

Dimmable Electronic Ballast for 1x13-18W

Type: FL 1x18/100-277V TCD DIM-D

ArticleNumber:213039

Approved For Lamps: TC-S/D 1x13/18W
TC-T/D 1x13/18W



Specifications:

- Universal input voltage (120-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda >0.98^*$)
- DALI interface, Dimming range from 1-100%
- Lamp start at 1% possible, defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- Automatic lamp recognition for optimum operation With standardized data acc.to IEC
- PUSH-DIM,dimming and switching via push-button with memory function
- Error feed back and programmable features in DALI mode, switching via the mains or with digital signal
- Dimming which is comfortable to the eye
- Full electronic lamp management and digital communication with ASIC and μC
- Constant light output independent of fluctuating supply voltage
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating temperature($t_a = -20 \rightarrow +50^{\circ}C$)

Approvals:



执行标准/Approvals:

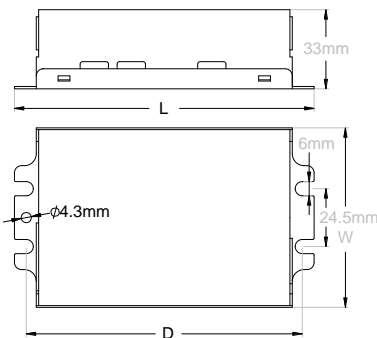
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|---------------------------|------------------------------|
| UL Listed #935 | ANSI C82.11 Ballast Standard |
| FCC 47CFR Part 18 EMI/RFI | ANSI C62.41 Category A |
| EN 55015 | EN 55022 |
| EN 60924 sect.I-II | EN 60928 |
| EN 60929 | EN 61000-3-2 |
| EN 61347-2-3 | EN 61547 |
| GB 15143-1994 | GB 17625.1-2003 |
| GB/T 15144-2005 | in accordance |
| with VDE 0108 | |

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	1	-	1	-
Lamp Power	13x1	13/18x1-	18 x1	W
Input Power	18.2	-	22.5	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.16A@120V	0.10A@230V	0.08A@277V	A
Power Factor	0.90	0.98	>0.98	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^{\circ}C$
Maximum Case Temperature(@ t_c)	-	-	75	$^{\circ}C$
Average Service Life	50,000	-	-	Hours

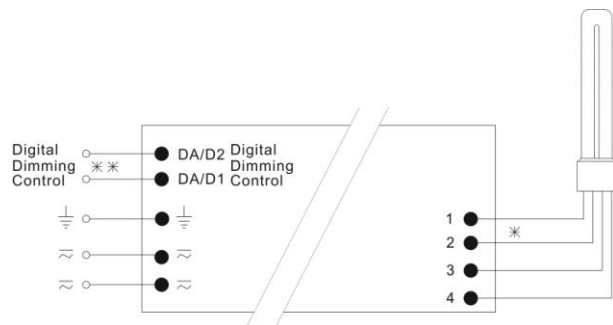
*Valid at ambient temperature of 25 $^{\circ}C$

Dimensions:



LxWxH=127x76x33(MM)

Wiring Diagram:



Ballast has plug in wire trap connectors.
Use 18 AWG solid copper wire(dia. 0.5-1.0mm2)
stripped to 5/16" (7.0~8.5mm)
Ballast must be grounded.Use external ground wire.

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We reserve the right to changes in design. Jul.08