



24V DC Input Electronic “Program Start”
High Efficiency Fluorescent Dimming Ballast



32/42W CFL (NB24-CF42-01D)

KEY FEATURES

- Low-voltage, 2 wire (class 2)
- 0-10V DC control technology
- Programmed rapid start design
- 0-10Vdc control technology (<1V turns ballast off.)
No need to cut power to the ballast to turn it off.
No contactors or relays necessary.
- Ultra quiet operation
- State-of-the-art Phase Control
- 10% fluorescent dimming ballast

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FEATURES

NB24-CF42-01D

- Low-voltage, 2 wire (class 2) 0-10Vdc control technology turns lamps off (<1 Volts) at the bottom of the voltage range. Lamps can be switched back on to a previous dimming level instantly
- Programmed rapid start design: Lamps turn on to any dimmed level without flashing to full brightness
- State-of-the-art Phase Control operation resulting in continuous, flicker-free dimming from 100% to 10%.
- Inherent Thermal Protection
- Type I, Class P, Sound rated A
- USL 935 Listed
- Input voltage is rated class 2, which does not require grounding. No provision exists for grounding. (Input 24V DC, <4A)

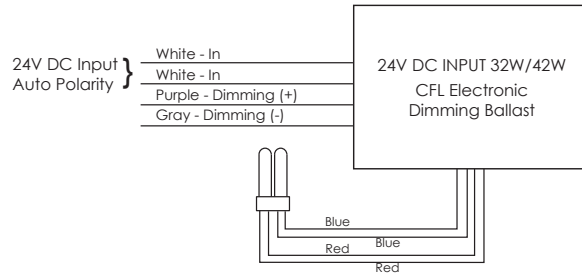
TECHNICAL SPECIFICATIONS

Operating Voltage:	24V DC (nominal) ±10%
Operating Current:	1.54 Amp @ 24V DC
Maximum Peak Inrush Current:	34 amps, 50 μS pulse width
Operating Temperature:	0°C-49°C
Maximum Ballast Factor:	0.9
Peak Efficiency at 32W	87%
Peak Efficiency at 42W	93%
Crest Factor:	<1.55
Analog Dimming:	10V DC - off, 1-10V DC - Dimming
Dimensions:	1.10"W x 0.96"H x 9.57"L
Weight:	16 Oz
Construction:	Steel
Operated With:	CFQ42, CFT42, CFQ32, CFT32

All specifications are subject to change without notice.

DC BALLAST WIRING DIAGRAM

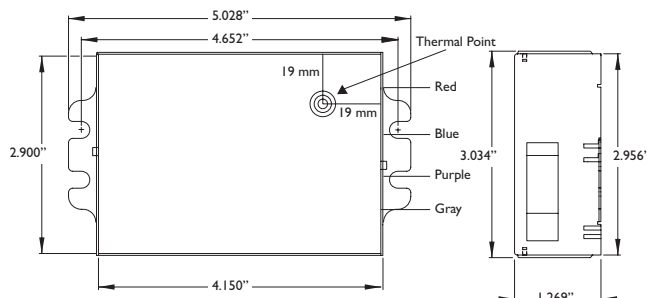
Model: NB24-CF42-01D



Note: ⚠️
Lamp holder must NOT be shorted
Low Voltage DC Operation Fuse protected

Protected by US Patent 7,224,131; 6,933,627; 6,693,395 and other patents pending

ENCLOSURE DIAGRAM



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