

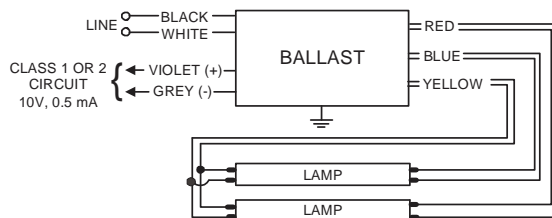
PHILIPS ADVANCE

Electrical Specifications

| | |
|--------------------------|---------------------------|
| IZT2PSP32SC @ 120 | |
| Brand Name | MARK 7 0-10V |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Parallel |
| Input Voltage | 120-277 |
| Input Frequency | 50/60 HZ |
| Status | Active |

| Lamp Type | Num. of Lamps | Rated Lamp Watts | Min. Start Temp (°F/°C) | Input Current (Amps) | Input Power (Watts) (min/max) | Ballast Factor (min/max) | MAX THD % | Power Factor | Lamp Current Crest Factor | B.E.F. |
|----------------|---------------|------------------|-------------------------|----------------------|-------------------------------|--------------------------|-----------|--------------|---------------------------|--------|
| F17T8 | 2 | 17 | 50/10 | 0.28 | 10/35 | 0.03/1.01 | 10 | 0.99 | 1.7 | 2.89 |
| F25T8 | 2 | 25 | 50/10 | 0.41 | 10/51 | 0.03/0.98 | 10 | 0.99 | 1.7 | 1.92 |
| * F32T8 | 2 | 32 | 50/10 | 0.54 | 11/67 | 0.03/1.00 | 10 | 0.99 | 1.7 | 1.49 |
| F32T8/ES (28W) | 2 | 28 | 60/16 | 0.47 | 11/56 | 0.03/1.00 | 10 | 0.99 | 1.7 | 1.79 |

Wiring Diagram



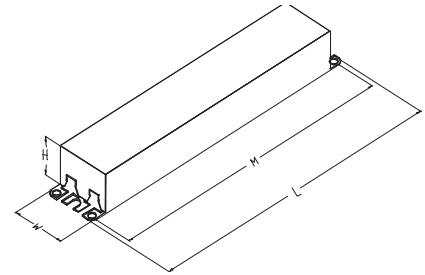
Diag. 56A

The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

| | in. | cm. | | in. | cm. |
|--------|-----|-------|--------------|-----|-----|
| Black | 25 | 63.5 | Yellow/Blue | | 0 |
| White | 25 | 63.5 | Blue/White | | 0 |
| Blue | 26 | 66 | Brown | | 0 |
| Red | 26 | 66 | Orange | | 0 |
| Yellow | 46 | 116.8 | Orange/Black | | 0 |
| Gray | 25 | 63.5 | Black/White | | 0 |
| Violet | 25 | 63.5 | Red/White | | 0 |

Enclosure



Enclosure Dimensions

| OverAll (L) | Width (W) | Height (H) | Mounting (M) |
|-------------|-----------|------------|--------------|
| 9.50 " | 1.7 " | 1.18 " | 8.90 " |
| 9 1/2 | 1 7/10 | 1 9/50 | 8 9/10 |
| 24.1 cm | 4.3 cm | 3 cm | 22.6 cm |



Revised 04/15/14

Data is based upon tests performed by Philips Lighting N.A in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

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IZT2PSP32SC @ 120

| | |
|-----------------|--------------------|
| Brand Name | MARK 7 0-10V |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Parallel |
| Input Voltage | 120-277 |
| Input Frequency | 50/60 HZ |
| Status | Active |

Electrical Specifications

Notes:

Section I - Physical Characteristics

- 1.1 Ballast shall be physically interchangeable with standard electromagnetic or standard electronic ballasts, where applicable.
- 1.2 Ballast shall be available in a plastic/metal can or all metal can construction to meet all plenum requirements.
- 1.3 Ballast shall be provided with poke-in wire trap connectors or integral leads color coded per ANSI C82.11.

Section II - Performance Requirements

- 2.1 Ballast shall be Programmed Start.
- 2.2 Ballasts designated with PSP shall provide Independent Lamp Operation (ILO) allowing remaining lamp(s) to maintain full light output when one or more lamps fail.
- 2.3 Ballast shall be provided with integral protection circuitry to withstand connection of low voltage control leads to mains power supply. In this event, ballast shall default to maximum light output.
- 2.4 Ballast shall contain auto restart circuitry in order to restart lamps without resetting power.
- 2.5 Ballast shall operate from 50/60 Hz input source of 120V or 277V or 347V with sustained variations of +/- 10% (voltage and frequency). IntelliVolt models shall operate from 50/60 Hz input source of 120V through 277V with sustained variations of +/- 10% (voltage and frequency).
- 2.6 Ballast shall be high frequency electronic type and operate lamps at a frequency above 42 kHz to avoid interference with infrared devices and eliminate visible flicker.
- 2.7 Ballast shall have a Power Factor greater than 0.98 at full light output and greater than 0.90 throughout the dimming range for primary lamp.
- 2.8 Ballast shall have a minimum ballast factor of 1.00 (120V through 277V 1-3 lamp models) or 0.88 (120V through 277V 4 lamp models and 347V 2-3 lamp models) or 1.18 (277V 4 lamp HL models) at maximum light output and 0.03 at minimum light output for primary lamp.
- 2.9 Ballast shall provide for a Lamp Current Crest Factor of 1.7 or less.
- 2.10 Ballast input current shall have Total Harmonic Distortion (THD) of less than 10% when operated at nominal line voltage and 100% power.
- 2.11 Ballast shall have a Class A sound rating.
- 2.12 Ballast shall have a minimum starting temperature of 10C (50F) for primary lamp.
- 2.13 Ballast shall provide Lamp EOL Protection Circuit for all T5, T5/HO and CFL lamps.
- 2.14 Ballast shall control lamp light output from 100% - 3% relative light output for T8, T5 and CFL lamps and 100% - 1% relative light output for T5HO lamps.
- 2.15 Ballast shall ignite the lamps at any light output setting.
- 2.16 Ballast shall tolerate sustained open circuit and short circuit output conditions.

Section III - Regulatory Requirements

- 3.1 Ballast shall not contain any Polychlorinated Biphenyl (PCB).
- 3.2 Ballast shall be Underwriters Laboratories (UL) listed, Class P and Type 1 Outdoor; and Canadian Standards Association (CSA) certified where applicable.
- 3.3 Ballast shall comply with ANSI C62.41 Category A for Transient protection.
- 3.4 Ballast shall comply with ANSI C82.11 where applicable.
- 3.5 Ballast shall comply with the requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 18, Non-Consumer (Class A) for EMI/RFI (conducted and radiated).
- 3.6 Ballast shall comply with NEMA 410 for in-rush current limits.

Section IV - Other

- 4.1 Ballast shall be manufactured in a factory certified to ISO 9001 Quality System Standards.
- 4.2 Ballast shall carry a five-year warranty from date of manufacture against defects in material or workmanship for operation at a maximum case temperature of 70C.
- 4.3 Manufacturer shall have a twenty-year history of producing electronic ballasts for the North American market.
- 4.4 Ballast shall be controlled by a Class 1 or Class 2 low voltage 0-10VDC controller.

4.5 Ballast shall be Philips Advance part # _____ or approved equal.



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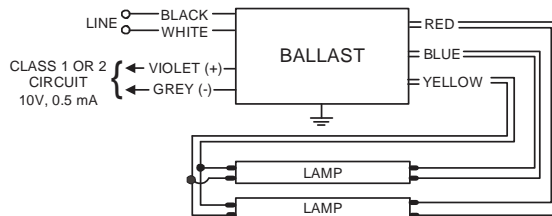
PHILIPS ADVANCE

Electrical Specifications

| | |
|------------------------|---------------------------|
| IZT2PSP32SC@277 | |
| Brand Name | MARK 7 0-10V |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Parallel |
| Input Voltage | 120-277 |
| Input Frequency | 50/60 HZ |
| Status | Active |

| Lamp Type | Num. of Lamps | Rated Lamp Watts | Min. Start Temp (°F/°C) | Input Current (Amps) | Input Power (Watts) (min/max) | Ballast Factor (min/max) | MAX THD % | Power Factor | Lamp Current Crest Factor | B.E.F. |
|----------------|---------------|------------------|-------------------------|----------------------|-------------------------------|--------------------------|-----------|--------------|---------------------------|--------|
| F17T8 | 2 | 17 | 50/10 | 0.12 | 10/35 | 0.03/1.01 | 10 | 0.97 | 1.7 | 2.89 |
| F25T8 | 2 | 25 | 50/10 | 0.18 | 11/50 | 0.03/0.98 | 10 | 0.99 | 1.7 | 1.96 |
| * F32T8 | 2 | 32 | 50/10 | 0.23 | 11/64 | 0.03/1.00 | 10 | 0.99 | 1.7 | 1.56 |
| F32T8/ES (28W) | 2 | 28 | 60/16 | 0.20 | 11/55 | 0.03/1.00 | 10 | 0.99 | 1.7 | 1.82 |

Wiring Diagram



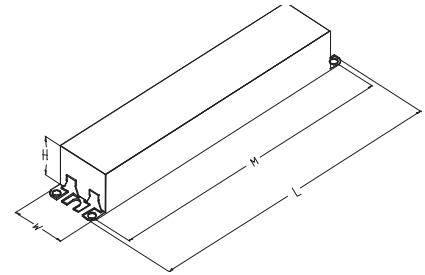
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| OverAll (L) | Width (W) | Height (H) | Mounting (M) |
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| | |
|-----------------|--------------------|
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| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Parallel |
| Input Voltage | 120-277 |
| Input Frequency | 50/60 HZ |
| Status | Active |

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