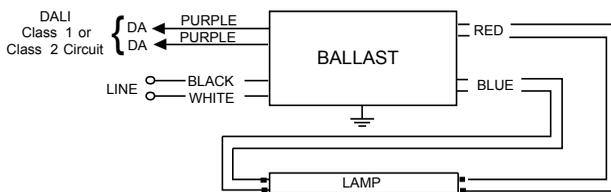


Electrical Specifications

| IDA-128-D@120V | |
|-----------------------|--------------------|
| Brand Name | ROVR |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Series |
| 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. |
|----------------|---------------|------------------|------------------------|----------------------|-------------------------------|--------------------------|-----------|--------------|---------------------------|--------|
| F14T5 | 1 | 14 | 50/10 | 0.15 | 06/19 | 0.03/1.00 | 10 | 0.98 | 1.7 | 5.26 |
| * F21T5 | 1 | 21 | 50/10 | 0.20 | 06/25 | 0.03/1.00 | 10 | 0.98 | 1.7 | 4.00 |
| F28T5 | 1 | 28 | 50/10 | 0.27 | 07/32 | 0.03/1.00 | 10 | 0.98 | 1.7 | 3.13 |
| F28T5/ES (25W) | 1 | 25 | 50/10 | 0.25 | 07/30 | 0.03/1.00 | 10 | 0.98 | 1.7 | 3.33 |

Wiring Diagram



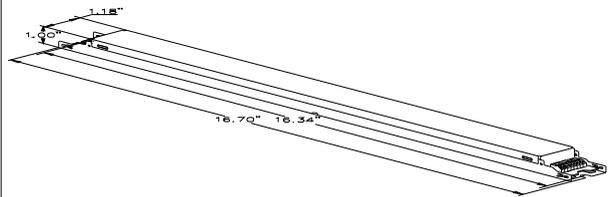
Diag . 55 B

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

Standard Lead Length (inches)

| | in. | cm. | | in. | cm. |
|--------|-----|-----|--------------|-----|-----|
| Black | 0 | 0 | Yellow/Blue | | 0 |
| White | 0 | 0 | Blue/White | | 0 |
| Blue | 0 | 0 | Brown | | 0 |
| Red | 0 | 0 | Orange | | 0 |
| Yellow | | 0 | Orange/Black | | 0 |
| Gray | 0 | 0 | Black/White | | 0 |
| Violet | 0 | 0 | Red/White | | 0 |

Enclosure



Enclosure Dimensions

| OverAll (L) | Width (W) | Height (H) | Mounting (M) |
|-------------|-----------|------------|--------------|
| 16.70 " | 1.18 " | 1.00 " | 16.34 " |
| 16 7/10 | 1 9/50 | 1 | 16 17/50 |
| 42.4 cm | 3 cm | 2.5 cm | 41.5 cm |

Revised 01/18/2011



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PHILIPS LIGHTING ELECTRONICS N.A.

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Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

| IDA-128-D@120V | |
|-----------------------|--------------------|
| Brand Name | ROVR |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Series |
| 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 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.
- 2.3 Ballast shall contain auto restart circuitry in order to restart lamps without resetting power.
- 2.4 Ballast shall operate from 50/60 Hz input source of 120V or 277V 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).
- 2.5 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.
- 2.6 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.
- 2.7 Ballast shall have a minimum ballast factor of 1.00 at maximum light output and 0.03 at minimum light output for primary lamp application.
- 2.8 Ballast shall provide for a Lamp Current Crest Factor of 1.7 or less.
- 2.9 Ballast input current shall have Total Harmonic Distortion (THD) of less than 10% when operated at nominal line voltage with primary lamp.
- 2.10 Ballast shall have a Class A sound rating.
- 2.11 Ballast shall have a minimum starting temperature of 10C (50F) for primary lamp.
- 2.12 Ballast shall provide Lamp EOL Protection Circuit for all T5, T5/HO and CFL lamps.
- 2.13 Ballast shall control lamp light output from 100% - 3% relative light output for T8 and CFL lamps and 100% - 1% relative light output for T5/HO lamps.
- 2.14 Ballast shall ignite the lamps at any light output setting without first going to another output setting.
- 2.15 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, including replacement, 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 compatible DALI protocol control.
- 4.5 Ballast shall be Philips Advance part # _____ or approved equal.

Revised 01/18/2011



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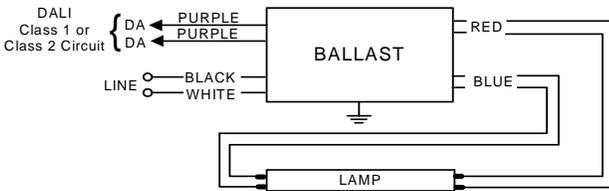


Electrical Specifications

| | |
|-----------------------|---------------------------|
| IDA-128-D@277V | |
| Brand Name | ROVR |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Series |
| 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. |
|----------------|---------------|------------------|------------------------|----------------------|-------------------------------|--------------------------|-----------|--------------|---------------------------|--------|
| F14T5 | 1 | 14 | 50/10 | 0.07 | 06/19 | 0.03/1.00 | 10 | 0.98 | 1.7 | 5.26 |
| F21T5 | 1 | 21 | 50/10 | 0.09 | 06/25 | 0.03/1.00 | 10 | 0.98 | 1.7 | 4.00 |
| * F28T5 | 1 | 28 | 50/10 | 0.12 | 07/32 | 0.03/1.00 | 10 | 0.98 | 1.7 | 3.13 |
| F28T5/ES (25W) | 1 | 25 | 50/10 | 0.11 | 07/30 | 0.03/1.00 | 10 | 0.98 | 1.7 | 3.33 |

Wiring Diagram



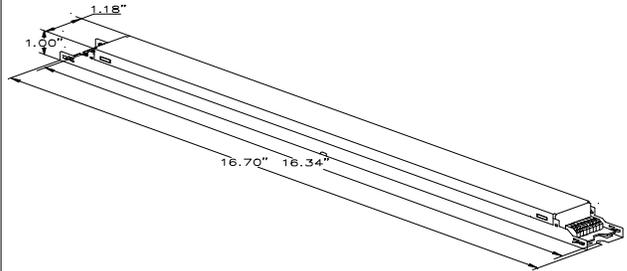
Diag. 55B

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

Standard Lead Length (inches)

| | in. | cm. | | in. | cm. |
|--------|-----|-----|--------------|-----|-----|
| Black | 0 | 0 | Yellow/Blue | | 0 |
| White | 0 | 0 | Blue/White | | 0 |
| Blue | 0 | 0 | Brown | | 0 |
| Red | 0 | 0 | Orange | | 0 |
| Yellow | | 0 | Orange/Black | | 0 |
| Gray | 0 | 0 | Black/White | | 0 |
| Violet | 0 | 0 | Red/White | | 0 |

Enclosure



Enclosure Dimensions

| OverAll (L) | Width (W) | Height (H) | Mounting (M) |
|-------------|-----------|------------|--------------|
| 16.70 " | 1.18 " | 1.00 " | 16.34 " |
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Revised 01/18/11

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 Corporate Offices: Phone: 800-322-2086



Electrical Specifications

| IDA-128-D@277V | |
|-----------------|--------------------|
| Brand Name | ROVR |
| Ballast Type | Electronic Dimming |
| Starting Method | Programmed Start |
| Lamp Connection | Series |
| Input Voltage | 120-277 |
| Input Frequency | 50/60 HZ |
| Status | Active |

Notes:

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



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