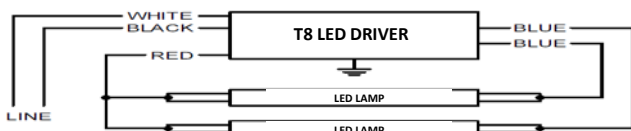


<b>ICN-2P16-TLED-EL-N</b>	
Brand Name	<b>CENTIUM</b>
Driver Type	<b>T8 LED Electronic</b>
Lamp Connection	<b>Parallel</b>
Input Voltage	<b>120-277V</b>
Input Frequency	<b>50/60 Hz</b>
Status	<b>Active</b>

## Electrical Specifications

Compatible Lamp Information						Driver Specifications @120V/@277V						
T8 LED Lamp Brand	T8 LED Lamp Description	T8 LED Lamp Product No.	T8 LED Lamp Model No.	T8 LED Lamp Ordering Code	Bare Lamp Watts (W)	Nom. Initial Lumens	Min. Start Temp (°F/°C)	Num. of Lamps	Input Current (A)	Input Power (W)	Max THD%	Power Factor
Philips	LED InstantFit T8 - 4'	468694	9290013037	10T8/48-2700 IF 10/1	10	1400	-13/-25	2	0.21/0.09	25	10	0.99/0.96
		468264	9290011239C	10T8/48-3000 IF 10/1								
		468272	9290011240C / 9290011240D	10T8/48-3500 IF 10/1								
		468280	9290011241C / 9290011241D	10T8/48-4000 IF 10/1								
		468298	9290011242C / 9290011242D	10T8/48-5000 IF 10/1								
		473966	9290013971	10T8 LED/48-2700 IF 1PK 10/1								
		473974	9290013972	10T8 LED/48-3000 IF 1PK 10/1								
		473982	9290013973	10T8 LED/48-3500 IF 1PK 10/1								
		473990	9290013974	10T8 LED/48-4000 IF 1PK 10/1								
		474007	9290013975	10T8 LED/48-5000 IF 1PK 10/1								
Philips	LED InstantFit T8 - 4' High Output	473926	9290013976	13T8/48-3000 IF 10/1	13	2000	-13/-25	2	0.27/0.12	33	10	0.99/0.97
		473934	9290013977	13T8/48-3500 IF 10/1								
		473942	9290013978	13T8/48-4000 IF 10/1								
		473958	9290013979	13T8/48-5000 IF 10/1								
Philips	LED InstantFit T8 - 4' High Output Glass	470096	9290013430	14T8 PRO LED/48-3000 IF G 10/1	14	2000	-13/-25	2	0.29/0.13	35	10	0.99/0.97
		470104	9290013431	14T8 PRO LED/48-3500 IF G 10/1								
		470112	9290013432	14T8 PRO LED/48-4000 IF G 10/1								
		470120	9290013433	14T8 PRO LED/48-5000 IF G 10/1								
Philips	LED InstantFit T8 - 4' Ultra High Output	468892	9290013044	16.5T8 LED/48-3000 IF 10/1 UHO	16.5	2300	-13/-25	2	0.30/0.13	35	10	0.99/0.97
		463133	9290012267	16.5T8 LED/48-3500 IF 10/1 UHO								
		463141	9290012268	16.5T8 LED/48-4000 IF 10/1 UHO								
		463158	9290012269	16.5T8 LED/48-5000 IF 10/1 UHO								
Philips	LED InstantFit T8 - 3'	469320	9290013113	9T8 LED/36-3000 IF 10/1	9	1100	-13/-25	2	0.16/0.07	19	10	0.99/0.92
		469338	9290013114	9T8 LED/36-3500 IF 10/1								
		469346	9290013115	9T8 LED/36-4000 IF 10/1								
		469353	9290013116	9T8 LED/36-5000 IF 10/1								
Philips	LED InstantFit T8 - 2'	469270	9290013008	7T8 LED/24-3000 IF 10/1	7	1050	-13/-25	2	0.15/0.07	18	10	0.99/0.92
		469288	9290013009	7T8 LED/24-3500 IF 10/1								
		469296	9290013110	7T8 LED/24-4000 IF 10/1								
		469304	9290013111	7T8 LED/24-5000 IF 10/1								
Philips	LED InstantFit U-Bent T8 - 6U	469379	9290013118	13T8 LED/24-3000 IF-6U 10/1	13	2000	-13/-25	2	0.21/0.09	25	10	0.99/0.97
		469387	9290013119	13T8 LED/24-3500 IF-6U 10/1								
		469395	9290013120	13T8 LED/24-4000 IF-6U 10/1								
		469403	9290013121	13T8 LED/24-5000 IF-6U 10/1								

### Wiring Diagram

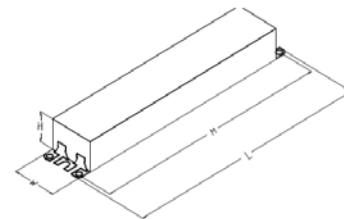


Diag. 64

#### Standard Lead Length (inches)

	in.	cm.
Black	24	61.0
White	24	61.0
Blue	28	71.1
Red	43	109.2

### Enclosure



#### Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.5 "	1.3 "	1.0 "	8.9 "
9 1/2	1 3/10	1	8 9/10
24.1 cm	3.3 cm	2.5 cm	22.6 cm





<b>ICN-2P16-TLED-EL-N</b>	
<b>Brand Name</b>	<b>CENTIUM</b>
<b>Driver Type</b>	<b>T8 LED Electronic</b>
<b>Lamp Connection</b>	<b>Parallel</b>
<b>Input Voltage</b>	<b>120-277V</b>
<b>Input Frequency</b>	<b>50/60 Hz</b>
<b>Status</b>	<b>Active</b>

## Electrical Specifications

### Notes:

#### Section I - Physical Characteristics

- 1.1 Driver shall be physically interchangeable with standard electromagnetic or standard electronic ballasts, where applicable.
- 1.2 Driver shall be provided with integral leads color coded per ANSI C82.11.

#### Section II - Performance Requirements

- 2.1 Driver shall energize compatible LED lamps within 1 second after mains power is applied.
- 2.2 Driver shall provide Independent Lamp Operation (ILO) allowing remaining lamp(s) to maintain full light output when one or more lamps fail.
- 2.3 Driver shall contain auto restart circuitry in order to restart lamps without resetting power.
- 2.4 Driver shall operate from a 50Hz or 60 Hz AC input source of 120V through 277V with sustained variations of +/- 10% (voltage and frequency).
- 2.5 Driver shall be high frequency electronic type and operate lamps at frequencies above 42 kHz to avoid interference with infrared devices and eliminate visible flicker.
- 2.6 Driver shall have a Power Factor of 0.90 or above when operating the maximum rated number of compatible lamps, and 0.88 or above when operating the minimum rated number of compatible lamps.
- 2.7 Driver input current shall Total Harmonic Distortion (THD) of 10% or less when operating the maximum rated number of compatible lamps and 15% or less when operating the minimum rated number of compatible lamps.
- 2.8 Driver shall have a Class A sound rating.
- 2.9 Driver shall have a minimum starting temperature of -13°F / -25°C.
- 2.10 Driver shall tolerate sustained open circuit and short circuit output conditions.
- 2.11 Driver shall be capable of operating lamps remotely and in tandem for wire lengths up to 20 ft.
- 2.12 Driver shall be suitable of operation in up to a 45°C ambient temperature.

#### Section III - Regulatory Requirements

- 3.1 Driver shall not contain any Polychlorinated Biphenyl (PCB).
- 3.2 Driver shall be Underwriters Laboratories (UL) Recognized, and suitable for Damp and Dry conditions; and CSA Certified where applicable.
- 3.3 Driver shall comply with ANSI C62.41 Category A Transient protection.
- 3.4 Driver shall comply with the requirements of the Federal Communication Commission (FCC) rules and regulations, Title 47, CFR part 15, Non-Consumer (Class A) for EMI/RFI (conducted and radiated).
- 3.5 Driver shall comply with NEMA 410 for in-rush current limits.

#### Section IV - Other

- 4.1 Driver shall be manufactured in a factory certified to ISO 9001 Quality System Standards.
- 4.2 Driver shall carry a five year warranty from date of manufacture against defects in material and workmanship when operating in a 45°C ambient e