

PRODUCT INFORMATION

# FIFTHLIGHT CFL BALLAST



# DIMMABLE ELECTRONIC CFL BALLAST

Fifth Light Technology's line of compact fluorescent ballasts provide continuous dimming control through the Digital Addressable Lighting Interface (DALI).

## KEY PRODUCT FEATURES

- Integrated DALI communication interface connects to the network with non-twisted, non-shielded and non-polarized plenum rated wires
- Run communication wires in same conduit as power lines
- Available in 120/277 and 347 VAC
- Total Harmonic Distortion less than 10%
- Power Factor greater than 0.99
- Continuous dimming from 100% to 5%
- Variable ballast factor is field programmable to suit project specific conditions
- Stable light output that is free of flicker or audible noise despite poor power line quality
- 3 year standard warranty with a 6 year extended warranty available



## PERFORMANCE

Our ballasts are equipped with advanced dimming technology that provide smooth dimming from 100% to 5% light level.

### PARAMETER

Ballast Factor (BF)	Variable (0.05 - 1.0), field programmable
Power Factor (PF)	> 0.99
Total Harmonic Distortion (THD)	< 10%
Lamp Current Crest Factor (CF)	< 1.7
Light Dimming Range	100% - 5%
Lamp Life	100,000 on/off cycles
Lamp Starting	Programmed Rapid Start (Pre-Heat Time = 1.5 Seconds)
Operating Frequency	42 kHz - 100 kHz
Light Output Variation	Constant light output ( $\pm$ 1%) for line voltage variation of $\pm$ 10%
Ambient Operating Temperature	10 °C - 60 °C (50 °F - 140 °F)
Lamp Start Temperature (Min.)	10 °C (50 °F)
Ballast Case Temperature (Max.)	75 °C (167 °F)
Sound Rating	Inaudible in a 27dBa ambient
Maximum Inrush Current	7.0 A
Class 1 to Class 2 Isolation	2.0 kV
Standby Power	1.5 W/2.0W/2.0W (for 120V/277V/347V, respectively)
Communication Interface	DALI (<30 V)

### STANDARDS

- UL 935
- ANSI C82.11 High Frequency Ballast Standard
- ANSI C62.41 Cat. A Surge Protection (up to 4.0 kV)
- Class P Thermal Protection
- Manufactured in a ISO 9001 certified factory
- Lamp end of life protection circuitry

MODEL NUMBER	VOLTAGE (VAC, input*)	CURRENT (Amps, max)	POWER (W, max)	# OF LAMPS	CASE TYPE	ORDER CODE
FLT-120/277-1-18WCFL-DALI	120/277	0.19/0.10	21/20	1	A	10401
FLT-120/277-2-18WCFL-DALI	120/277	0.34/0.16	39/68	2	A	10402
FLT-120/277-1-26WCFL-DALI	120/277	0.28/0.12	28/27	1	A	10403
FLT-120/277-2-26WCFL-DALI	120/277	0.50/0.23	54/53	2	A	10404
FLT-120/277-1-32WCFL-DALI	120/277	0.34/0.15	38/37	1	A	10405
FLT-120/277-2-32WCFL-DALI	120/277	0.58/0.26	71/70	2	A	10406
FLT-120/277-1-40WCFL-DALI	120/277	0.42/0.17	45/43	1	A	10407
FLT-120/277-2-40WCFL-DALI	120/277	0.80/0.35	90/89	2	A	10408
FLT-120/277-1-42WCFL-DALI	120/277	0.43/0.19	47/45	1	A	10409
FLT-120/277-2-42WCFL-DALI	120/277	0.82/0.36	92/91	2	A	10410
FLT-347-1-26/32WCFL-DALI	347	0.11/0.13	31/37	1	B	10411
FLT-347-2-26/32WCFL-DALI	347	0.19/0.24	57/70	2	B	10412

\*Minimum/maximum AC input voltage for 120V/277V and 347V ballasts is 108/305 and 295/365, respectively.

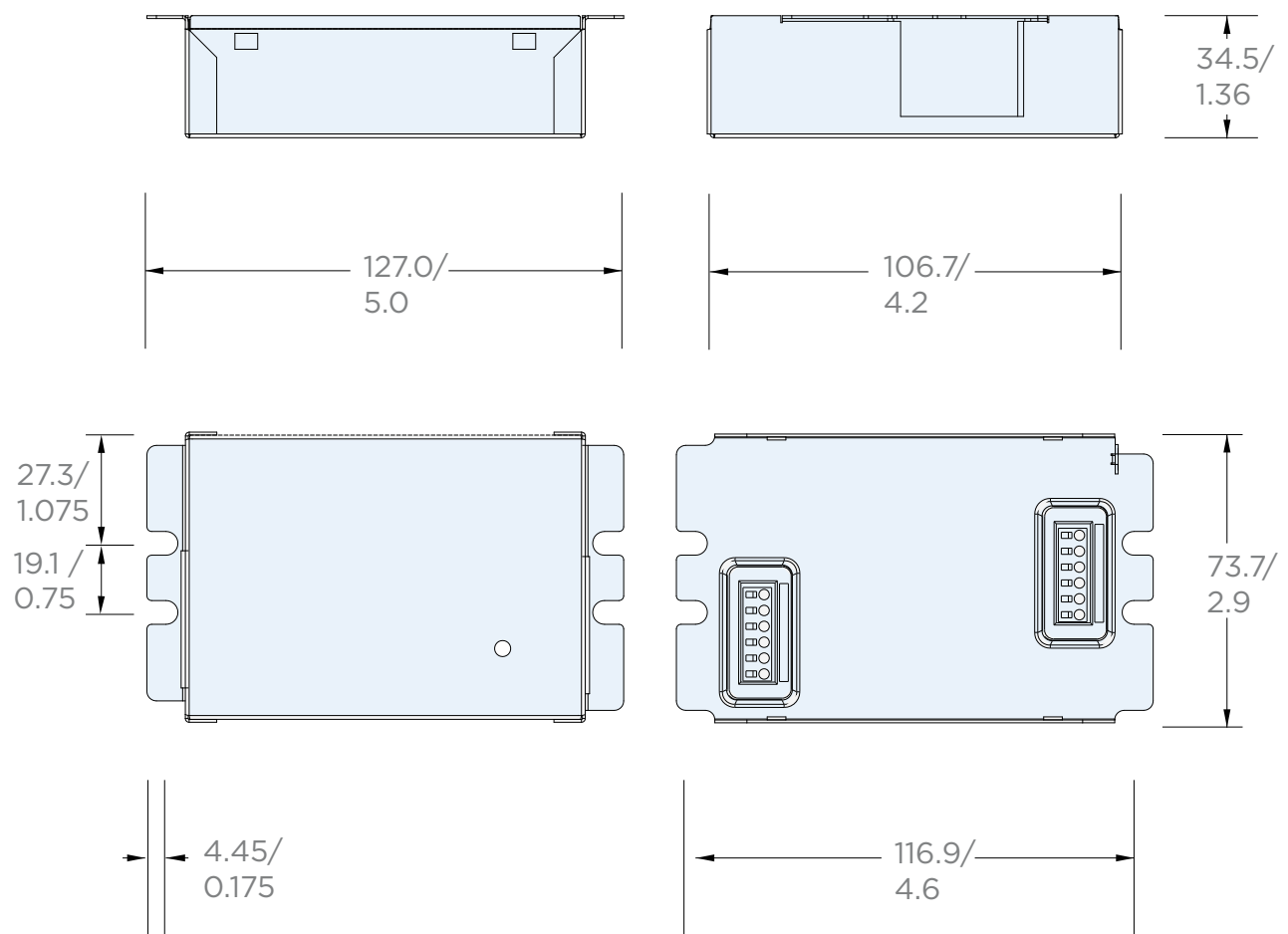
CFL



# DIMENSIONS (MM/INCHES)

## CASE TYPE A

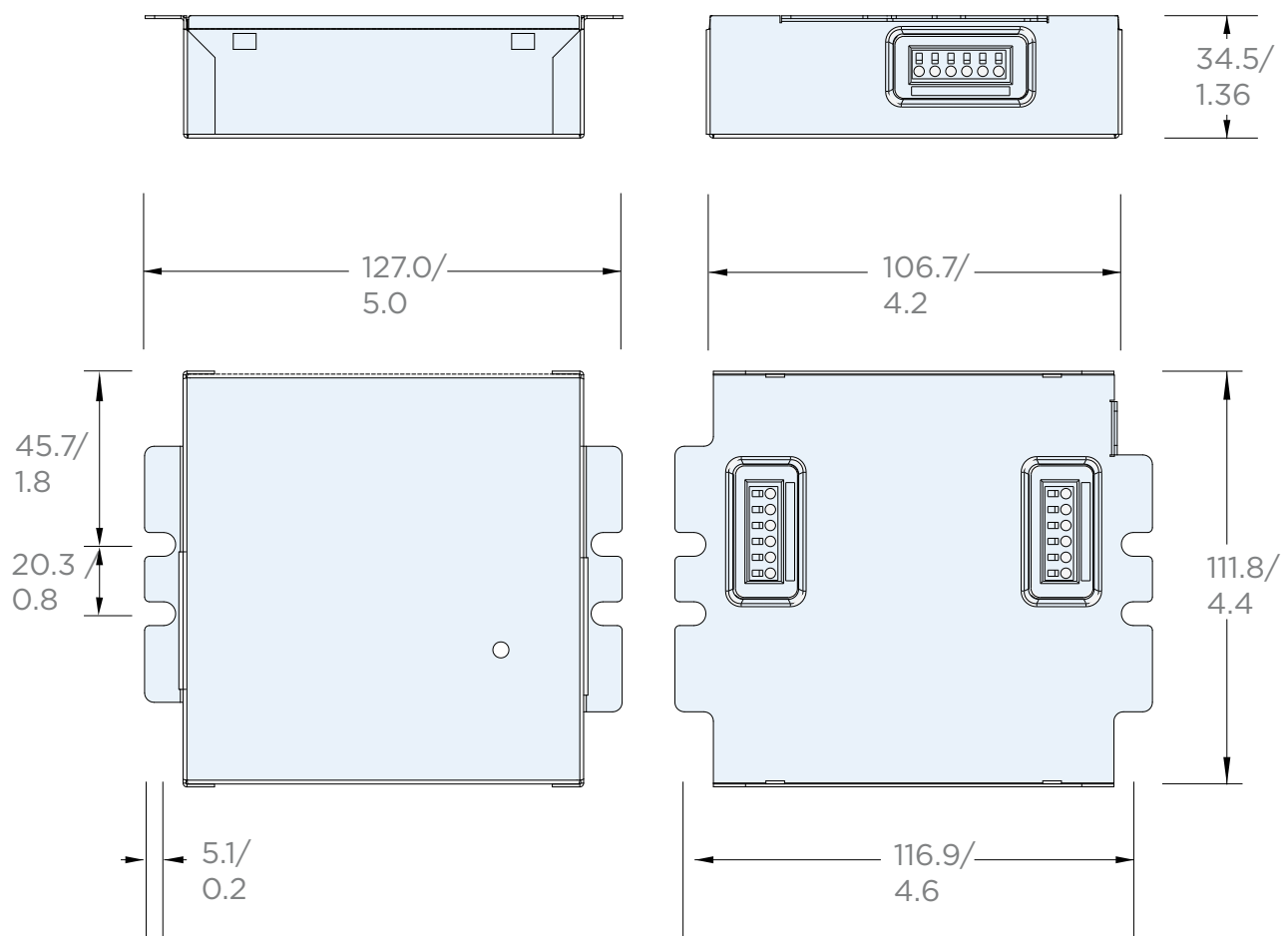
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DIMENSIONS  
(MM/INCHES)

CASE TYPE B

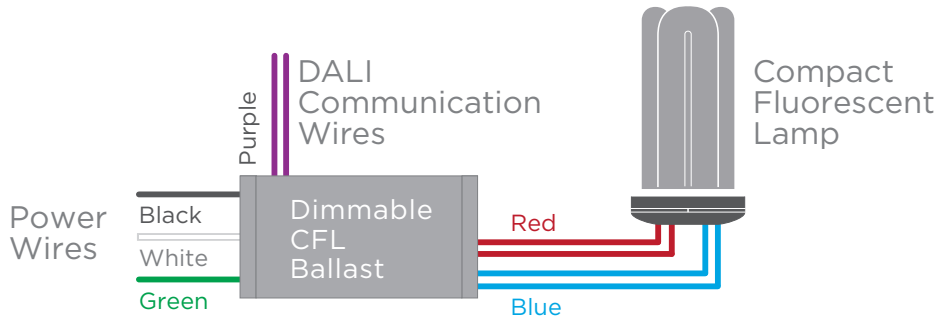
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# ELECTRICAL CONNECTIONS

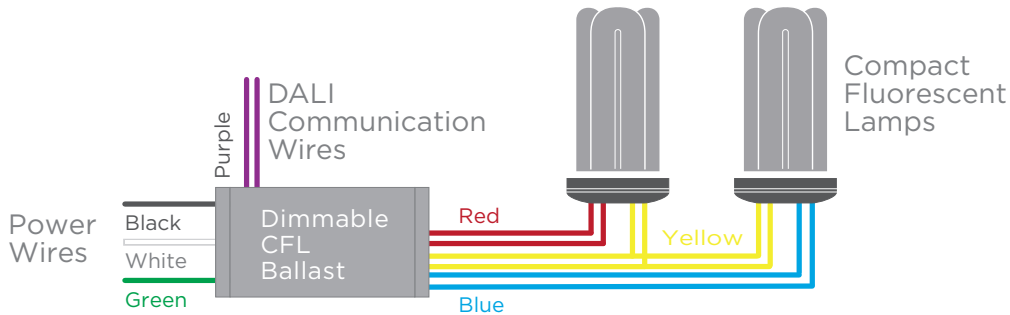
## 1 LAMP MODELS

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## 2 LAMP MODELS

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### IMPORTANT NOTE

- Install in accordance with all applicable national and local electrical & building codes.
- Specifications subject to change without notice.



## CONTACT INFORMATION

FOR SALES & TECHNICAL SUPPORT  
PLEASE CALL OUR TOLL FREE NUMBER:  
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