

REVISIONS		
REV	DESCRIPTION	DATE
A1	CHANGED PER ECN 16-017	12/20/2016
A0	RELEASE TO PRODUCTION	07/08/2015

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	1050mA
MAX	23 Volts
LOAD REG	36 Volts
MAX. RIP	±5%
	5%

COOLING: CONVECTION **PROTECTION:**
 NOISE LEVEL: 0 dB OCP,SCP,OLP,OVP
 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:

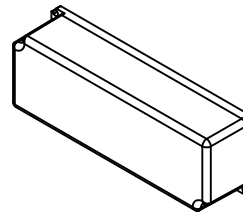
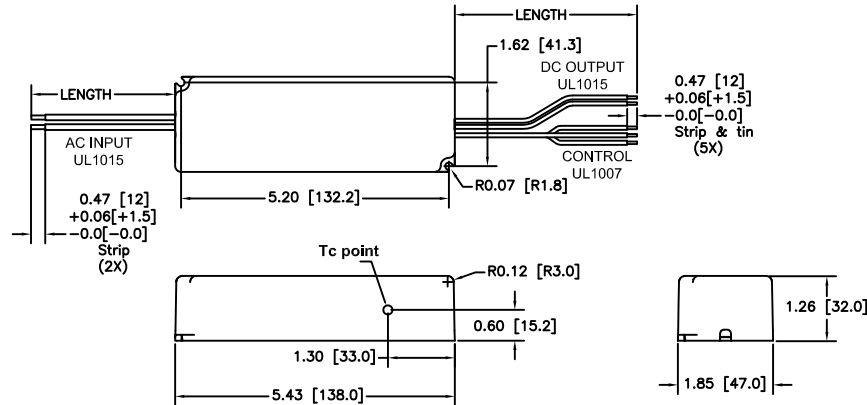
- 1.- 5 yrs warr provided Tc point remains below 75°C
- 2.- Bar code defined by drawing 77-0120.
- 3.- Transformer - Rated Class 130 (B) insulation system
- 4.- Dimming: 0-10V Dimming

SAFETY

INPUT

OUTPUT

MISCELLANEOUS



	LED Driver, Isolated, Class 2 output Constant Current, 0~10V Dimmable MODEL: Q38-U36-C1050-XP		DC OUT LED+(RED) LED-(BLACK) DIM+(PURPLE) DIM-(YELLOW) 0-10V
	AC IN AC-N (BLUE) AC-L (BROWN)		

CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	--	BROWN	LINE	18	6.5 [165] ±0.5 [±13]
	--	BLUE	NEUTRAL	18	
DC OUT	--	RED	+V	18	
	--	BLACK	GND	18	
DIM CNTL	--	YELLOW	+10V OUT	20	
	--	PURPLE	DIM+	20	
	--	GRAY	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-U36-C1050-XP, 110~277VAC, 1050mA, 23-36V, 5YRS		
DO NOT SCALE THIS DRAWING INTERPRET DRAWING PER ANSI Y14.5M	APPROVAL DATE: 07/15/2015 EFFECTIVE DATE: 07/08/2015	MODEL NO. Q38-U36-C1050-XP DWG NO. M20-5567 REV. A1 SH OF 1 1