



Thomas Research Products

SSL Solutions Faster Than The Speed Of Light®

LED-40W Series– Line Voltage Dimmable

Constant Current LED Drivers

CCR Dimming: <8%-100%, both ELV & Inc in the same unit,
Black Magic Thermal Advantage™ Plastic Housing

Total Power: 40 Watts

Input Voltage: 120Vac or 230Vac

Outputs: Single from 12-114 Vdc

Isolated Between Primary and Secondary

Dust-proof and Water-resistant, IP66

NEMA4 Dry, Damp, Wet Location

Electrical Specifications

Input Voltage Range:	120Vac Nom. (90-135V) or 230Vac Nom. (180-295V)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ full load, 120Vac/230Vac
Inrush Current:	<15.0 Amps @ 120Vac, cold start 25°C, max load
Input Current:	0.40 Amps @ 120Vac, 60Hz, max load
Maximum Power:	40W
Line Regulation:	± 3%
Load Regulation:	± 5%
Output Protection:	Over-Voltage, Over-Current, and Short Circuit Protection with Auto Recovery

Environmental Specifications

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
Impact Resistance:	1g/s
MTBF:	375,000 Hours @ full load, 40°C ambient conditions per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B compliant
Weight:	11 oz. (311 g)



120Vac Input - ELV & INC Dimming Specifications

Model Number	Output Voltage Range (Vdc)	Output Current (mA ±5%)	Max. Output Power (W)	Typical Efficiency
LED40W120-114-C0350-TL	57-114	350	40	85%
LED40W120-054-C0700-TL	27-54	700	40	85%
LED40W120-040-C1000-TL	20-40	1000	40	84%
LED40W120-036-C1100-TL	18-36	1100	40	84%
LED40W120-030-C1300-TL	15-30	1300	40	83%
LED40W120-024-C1670-TL	12-24	1670	40	82%

230Vac Input - ELV & INC Dimming Specifications

Model Number	Output Voltage Range (Vdc)	Output Current (mA ±5%)	Max. Output Power (W)	Typical Efficiency
LED40W230-114-C0350-TL	57-114	350	40	86%
LED40W230-054-C0700-TL	27-54	700	40	86%
LED40W230-040-C1000-TL	20-40	1000	40	85%
LED40W230-036-C1100-TL	18-36	1100	40	85%
LED40W230-030-C1300-TL	15-30	1300	40	84%
LED40W230-024-C1670-TL	12-24	1670	40	83%

Class 2: US/Canada US Only



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 driver, 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.



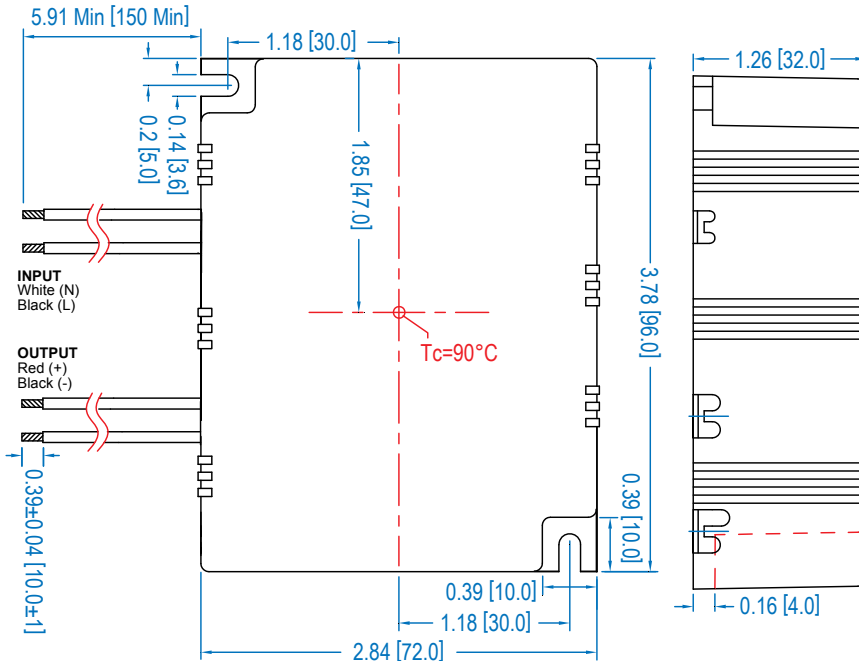
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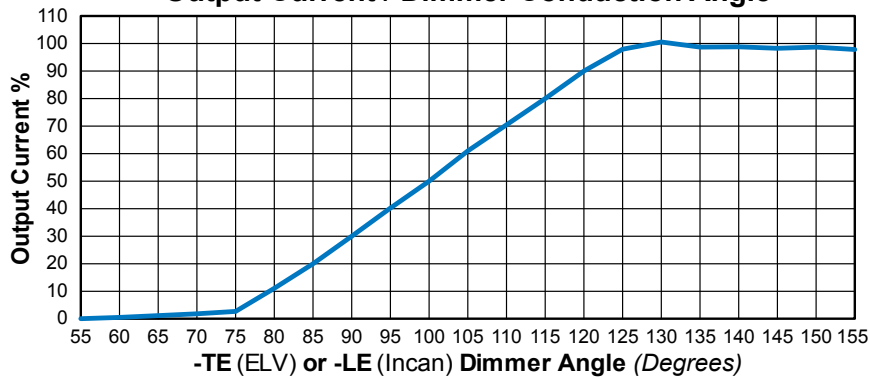
LED40W

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Dimensions - Inches (mm)



Output Current / Dimmer Conduction Angle



Safety and EMC Compliance	
UL/CUL	UL8750, CSA-C22.2
C E	EN 61347
FCC, 47CFR Part 15	Class B
EN61000-3-2	
EN61000-3-3	Class C

UL Conditions of Acceptability

See website for additional information