

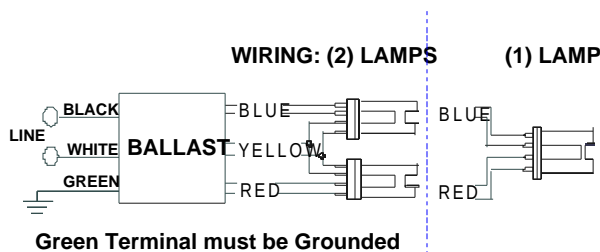
## ICF-2S26-H1-LD@120

|                 |                  |
|-----------------|------------------|
| Brand Name      | SMARTMATE        |
| Ballast Type    | Electronic       |
| Starting Method | Programmed Start |
| Lamp Connection | Series           |
| Input Voltage   | 120-277          |
| Input Frequency | 50/60 HZ         |
| Status          | Active           |

### Electrical Specifications

| Lamp Type      | Num. of Lamps | Rated Lamp Watts | Min. Start Temp (°F/C) | Input Current (Amps) | Input Power (ANSI Watts) | Ballast Factor | MAX THD % | Power Factor | MAX Lamp Current Crest Factor | B.E.F. |
|----------------|---------------|------------------|------------------------|----------------------|--------------------------|----------------|-----------|--------------|-------------------------------|--------|
| * CFM26W/GX24Q | 1             | 26               | 0/-18                  | 0.24                 | 29                       | 1.10           | 10        | 0.98         | 1.5                           | 3.79   |
| CFM26W/GX24q   | 2             | 26               | 0/-18                  | 0.45                 | 54                       | 1.00           | 10        | 0.99         | 1.5                           | 1.85   |
| CFM32W/GX24q   | 1             | 32               | 0/-18                  | 0.31                 | 36                       | 0.98           | 10        | 0.98         | 1.5                           | 2.72   |
| CFM42W/GX24q   | 1             | 42               | 0/-18                  | 0.38                 | 46                       | 0.98           | 10        | 0.98         | 1.5                           | 2.13   |
| CFQ26W/G24q    | 1             | 26               | 0/-18                  | 0.23                 | 27                       | 1.00           | 10        | 0.98         | 1.5                           | 3.70   |
| CFQ26W/G24q    | 2             | 26               | 0/-18                  | 0.43                 | 51                       | 1.00           | 10        | 0.99         | 1.5                           | 1.96   |
| CFS21W/GR10q   | 2             | 21               | 0/-18                  | 0.42                 | 51                       | 1.12           | 10        | 0.99         | 1.5                           | 2.20   |
| FT24W/2G11     | 2             | 24               | 0/-18                  | 0.41                 | 48                       | 0.93           | 10        | 0.99         | 1.5                           | 1.94   |

### Wiring Diagram

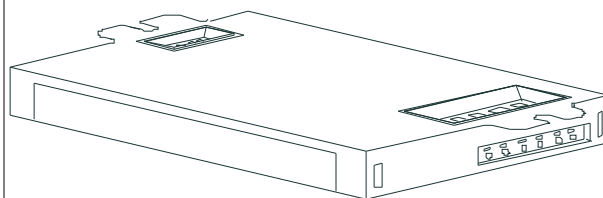


The wiring diagram that appears above is for the lamp type denoted by the asterisk (\*)

### Standard Lead Length (inches)

|        | in. | cm. |              | in. | cm. |
|--------|-----|-----|--------------|-----|-----|
| Black  | 0.0 |     | Yellow/Blue  |     |     |
| White  | 0.0 |     | Blue/White   |     |     |
| Blue   | 0.0 |     | Brown        |     |     |
| Red    | 0.0 |     | Orange       |     |     |
| Yellow | 0   |     | Orange/Black |     |     |
| Gray   |     |     | Black/White  |     |     |
| Violet |     |     | Red/White    |     |     |

### Enclosure



### Enclosure Dimensions

| OverAll (L) | Width (W) | Height (H) | Mounting (M) |
|-------------|-----------|------------|--------------|
| 4.98 "      | 2.4 "     | 1.0 "      | 4.6 "        |
| 4 49/50     | 2 2/5     | 1          | 4 3/5        |
| 12.6 cm     | 6.1 cm    | 2.5 cm     | 11.7 cm      |

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Data is based upon tests performed by Philips Lighting Electronics N.A. in a controlled environment and is 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.

## PHILIPS LIGHTING ELECTRONICS N.A.

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| 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 color coded per ANSI C82.11.

#### Section II - Performance Requirements

- 2.1 Ballast shall be Programmed Start except for ballasts with -QS suffix, which shall be Rapid Start.
- 2.2 Ballast shall contain auto restart circuitry in order to restart lamps without resetting power.
- 2.3 Ballast shall operate from 50/60 Hz input source of 120V through 277V with sustained variations of +/- 10% (voltage and frequency) with no damage to the IntelliVolt ballast. RCF models shall operate from 60 Hz input source of 120V with sustained variations of +/- 10% (voltage and frequency) with no damage to the ballast.
- 2.4 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.
- 2.5 Ballast shall have a Power Factor greater than 0.98 for primary lamp.
- 2.6 Ballast shall have a minimum ballast factor of 1.00 for primary lamp application.
- 2.7 Ballast shall provide for a Lamp Current Crest Factor of 1.7 or less in accordance with lamp manufacturer recommendations.
- 2.8 Ballast input current shall have Total Harmonic Distortion (THD) of less than 10% when operated at nominal line voltage with primary lamp.
- 2.9 Ballast shall have a Class A sound rating.
- 2.10 Ballast shall have a minimum starting temperature of -18C (0F) for primary lamp. Ballasts for PL-H lamps shall have a minimum starting temperature of -30C (-20F) for primary lamp.
- 2.11 Ballast shall provide Lamp EOL Protection Circuit.
- 2.12 Ballast shall tolerate sustained open circuit and short circuit output conditions without damage.

#### 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 be rated for use in air-handling spaces.
- 3.4 Ballast shall comply with ANSI C62.41 Category A for Transient protection.
- 3.5 Ballast shall comply with ANSI C82.11 where applicable.
- 3.6 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).

#### Section IV - Other

- 4.1 Ballast shall be manufactured in a factory certified to ISO 9002 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 75C and three-years for a maximum case temperature of 85C (90C 3year warranty for ICF1H120-M4-XX, ICF2S42-90C-M2-XX and ICF2S70-M4-XX modesls).
- 4.3 Manufacturer shall have a fifteen-year history of producing electronic ballasts for the North American market.

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