

REVISIONS		
REV	DESCRIPTION	DATE
B0	CHANGED PER ECN 21-001	11/01/2023
A2	CHANGED PER ECN 20-006	05/12/2021
A1	CHANGED PER ECN 16-017	12/20/2016
A0	RELEASE TO PRODUCTION	07/09/2015

SAFETY STANDARDS COMPLIANCE:
UL8750
UL1310

LVD EN61347-2-13
EMI STANDARDS:
FCC 47 CFR PART 15 CLASS B
CE EN55015, EN61547
EN61000-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
UL E357847
cUL E357847
LVD
15KWS090064L
EMC DIRECTIVE
15KWE092993E

INPUT RANGE:
110 - 277 VAC, 0.50 - 0.18 A @ FULL LOAD.

FREQUENCY: 50 / 60 Hz. POWER FACTOR: >0.9
EFFICIENCY: 85 % Typ. LEAKAGE CURRENT:
PEAK INRUSH: 0.66mA Max.

8 AMPS @ 115V AC
16 AMPS @ 230V AC

LOAD CAPACITY:	40 WATTS				
OUTPUT	MIN	MAX	LOAD REG	MAX. RIP	
24V	170mA	1700mA	±5%	5%	

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

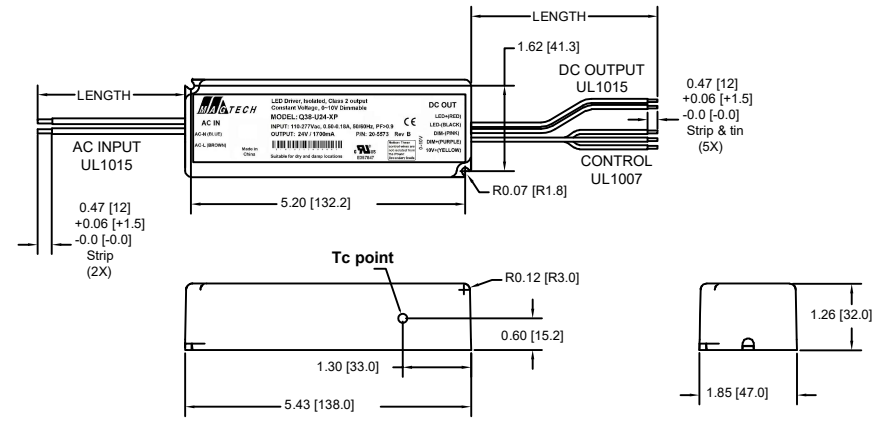
RELIABILITY (MTBF): (MIL-HDBK-217E)
100,000 HRS. @ 25 °C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -20 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95% (NON CONDENSING)
LOCATION: DRY AND DAMP USE ONLY

CONNECTOR:
N/A

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 40W

- Notes:
- 1.- 5 yrs warr provided tc point remains below 75°C
 - 2.- Bar code defined by drawing 77-0120.
 - 3.- Transformer – Rated Class 130 (B) insulation system
 - 4.- Dimming: 0-10V Dimming
 - 5.- Drivers comply with UL8750 Supplement SF



MAGTECH LED Driver, Isolated, Class 2 output
Constant Voltage, 0~10V Dimmable
MODEL: Q38-U24-XP

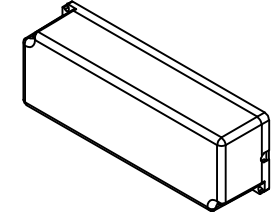
AC IN DC OUT
AC-N (BLUE) LED+(RED)
AC-L (BROWN) LED-(BLACK)
 DIM-(PINK)
 DIM+(PURPLE)
 10V+(YELLOW)

INPUT: 110-277Vac, 0.50-0.18A, 50/60Hz, PF>0.9
OUTPUT: 24V / 1700mA P/N: 20-5573 Rev B

Made in China Suitable for dry and damp locations E357847

0-10V DIM+(PURPLE) 10V+(YELLOW)

Notice: These control wires are not isolated from the Power Secondary leads



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	---	BROWN	LINE	18	6.5 [165]
AC IN	---	BLUE	NEUTRAL	18	
DC OUT	---	RED	+V	18	±0.5 [±13]
DC OUT	---	BLACK	GND	18	
DIM CNTL	---	YELLOW	+10V OUT	20	
DIM CNTL	---	PURPLE	DIM+	20	
DIM CNTL	---	PINK	DIM-	20	

MANUFACTURED BY: ES

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES (MM)
TOLERANCES:
.X DECIMALS±: .05 (1.3)
.XX DECIMALS±: .02 (0.5)
.XXX DECIMALS±: .005 (0.13)
ANGLES±: 1°
FRACTIONS±: 1/16

QC:

TITLE: Q38-U24-XP, 110~277VAC, 24V, 1700mA, 5YRS

DO NOT SCALE THIS DRAWING APPROVAL DATE: 07/16/2015 MODEL NO. Q38-U24-XP DWG NO. M20-5573 REV. B0 SH OF 1 1

INTERPRET DRAWING PER ANSI Y14.5M EFFECTIVE DATE: 07/09/2015

FORM PF-004