



LED-35W Series

Narrow cross-section fits T5-style ballast channels
 Off-line Switch Mode LED Drivers
 Constant Current or Constant Voltage, with Isolation
 Black Magic Thermal Advantage™ Plastic Housing

Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 V Min/Max)
Input Over-Voltage:	Can endure 320Vac for 48 Hrs, 350Vac for 2 Hrs
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ >70% load, 120-277Vac
Inrush Current:	<10.0 Amps @ 230 Vac, cold start 25°C
Input Current:	0.37 A @ 120Vac, full load
Maximum Power:	35W
Current Regulation:	± 2% Over input line variation
Load Regulation:	± 4%
THD:	≤ 20% @ >70% load, 120-277Vac
Leakage Current:	400 µA Typical
Start Up Time:	<1S full output
Hold Up Time:	Half Cycle
Protection:	Output Over-Voltage, Output Over-Current, Short Circuit with auto-recovery, transient

Environmental Specifications

Minimum Starting Temp:	-30°C
Maximum Case Temp.	90°C
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
Sound Rating:	Class A
MTBF:	482,000 Hours @ full load and 40°C ambient conditions per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B compliant
Impact Resistance:	1g/s
Weight:	8.8 oz (250 grams) typical

Ordering Options:

-D: 0-10V & Resistance dimmable version comes with an extra two wires +Purple/-Gray on the output side. "-D" version is compatible with most quality 0-10V wall dimmers. See page 3 for additional specifications.



- Total Power: 35 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- Fully Encapsulated
- High Power Factor
- Designed to be DLC & Energy Star Compliant

Constant Current - Product Specifications

Model Number	Output Current (mA ±4%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED35W-100-C0350-XX	350	34-100	35	86%
LED35W-054-C0700-XX	700	18-54	35	86%
LED35W-036-C1050-XX	1050	18-36	35	85%
LED35W-028-C1250-XX	1250	14-28	35	84%

-XX indicates dimming options are available. See options at left. Blank = fixed current output

Constant Voltage - Product Specifications

Model Number	Output Current Range (mA)	Output Voltage (Vdc ±5%)	Max. Output Power (W)	Typical Efficiency
LED35W-028	313-1250	28	35	84%
LED35W-036	263-1050	36	35	85%
LED35W-054	175-700	54	35	86%
LED35W-100	88-350	100	35	86%

Class 2: US/Canada

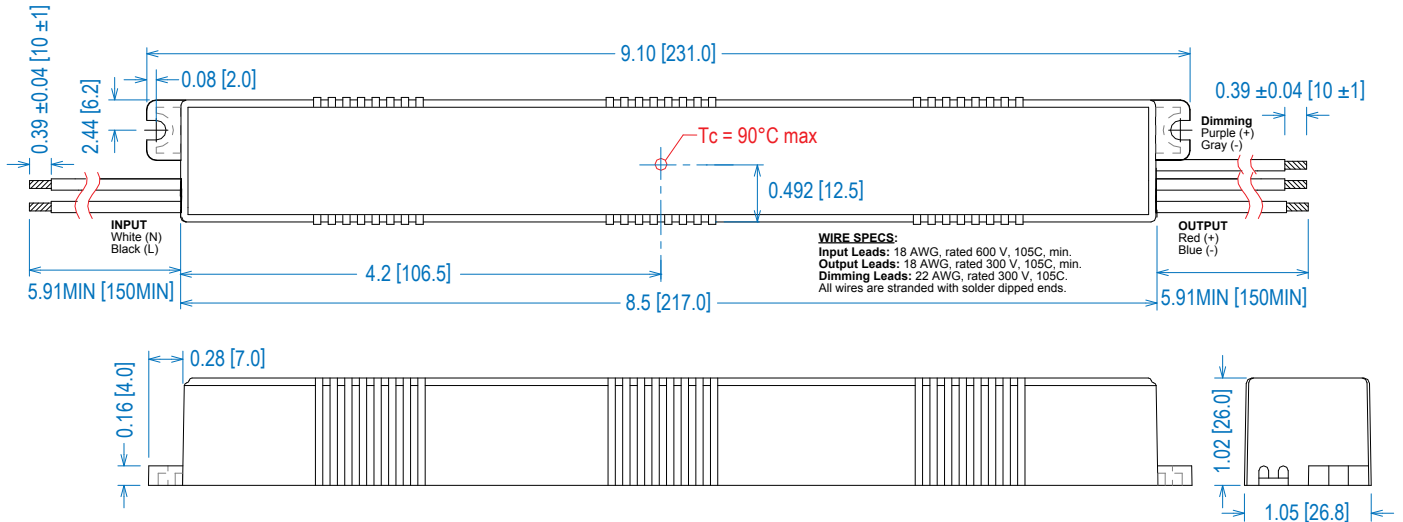


Note:
 LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.
 Specifications subject to change without notice.

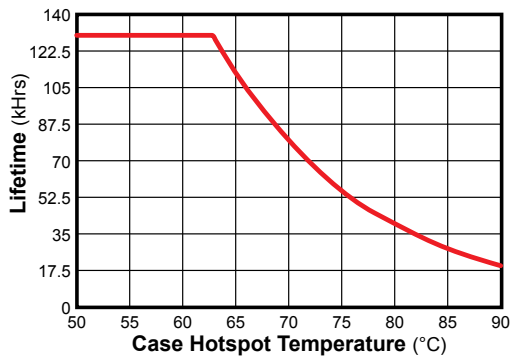
Rev 10-13-16



Dimensions - mm



Lifetime / Case Temperature



Note:

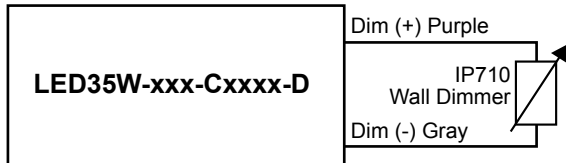
The area under the life-temperature curve represents where the driver has highly reliable operation within specification. Driver performance may drift out of published specifications as the hours of operation exceed the curve at a given temperature. Higher operating temperatures increase the chances of a failure to function. Other electrical, mechanical and environmental factors affect driver lifetime but are not represented in this calculation.

Safety Cert.	Standard
UL/CUL	UL8750
CSA	22.2
CE	EN61347
EMC Standard	Notes
EN61000-3-2	
EN61000-3-3	Class C
FCC, 47CFR Part 15	Class B

“-D” Option: 0-10VDC and Resistance Dimming

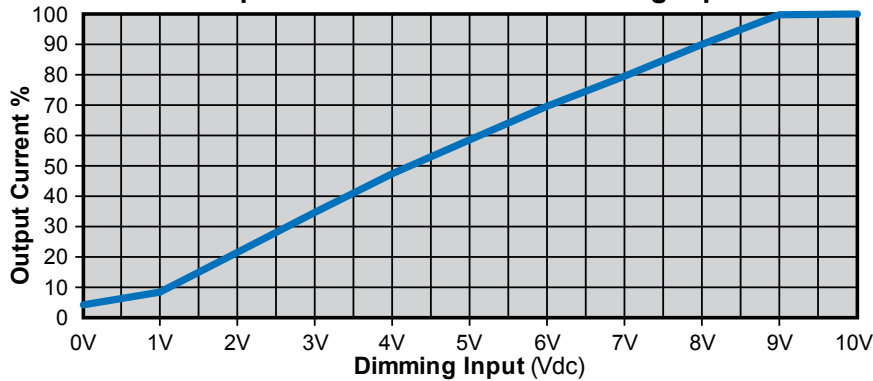
Parameters	Minimum	Typical	Maximum
Source Current out of 0-10V Purple Wire	0 mA	—	0.5 mA
Absolute Voltage Range on 0-10V (+) Purple Wire	-2.0 V	—	+15 V

Typical Dimming Circuit



(Dimmer must be current-sink type control)

Output Current / 0-10VDC Dimming Input



Notes:

1. 0-10V dimmable version comes with an extra two wires +Purple/-Gray on the output side.
2. Compatible with most 0-10V Wall Slide dimmers and direct 0-10V analog signal. Recommended dimmer is Leviton IP710 or equivalent
3. 0-10V dimmable version output will be $\leq 10\%$ @ 0-1.0V
4. 0-10V dimmable version output will be 100% with Purple/Gray open and minimum with Purple/Gray Shorted.