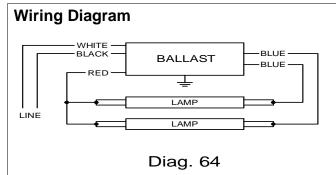
# **PHILIPS ADVANCE**

# **Electrical Specifications**

ICN-2M32-MC@120V					
Brand Name	CENTIUM MICRO CAN				
Ballast Type	Electronic				
Starting Method	Instant 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 (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
F17T8	2	17	0/-18	0.26	31	0.88	10	0.98	1.7	2.84
F25T8	2	25	0/-18	0.37	44	0.88	10	0.98	1.7	2.00
* F32T8	2	32	0/-18	0.50	59	0.88	10	0.98	1.7	1.49
F32T8/ES (30W)	2	30	0/-18	0.45	54	0.88	10	0.98	1.7	1.63



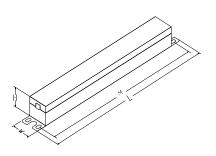
The wiring diagram that appears above is for the lamp type denoted by the asterisk (\*)

# **Standard Lead Length (inches)**

	in.	cm.
Black	25	63.5
White	25	63.5
Blue	31	78.7
Red	37	94
Yellow		0
Gray		0
Violet		0

<u> </u>	in.	cm.
Yellow/Blue		0
Blue/White		0
Brown		0
Orange		0
Orange/Black		0
Black/White		0
Red/White		0

# **Enclosure**



## **Enclosure Dimensions**

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.50 "	1.08 "	1.05 "	8.91 "
9 1/2	1 2/25	1 1/20	8 91/100
24.1 cm	2.7 cm	2.7 cm	22.6 cm





Revised 01/30/12

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# **Electrical Specifications**

ICN-2M32-	ICN-2M32-MC@120V					
Brand Name	<b>CENTIUM MICRO CAN</b>					
Ballast Type	Electronic					
Starting Method	Instant Start					
Lamp Connection	Series					
Input Voltage	120-277					
Input Frequency	50/60 HZ					
Status	Active					

#### 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 color-coded per ANSI C82.11.

#### Section II - Performance

- 2.1 Ballast shall be Instant 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).
- 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 for primary lamp application as follows: 0.75 for Low Watt, 0.85 for Normal Light Output and 1.20 for High Light.
- 2.7 Ballast shall provide for a Lamp Current Crest Factor of 1.7 or less.
- 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 standard T8 lamps and 16C (60F) for energy-saving T8 lamps.
- 2.11 Ballast shall provide Lamp EOL Protection Circuit.
- 2.12 Ballast shall tolerate sustained open circuit and short circuit output conditions.

### Section III - Regulatory

- 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 applicable requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.
- 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 Energy saving T8 lamps (25W, 28W or 30W) may experience lamp striations if operated on ballasts not rated for their use.





Revised 01/30/12

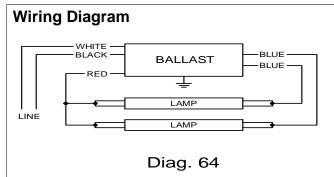
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# **PHILIPS ADVANCE**

# **Electrical Specifications**

ICN-2M32-MC@277V					
Brand Name	<b>CENTIUM MICRO CAN</b>				
Ballast Type	Electronic				
Starting Method	Instant 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 (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
F17T8	2	17	0/-18	0.11	31	0.88	10	0.98	1.7	2.84
F25T8	2	25	0/-18	0.16	44	0.88	15	0.98	1.7	2.00
* F32T8	2	32	0/-18	0.21	59	0.88	10	0.98	1.7	1.49
F32T8/ES (30W)	2	30	0/-18	0.20	54	0.88	10	0.98	1.7	1.63



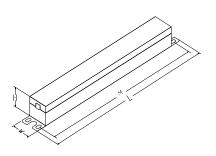
The wiring diagram that appears above is for the lamp type denoted by the asterisk (\*)

# **Standard Lead Length (inches)**

	in.	cm.
Black	25	63.5
White	25	63.5
Blue	31	78.7
Red	37	94
Yellow		0
Gray		0
Violet		0

	in.	cm.
Yellow/Blue		0
Blue/White		0
Brown		0
Orange		0
Orange/Black		0
Black/White		0
Red/White		0

# **Enclosure**



## **Enclosure Dimensions**

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.50 "	1.08 "	1.05 "	8.91 "
9 1/2	1 2/25	1 1/20	8 91/100
24.1 cm	2.7 cm	2.7 cm	22.6 cm





Revised 03/02/10

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# **Electrical Specifications**

# Brand Name CENTIUM MICRO CAN Ballast Type Electronic Starting Method Instant Start Lamp Connection Series Input Voltage 120-277 Input Frequency 50/60 HZ Status Active

#### 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 color-coded per ANSI C82.11.

#### Section II - Performance

- 2.1 Ballast shall be Instant Start.
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- 2.12 Ballast shall tolerate sustained open circuit and short circuit output conditions.

### Section III - Regulatory

- 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.
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- 3.4 Ballast shall comply with ANSI C82.11 where applicable.
- 3.5 Ballast shall comply with applicable requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.
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#### Section IV - Other

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- 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 Energy saving T8 lamps (25W, 28W or 30W) may experience lamp striations if operated on ballasts not rated for their use.





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