

N/A A

REVISIONS		
REV	DESCRIPTION	DATE
00	RELEASE TO PRODUCTION	02/08/2011

SAFETY STANDARDS COMPLIANCE:

SAFETY CERTIFICATIONS
 UL E301933
 cUL E301933

EMI STANDARDS:
 FCC 47 CFR PART 15 CLASS B
 CE EN55022, EN55011 CLASS B
 EN61000-4-2,3,4,5,6,8,11

SAFETY

INPUT RANGE:
 SEE TABLE

FREQUENCY: 60 Hz. **POWER FACTOR:** > 0.90
EFFICIENCY: 82 % **LEAKAGE CURRENT:**
PEAK INRUSH:
 20 AMPS @ 115V AC

INPUT

LOAD CAPACITY: 16.8 WATTS
 OUTPUT MIN MAX LOAD REG
 SEE TABLE 1

OUTPUT

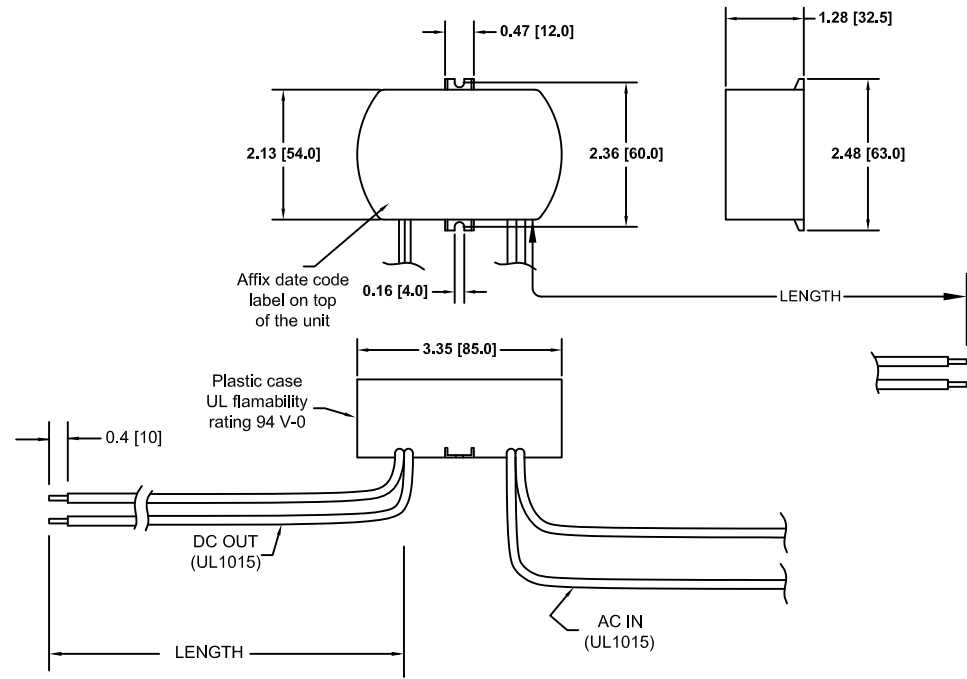
COOLING: CONVECTION **PROTECTION:**
 NOISE LEVEL: 0 dB OVP,OCP,SCP
 AUTO-RECOVERY

RELIABILITY (MTBF): (MIL-HDBK-217E)
 100,000 HRS. @ 25 DEG. C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
 OPERATING TEMPERATURE: -20 ~ 70°C
 RELATIVE HUMIDITY: 20 ~ 95%
 LOCATION: Dry use only

CONNECTOR:

MISCELLANEOUS



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	—	BROWN	LINE	18	6.5 [165]
	—	BLUE	NEUTRAL	18	
DC OUT	—	RED	+V	18	±0.5 [13]
	—	BLACK	GND	18	

P/N	Rev	Model number	Voltage		Current (5% mA)	Power Max	Input Voltage
			Min	Max			
20-4036	A	LD024D-CA05048-15	20	48	500	24.0	120Vac
20-4037	A	LD024D-CE05048-15	20	48	500	24.0	240Vac

MAGTECH Class 2 Power Supply Dimmable Constant Current

Model : LD024D-CA05048-15
 Input Voltage : 120Vac
 Input Current : 0.2A
 Input Frequency : 60Hz
 Input PF : >0.9
 Output Regulated Current : 500mA
 Output Max. Power : 24W
 Output Max. Voltage : 48Vdc
 Max case temperature tc = 85°C
 Suitable for a main supply dimmer

Output
 Blk Red
 E301933

Input
 L:Brown
 N:Blue

MAGTECH Class 2 Power Supply Dimmable Constant Current

Model : LD024D-CE05048-15
 Input Voltage : 240Vac
 Input Current : 0.12A
 Input Frequency : 50Hz
 Input PF : >0.9
 Output Regulated Current : 500mA
 Output Max. Power : 24W
 Output Max. Voltage : 48Vdc
 Max case temperature tc = 85°C
 Suitable for a main supply dimmer

Output
 Blk Red
 CE

Input
 L:Brown
 N:Blue

NOTE:

- Designed for powering LED luminaries with Standard lighting controls. The modules operate with:
 - Standard Light Switches
 - Triac based Incandescent Dimmers (Standard phase - leading edge)
 - Electronic Low Voltage Dimmers (Reverse phase - trailing edge)
- Magtech provides 5 years warranty @ 85°C

MANUFACTURED BY: -- LUCIFER

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UNLESS OTHERWISE SPECIFIED		
DIMENSIONS IN INCHES (MM)	APPROVAL DATE	01/07/2011
TOLERANCES: .X DECIMALS± .05 [1.3] .XX DECIMALS± .02 [0.5] .XXX DECIMALS± .005 [0.13] ANGLES± 1° FRACTIONS± 1/16	EFFECTIVE DATE	01/07/2011
DO NOT SCALE THIS DRAWING	CHECKED BY	
INTERPRET DRAWING PER ANSI Y14.5M	APPROVED BY	

MAGTECH

TITLE: LD024D-CAxxxx-15, CN-0233

MODEL NO. LD024D-CAxxxx-15 DWG NO. FD-0054 REV. 00 SH OF 1 1