



## ES5844K

ANALOG DIMMING  
ELECTRONIC BALLAST  
0 to 10 vDC CONTROL

### APPLICATION and PERFORMANCE SPECIFICATION

**Description:** High frequency dimming electronic ballast for (1) 54W T5HO lamp  
ES-1-T5-54-UNV-K-DIM-10

- Line voltage: 120vac to 277vac, ±10%, 50-60Hz
- Super LampGard™ lamp end-of-life protection
- Programmed rapid start
- Active power factor correction

Ballast Voltage	Lamp		Input Watts		Input Amps		PF	BF	BEF	THD	Crest Factor
	Type	#	Max.	Min.	Max.	Min.					
120	F54T5HO	1	63	12	0.53	0.10	> .99	1.00	1.58	<10%	< 1.7
277	F54T5HO	1	63	14	0.23	0.06	> .98	1.00	1.58	<10%	< 1.7

Data taken at 100% Light Level unless otherwise noted.

Application and operation performance specification information subject to change without notification.

#### Performance:

- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 for EMI and RFI Non-Consumer Limits

#### Safety:

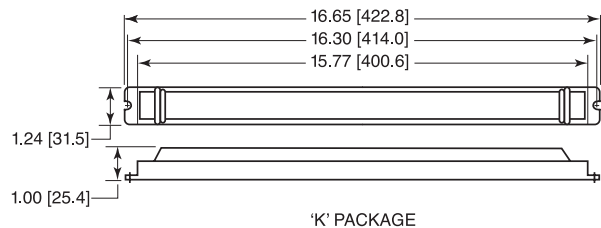
- No PCB's
- UL LISTED (Class P, Type 1 Outdoor)
- CSA Certified

#### Application:

- Minimum starting temperature: 32° F, 0° C
- Maximum case temperature: 194° F, 90° C
- Sound rating: Class A
- May not be compatible with some "powerline carrier" and/or infrared systems; consult factories
- Dimming range: 100% to 1% light output
- Remote mounting: Not recommended
- Line voltage protection for control circuit

#### Physical Parameters:

- Length (including brackets): 16.65"
- Length (mounting dimension): 16.30"
- Length (case only): 15.77"
- Width: 1.24"
- Height: 1.00"
- Weight: 0.73 lb.
- Carton quantity: 50
- Lead entry: End Feed



#### Dimming Control Specifications:

- 10 to 0 vDC Voltage Control
- 10v = maximum output
- 0v = minimum output
- Built-in line voltage protection circuit: Deep-dimming condition when line voltage is applied to control leads
- Can be wired as Class 1 or Class 2 Circuit
- Ballast will source a maximum of 200uA for control needs

#### Manufactured in North America

**Ballast must be grounded in accordance with national and local electrical codes**

#### Control Wiring

- Use Purple (+) & Gray (-) for connection to 0-10vDC.
- Ballast protected if line voltage is applied.
- Wiring Purple & Gray together provides 1% light output.
- Capping Purple & Gray separately provides 100% light output.

