dimming (IZT-2TTS40-SC)
MW‡	1 or 2 Lamp	Program Start	0.90 / 0.03	55	120 or 277	Advance Electronic Mark VII Dimming (REZ-154 / RZT-2S54 *120v*) (VEZ-154 / VZT-2S54 *277v*)

All THD levels are <10%
* Generic Electronic Ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
† Ballast factor based on 4' length lamps.
‡ Ballast Code signifies use of a single ballast in a 1 or 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

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Ballast Code Options

Fluorescent 22-1/2" Length

Example of Voltage and Ballast Code fields to be populated within Fixture specification sheet.

TT5
(continued)

Voltage	Ballast Type
120 = 120v **277** = 277v **UNV** = 120-277v	**Ballast Code**

Ballast Code	Ballast Lamp Capacity	Type	Ballast Factor†	Available wattages	Voltage	Ballast Designation
MX‡	1 or 2 Lamp	Program Start	1.00 / 0.05	40	120 or 277	Advance Electronic Mark X Dimming (REZ-1TTS40 / REZ-2TTS40-SC *120v*) (VEZ-1TTS40 / VEZ-2TTS40-SC *277v*)
MZ‡	1 or 2 Lamp	Program Start	0.90 / 0.05	55	120 or 277	Advance Electronic Mark X Dimming (REZ-154 / REZ-2S54 *120v*) (VEZ-154 / VEZ-2S54 *277v*)
P9‡	1 or 2 Lamp	Program Start	1.00	55	UNV	Generic Electronic* 90°C
PB‡	1 or 2 Lamp	Program Start	0.95	40	UNV	Lightolier Electronic Dimming
PC‡	1 or 2 Lamp	Program Start	0.90	55	UNV	Lightolier Electronic Dimming
PR‡	1 or 2 Lamp	Program Rapid Start	1.00	40	UNV	Generic Electronic*
SB‡	1 or 2 Lamp	Instant Start	1.00	40	120 or 277	Generic Electronic*
X3	1-3 Lamp	Instant Start	0.88	40	120 or 277	Generic Electronic*

All THD levels are <10%
* Generic Electronic Ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
† Ballast factor based on 4' length lamps.
‡ Ballast Code signifies use of a single ballast in a 1 or 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

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FL_Ballast_Code_Listing February 6, 2012