ADVANCE
by signify

T8 LED Driver

Centium

ICN-3P13-TLED-N

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Brand Name	**Centium**
Driver Type	**T8 LED Electronic**
Lamp Connection	**Parallel**
Input Voltage	**120-277V**
Input Frequency	**50/60 Hz**
Status	**Active**

Specifications

Description	Product No.	Model No.	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' MasterClass	565580 565598 565606 565614	9290030253/A 9290030254/A 9290030255/A 9290030256/A	8.9T8/MAS/48-830/IF15/P/DIM 10/1 8.9T8/MAS/48-835/IF15/P/DIM 10/1 8.9T8/MAS/48-840/IF16/P/DIM 10/1 8.9T8/MAS/48-850/IF16/P/DIM 10/1	8.9	1500 1500 1600 1600	-13/-25	3	0.24/0.11	29	10	0.98/0.91
							2	0.19/0.09	23	15	0.98/0.87
	473974 473982 473990 474007	9290020158A 9290020159A 9290020160A 9290020161A	9.5T8/MAS/48-830/IF15/P 10/1 9.5T8/MAS/48-835/IF15/P 10/1 9.5T8/MAS/48-840/IF16/P 10/1 9.5T8/MAS/48-850/IF16/P 10/1	9.5	1500 1500 1600 1600	-13/-25	3	0.25/0.12	30	10	0.99/0.91
							2	0.20/0.10	24	15	0.98/0.88
Philips LED InstantFit T8 - 4' CorePro	553230 553248 553214 553222	9290022527A 9290022528A 9290019917A 9290019918A	10T8/COR/48-830/IF15/G 10/1 10T8/COR/48-835/IF15/G 10/1 10T8/COR/48-840/IF16/G 10/1 10T8/COR/48-850/IF16/G 10/1	10	1500 1500 1600 1600	-13/-25	3	0.33/0.15	39	10	0.99/0.94
							2	0.27/0.13	32	15	0.99/0.92
Philips LED InstantFit T8 - 4' High Output MasterClass	473926 473934 473942 473958	9290013976E/F 9290013977E/F 9290013978E/F 9290013979E/F	13T8/MAS/48-830/IF20/P/DIM 10/1 13T8/MAS/48-835/IF20/P/DIM 10/1 13T8/MAS/48-840/IF21/P/DIM 10/1 13T8/MAS/48-850/IF21/P/DIM 10/1	13	2000 2000 2100 2100	-13/-25	3	0.33/0.15	38	10	0.99/0.94
							2	0.26/0.12	31	10	0.99/0.92
	473926 473934 473942 473958	9290013976A/B 9290013977A/B 9290013978B/D 9290013979A/B	13T8/MAS/48-830/IF20/P/DIM 10/1 13T8/MAS/48-835/IF20/P/DIM 10/1 13T8/MAS/48-840/IF21/P/DIM 10/1 13T8/MAS/48-850/IF21/P/DIM 10/1	13	2000 2000 2100 2100	-13/-25	3	0.36/0.16	43	10	0.99/0.95
							2	0.29/0.13	35	10	0.99/0.93

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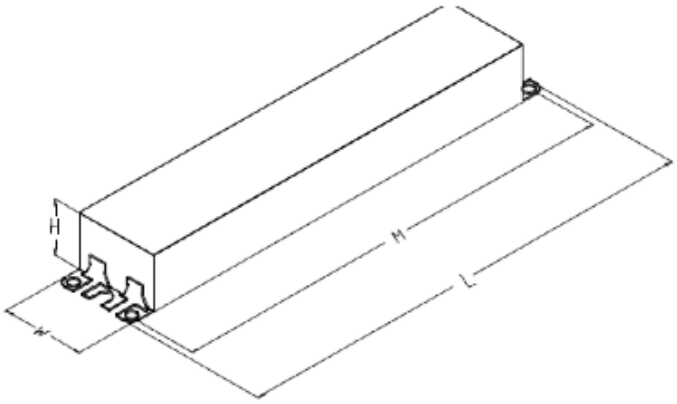
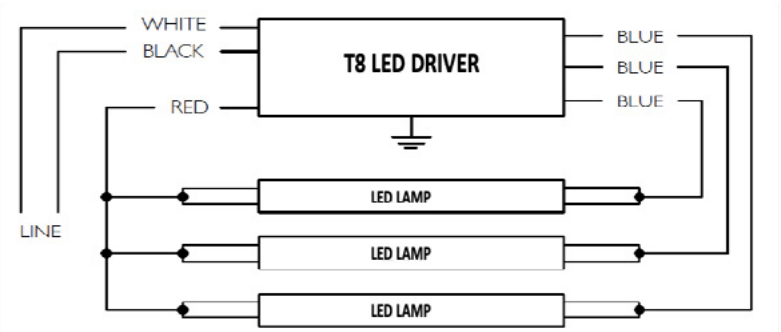
Enclosure

	In. (cm)
Case Width (W)	1.3 (3.3)
Case Height (H)	1.0 (2.5)
Mounting Length (M)	8.90 (22.6)
Overall Length (L1)	9.5 (24.1)

Wiring Diagram

	In. (cm)
Black	24 (61)
White	24 (61)
Blue	28 (71.1)
Red	42 (106.7)





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Input Frequency	**50/60 Hz**
Status	**Active**

Electrical Specifications

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 0.87 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 with Both UL and CSA Standards, and suitable for Damp and Dry conditions.
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 environment or less.

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