

Presented By: Candela Corporation

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Customer Name:

Project Name:

Fixture Type:



GE Lighting

### 68993 - GE LFL UltraStart(R) Electronic Program / Rapid Start

#### Ballast

#### GE228MVPS-MC

- ☞ High Efficiency T5 ballast with Continuous Cathode Cutout Technology
- ☞ Lower Maintenance Costs with Parallel Lamp Operation
- ☞ Fast Starting Time <700ms
- ☞ Multi-Voltage technology means a single ballast handles voltage from 108V to 305V
- ☞ Auto-Restart withstands temporary losses in power without the need to cycle power
- ☞ UltraCool™ Operation 90C case rating
- ☞ Anti-Striation Control for better light quality, with no striations.

#### Product Photo



#### GENERAL CHARACTERISTICS

Ambient Temp [Max]	131 °F
Ambient Temp [Min]	0 °F
Ballast Factor	Normal-High (1.0)
Ballast Type	Program / Rapid Start
Case Temperature (Max)	90 °C
Enclosure Type	Metal Can
Line Voltage Regulation (+/-)	10
Classification (Regulations)	ANSI - C82.11 ANSI - C62.41 FCC - CLASS A Non-Consumer No PCB's Type CC Type HL UL Type 1 Outdoor UL Class P UL Listed RoHs Compliant High Temperature Rated: Suitable for high temperature applications 70C max case temp 5 yr warranty or 90C max case temp 3 yr warranty CSA A (20-24 decibels)
Sound Rating	A (20-24 decibels)
Starting Method	Programmed Rapid Start
Product Technology	Linear Fluorescent
Lamp Wiring	Parallel
Power Factor Correction	Active

#### PRODUCT INFORMATION

Product Code	68993
Description	GE228MVPS-MC
Alternative Unit Of Measure	CASE

#### DIMENSIONS

Weight	1.0 lb
Exit Type	
Remote Mount Distance	8.0 ft

#### Case Dimensions

Length	9.5in
Width	1.3in
Height	1.0in

#### Mounting Dimensions

Mount Length	8.89in
Mount Width	0.88in
Mount Slot	0.312in

Lead Color	Qty	Exit	Length (1 in.)
Black	1	Left	20in
White	1	Left	20in
Blue	1	Right	26in
Yellow	1	Right	37in
Red	1	Right	26in

#### SAFETY & PERFORMANCE

- ☞ ANSI\_C82
- ☞ ANSI\_C62

- ☞ FCC\_CS\_NCons
- ☞ No\_PCB
- ☞ Type\_CC
- ☞ Type\_HL
- ☞ UL\_Type1\_Out
- ☞ UL\_Cls\_P
- ☞ UL\_Listed

### SPECIFICATIONS BY LAMP & WATTAGE

Lamp	# of Lamps	Line Volts	System Watts	Nom. Line Current	System Ballast Factor	Ballast Efficacy Factor	Power Factor% (>=)	Crest Factor (<=)	THD% (<=)	Min. Starting Temp (F / C)
F21T5/HE	1	120	31	0.26	1.16	4	0.99		9	5
F14T5/WM	1	120	22	0.18	1.15	5	0.99		9	5
F35T5/HE	1	120	46	0.39	1.11	2	0.99			5
F35T5/HE	1	277	46	0.18	1.11	2	0.93		8	5
F35T5/HE	2	120	74	0.62	0.95	1	0.99		9	5
F35T5/HE	2	277	73	0.27	0.95	1	0.97		9	5
F28T5/HE	1	120	41	0.35	1.21	3	0.99	1.4	8	0
F28T5/HE	1	277	41	0.16	1.21	3	0.97	1.4	9	0
F28T5/HE	2	277	60	0.22	0.96	2	0.99	1.4	6	0
F28T5/HE	2	120	62	0.53	0.96	2	0.99	1.4	7	0
F21T5/HE	1	277	31	0.13	1.16	4	0.86		10	5
F14T5/WM	2	120	36	0.3	1.1	3	0.99	1.4	9	32
F14T5/WM	1	277	22	0.1	1.15	5	0.75		9	5
F21T5/WM	2	120	45	0.38	1.01	2	0.99		9	5
F28T5/WM	2	120	59	0.5	0.98	2	0.99	1.4	7	32
F21T5/WM	1	120	29	0.24	1.15	4	0.99		10	5
F21T5/WM	1	277	29	0.12	1.15	4	0.85		9	5
F28T5/WM	2	277	58	0.22	0.98	2	0.98	1.4	6	32
F21T5/WM	2	277	45	0.18	1.01	2	0.93		8	5
F28T5/WM	1	120	36	0.3	1.08	3	0.99		10	32
F28T5/WM	1	277	36	0.15	1.08	3	0.9		10	32
F35T5/WM	1	120	44	0.36	1.08	2	0.99		9	5
F35T5/WM	1	277	43	0.17	1.08	3	0.92		8	5
F35T5/WM	2	120	70	0.59	0.94	1	0.99		8	5
F35T5/WM	2	277	69	0.26	0.94	1	0.96		9	5
F28T5/HL	1	120	41	0.35	1.21	3	0.99	1.4	8	32
F28T5/HL	2	120	62	0.52	0.96	2	0.99	1.4	7	32
F28T5/HL	1	277	41	0.15	1.21	3	0.97	1.4	10	0
F28T5/HL	2	277	60	0.23	0.96	2	0.98	1.4	6	0
F14T5/HE	1	120	23	0.19	1.2	5	0.99		9	5
F14T5/HE	1	277	23	0.11	1.2	5	0.78		10	5
F14T5/HE	2	120	37	0.32	1.1	3	0.99	1.4	9	32
F14T5/HE	2	277	37	0.14	1.1	3	0.89	1.4	10	32
F14T5/WM	2	277	36	0.13	1.1	3	0.97	1.4	11	32
F21T5/HE	2	277	50	0.18	1.04	2	0.98	1.4	7	32
F21T5/HE	2	120	51	0.43	1.04	2	0.99	1.4	8	32



