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| Project Name: | |
| Type: | |

Q38 Series

40 Watts max | 110 - 277VAC

PRODUCT FEATURE

- Universal Input range from 100VAC~304VAC, 50/60Hz
- Versatile mechanical design maximizes design flexibility.
- Size: XP: TBD / XM:108.3x76.3x30mm (LxWxH)
- Fully potted, suitable for dry and damp location applications
- 3 in 1 Dimming Control plus "ENABLE" input
- UL8750 and CE compliant
- Wide selection of pre-adjusted C/C outputs (factory setting)



ELECTRICAL SPECIFICATIONS

| | | |
|---------------------------|---|---|
| INPUT RANGE | : | 100 - 277VAC |
| POWER FACTOR | : | > 0.92 at 65% to 100% load, 115VAC or 230VAC |
| INPUT CURRENT | : | 0.6 Amps max. at 115VAC |
| OUTPUT CURRENT REGULATION | : | ±3% |
| PROTECTION | : | OCP, SCP, OLP – Auto Recovery |
| CONTROL | : | 0-10V dimmer; PWM (250-3KHz); Potentiometer; Enable |
| HOLD UP TIME | : | Half cycle min. at 120VAC and 80% rated load |
| FREQUENCY | : | 47 to 63Hz |
| INRUSH CURRENT | : | 13.0 Amps max. at 230VAC, cold start 25°C |
| EFFICIENCY | : | 87% Typical |
| MAXIMUM POWER | : | 40W (Constant Voltage) |
| LEAKAGE CURRENT | : | 50uA typ. |
| DIMENSION | : | XP: TBD/ XM: 108.3 X 76.3 X 30mm (L x W x H) |
| REGULATION COMPLIANCE | : | UL8750 or EN61347, EN55015, EN61547 |

ENVIRONMENTAL

| | | |
|---------------------------|---|--|
| OPERATING TEMPERATURE | : | -40 to 50°C, Tc: 85°C |
| STORAGE TEMPERATURE | : | -40 to + 85°C |
| HUMIDITY (NON-CONDENSING) | : | 5% to 95% |
| COOLING | : | Convection |
| VIBRATION FREQUENCY | : | 5 to 50Hz |
| MTBF | : | >100,00 Hours at full load and 25°C ambient conditions (TELC3 – Telcordia SR-332, Issue 3) |

WARRANTY

- See [Limited Warranty Policy](#) for more additional information.

MODEL SELECTION

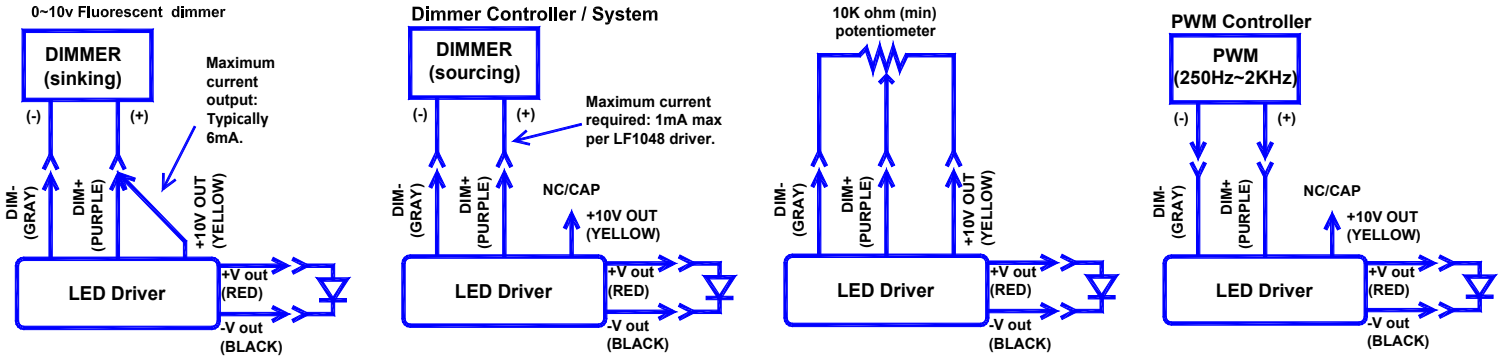
| MODEL NUMBER | CONSTANT VOLTAGE MODE | | | MODEL NUMBER | CONSTANT CURRENT MODE | | |
|--|-----------------------|--------|--------|------------------|-----------------------|---------|--------|
| | V (DC) | A (MA) | MAX. W | | A (MA) | V (DC) | MAX. W |
| Q38-U24-Xz | 24, ±5% | 1700 | 40 | Q38-U24-Cyyyy-Xz | 1850 ~ 830 | 14 ~ 24 | 40 |
| Q38-U36-Xz | 36, ±5% | 1150 | 40 | Q38-U30-Cyyyy-Xz | 1500 ~ 650 | 19 ~ 30 | 40 |
| Q38-U48-Xz | 48, ±5% | 850 | 40 | Q38-U36-Cyyyy-Xz | 1250 ~ 550 | 23 ~ 36 | 40 |
| Notes: 1. "Xz" is optional - "Blank" = 5VA plastic case ; "Xp" = 94V-0 plastic case ; "Xm" = stud-mount metal case 2. yyyy = Output current 3. 72VDC output is not UL certified | | | | Q38-U42-Cyyyy-Xz | 1050 ~ 470 | 27 ~ 42 | 40 |
| | | | | Q38-U48-Cyyyy-Xz | 950 ~ 570 | 30 ~ 48 | 40 |
| | | | | Q38-U54-Cyyyy-Xz | 820 ~ 420 | 34 ~ 54 | 40 |
| | | | | Q38-U72-Cyyyy-Xz | 610 ~ 250 | 47 ~ 72 | 40 |

Q38 Series

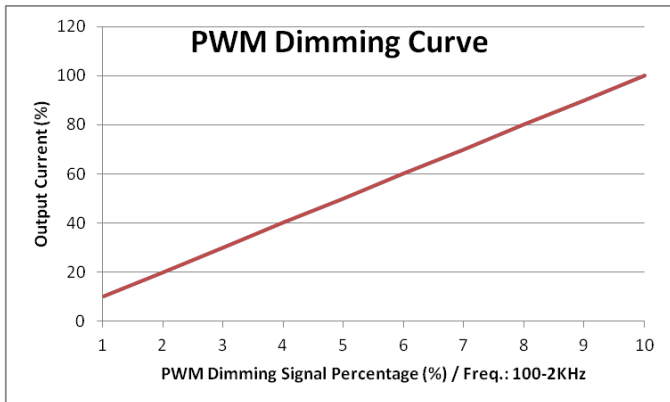
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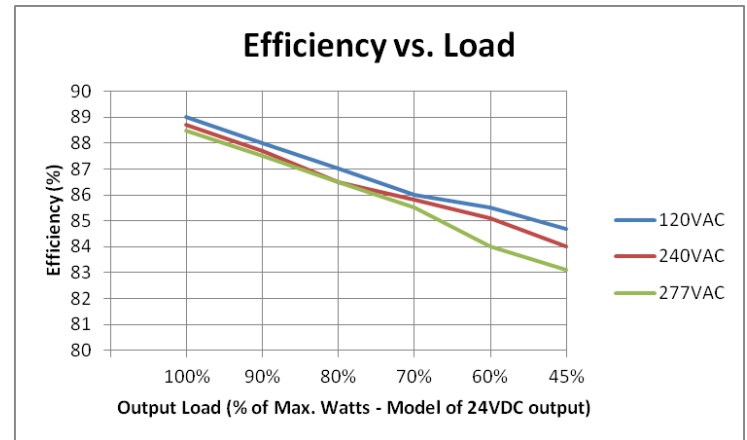
DIMMING WIRING DIAGRAM



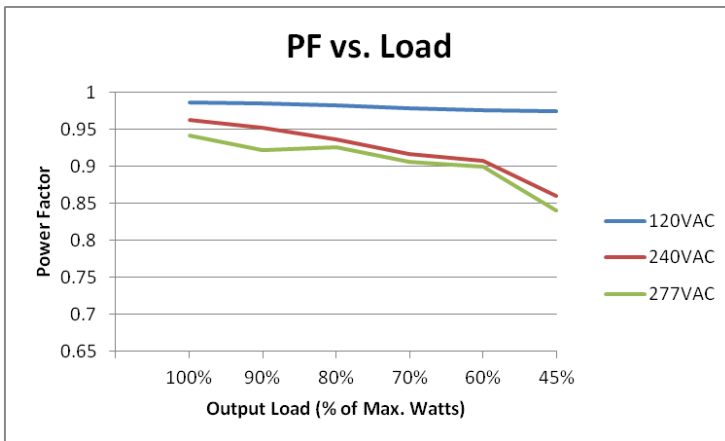
PWM DIMMING CURVE



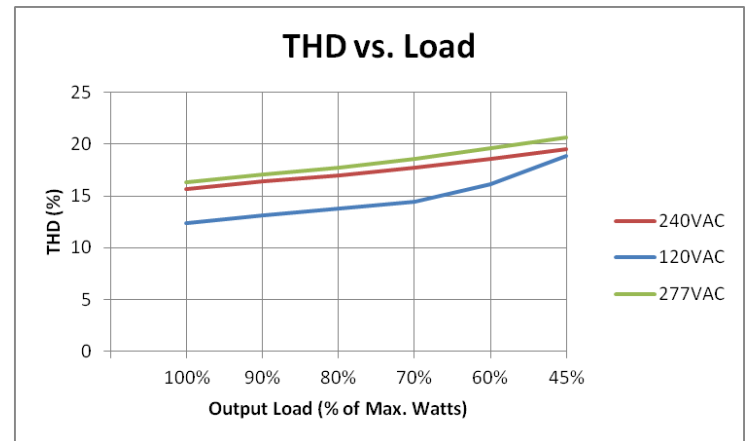
EFFICIENCY VS. LOAD



POWER FACTOR VS. LOAD



THD VS. LOAD

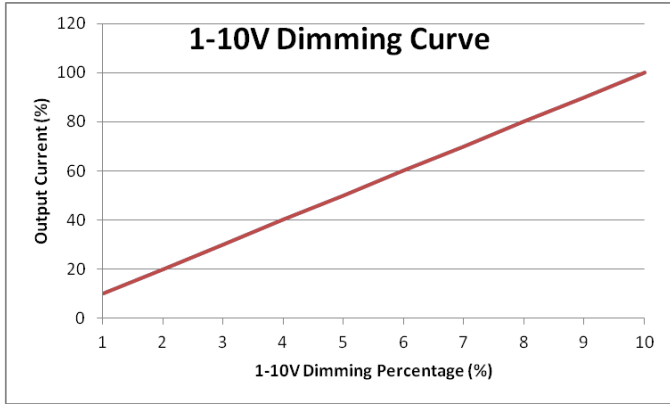


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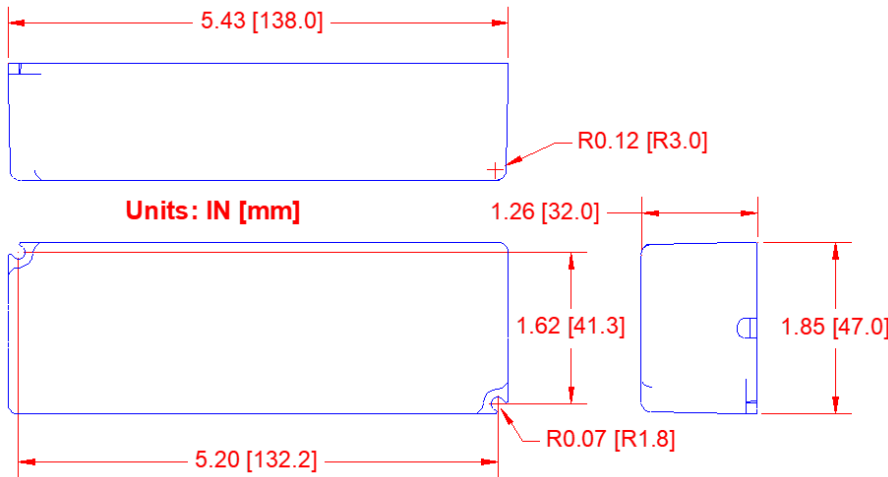
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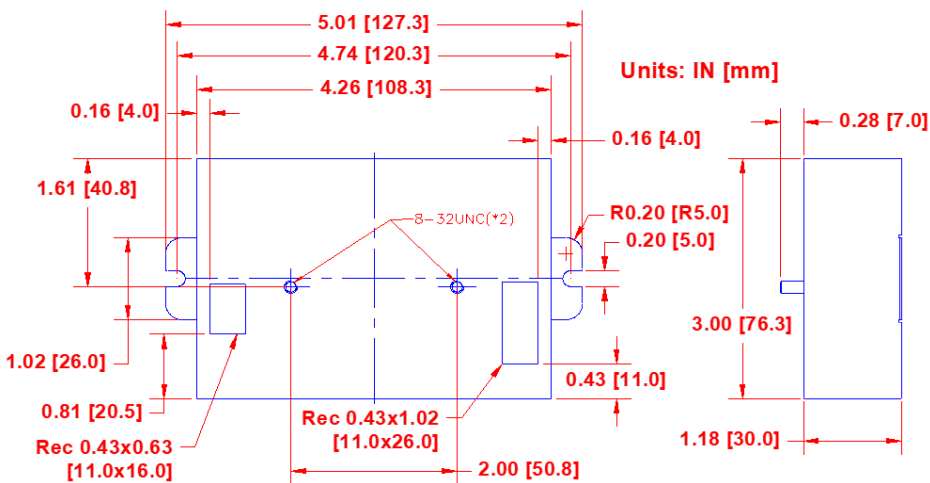
0-10V DIMMING CURVE



MECHANICAL DRAWING Q22-UXX-XP-CYYYY



XP, plastic enclosure



XM, metal stud-mount enclosure (Preliminary)