

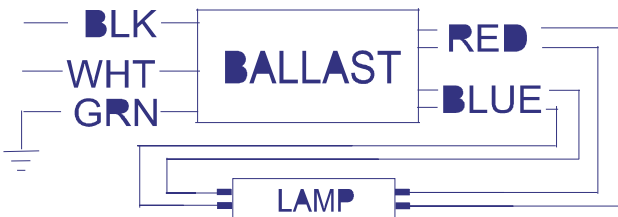
## RMB-1P13-S1

Brand Name	AMBISTAR
Ballast Type	Electronic
Starting Method	Instant Start
Lamp Connection	Series
Input Voltage	120
Input Frequency	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 .
CFQ13W/G24Q	1	13	0/-18	0.20	14	1.00	150	0.58	1.7	7.14
CFT7W/2G7	1	7	0/-18	0.13	08	1.00	150	0.51	1.7	12.50
CFT9W/2G7	1	9	0/-18	0.16	10	1.10	150	0.52	1.7	11.00
CFTR13W/GX24Q	1	13	0/-18	0.20	14	1.00	150	0.58	1.7	7.14
F13T5	1	13	0/-18	0.21	14	1.00	150	0.56	1.7	7.14
F14T5	1	14	0/-18	0.21	14	0.95	150	0.50	1.7	6.79
* F8T5	1	8	0/-18	0.16	10	1.30	150	0.52	1.7	13.00

### Wiring Diagram



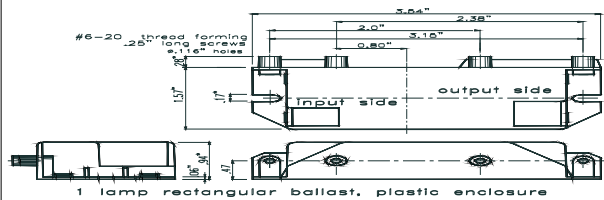
### Green terminal must be grounded

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	0
White	0	0	Blue/White	0	0
Blue	0	0	Brown	0	0
Red	0	0	Orange	0	0
Yellow	0	0	Orange/Black	0	0
Gray	0	0	Black/White	0	0
Violet	0	0	Red/White	0	0

### Enclosure



### Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
3.54 "	1.85 "	.94 "	3.15 "
3 27/50	1 17/20	0 47/50	3 3/20
9 cm	4.7 cm	2.4 cm	8 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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**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 provided with integral leads or poke-in wire trap connectors color coded per ANSI C82.11.

Section II - Performance Requirements

- 2.1 Ballast shall be \_\_\_\_\_ (Instant or Rapid) Start.
- 2.2 Ballast shall provide Independent Lamp Operation (ILO) for Instant Start ballasts allowing remaining lamp(s) to maintain full light output when one or more lamps fail.
- 2.3 Ballast shall contain auto restart circuitry in order to restart lamps without resetting power
- 2.4 Ballast shall operate from 60 Hz input source of 120V 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 for primary lamp as follows: greater than 0.98 for RCF and RELB models or greater than 0.50 for REB and RMB models.
- 2.7 Fixed Output Ballast shall have a minimum ballast factor for primary lamp as follows: 0.85 for linear lamps or 1.0 for CFL lamps.
- 2.8 Dimming Ballast shall have a minimum ballast factor of 0.85 at maximum light output and 0.15 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) when operated at nominal line voltage with primary lamp as follows: less than 10% for RCF models, less than 20% for RELB models or less than 150% for REB and RMB models.
- 2.11 Ballast shall have a Class A sound rating.
- 2.12 Ballast shall have a minimum starting temperature for primary lamp as follows: 0°F/-18°C for RCF, REB and RMB models, 50°F/10°C for Dimming Ballasts or 50°F/10°C for standard T12 lamps and 60°F/16°C for energy-saving T12 lamps.
- 2.13 Ballast shall provide Lamp EOL Protection Circuit for CFL and T5 lamps.
- 2.14 Ballast shall tolerate sustained open circuit and short circuit output conditions.
- 2.15 Dimming Ballast shall ignite the lamps at any light output setting without first going to another output setting.

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 Type CC for RMB models); and Canadian Standards Association (CSA) certified where applicable.
- 3.3 Ballast for CFL lamps 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, Consumer (Class B) for EMI/RFI (conducted and radiated).
- 3.7 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 warranty from date of manufacture against defects in material or workmanship as follows:  
RCF models for three years, including replacement, for operation at a maximum case temperature of 85°C  
RELB models for three years, including replacement, for operation at a maximum case temperature of 70°C  
RMB models for two years, material only, for operation at a maximum case temperature of 65°C  
REB T8 models for two years, material only, for operation at a maximum case temperature of 70°C  
REB CFL models for two years, material only, for operation at a maximum case temperature of 75°C.
- 4.3 Manufacturer shall have a twenty-year history of producing electronic ballasts for the North American market.
- 4.4 Ballast shall meet the ballast-controlled performance requirements in the ENERGY STAR Program Requirements for Residential Light Fixtures.

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