



Specter In-Track Adapter

GA-9409-900-25-A-3-YY



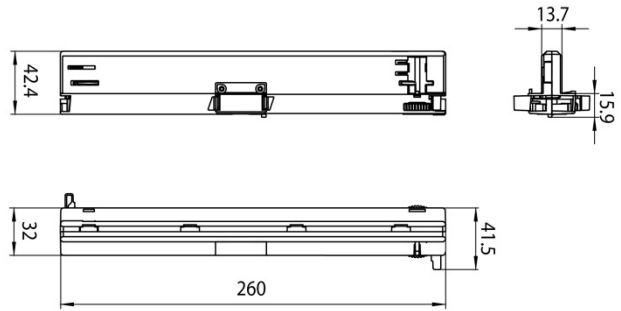
UL File No: E340871

CE Certified

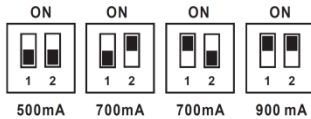
| | |
|---------------------------------|--|
| Adapter | Stucchi 9409-DRI-SM/ |
| Compatible track system | -NA Globaltrac pro -Concord -Eutrac 25101 -Hoffmeister -IG STD 677 -Ivela -Stucchi -Unipro T3 |
| LED Driver Specification | 120-277 V, 500-700-900 mA (DIP Switch) (See the page2-4) |
| Dimming | 0-10 V Dimming |

Mechanical

* Dimension in metrics



Installation Notes



1. Select the right current



2. Install with nipple



3. Insert wire

4. Mount with cover



Example Fixture



1. Input - specification

| | Units | Minimum | Typical | Maximum | Notes |
|----------------------------------|---|----------------------------|---------|------------------------------|--|
| Input Voltage Range(Vin) | Vac | 108 | 120-277 | 304 | |
| Input Frequency Range | Hz | 50 | 60 | 63 | |
| Input Power | W | | 27 | | |
| Power Factor(PF) | | 0.9 | >0.9 | | From 100% to 80% of rated power |
| Input Current | A | - | - | 0.22A@120VAC 0.09A@277VAC | |
| Inrush Current | A | Meet NEMA 410 requirements | | | See the inrush current information |
| Total Harmonics Distortion (THD) | | | | 20% | At nominal input voltage and nominal LED voltage |
| Efficiency | | - | >85% | - | Efficiency is measured after driver has thermally stabilized + full load |
| Isolation | Meet UL1310/UL8750 for class 2 isolation power supply | | | | |

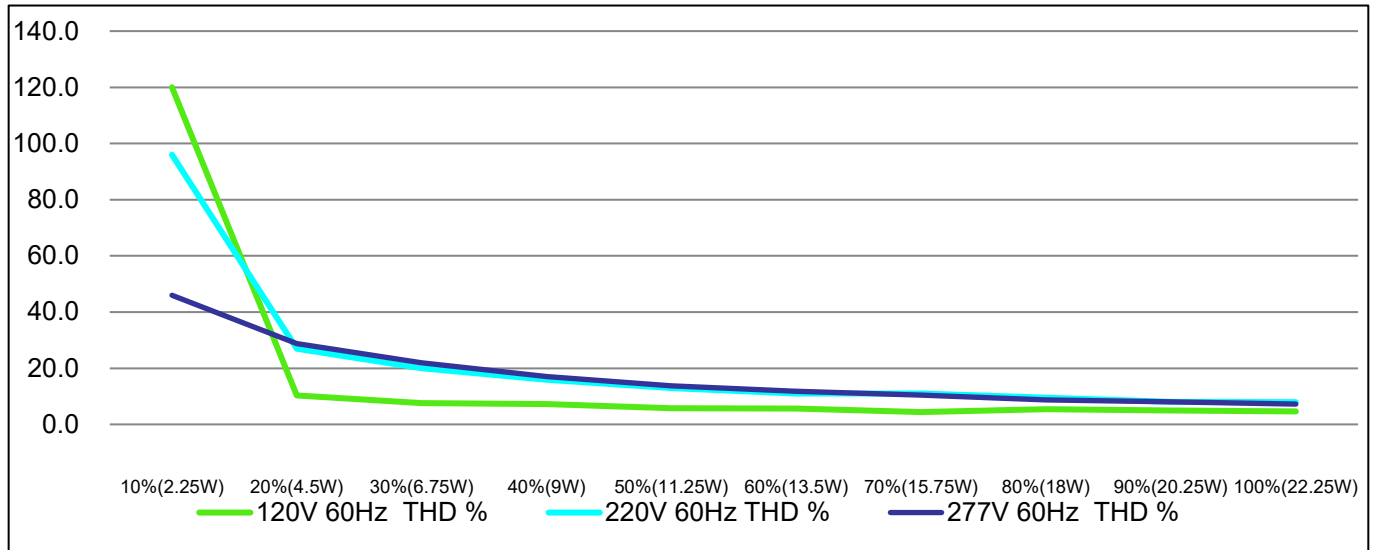
2. Output - specification

| | Units | Minimum | Typical | Maximum | Notes |
|----------------------------|---|----------------|-------------|---------|---|
| Output Voltage(Volt) | Vdc | 10 | | 25 | |
| Output Current(Iout) | mA | | 500-700-900 | | |
| Output Current Tolerance | % | | ±3 | | |
| Output Ripple Current | < 30% peak-to-peak of 500-700-900 mA | | | | <p>≤20% pk-to-pk of the rated output current for all models with Vout max ≥38V</p> <p>≤50% pk-to-pk of the rated output current for all models with Vout max ≤30V</p> <p>At nominal LED voltage and nominal input voltage without dimming</p> |
| Dimming Range | % | 1% | | 100% | Please refer to Dimmer compatibility list |
| Star-up Time | ms | | 200-350 | | <ul style="list-style-type: none"> Measured at the Maximum load and normal input voltage. Complies with California title 24 and Energy star® luminaire specification. |
| Isolation | Meet UL1310/UL8750 for class 2 isolation power supply | | | | |
| Operation Case Temperature | °C | -30 | | 80C | |
| Audible Noise | dB | < 24dB Class A | | | |

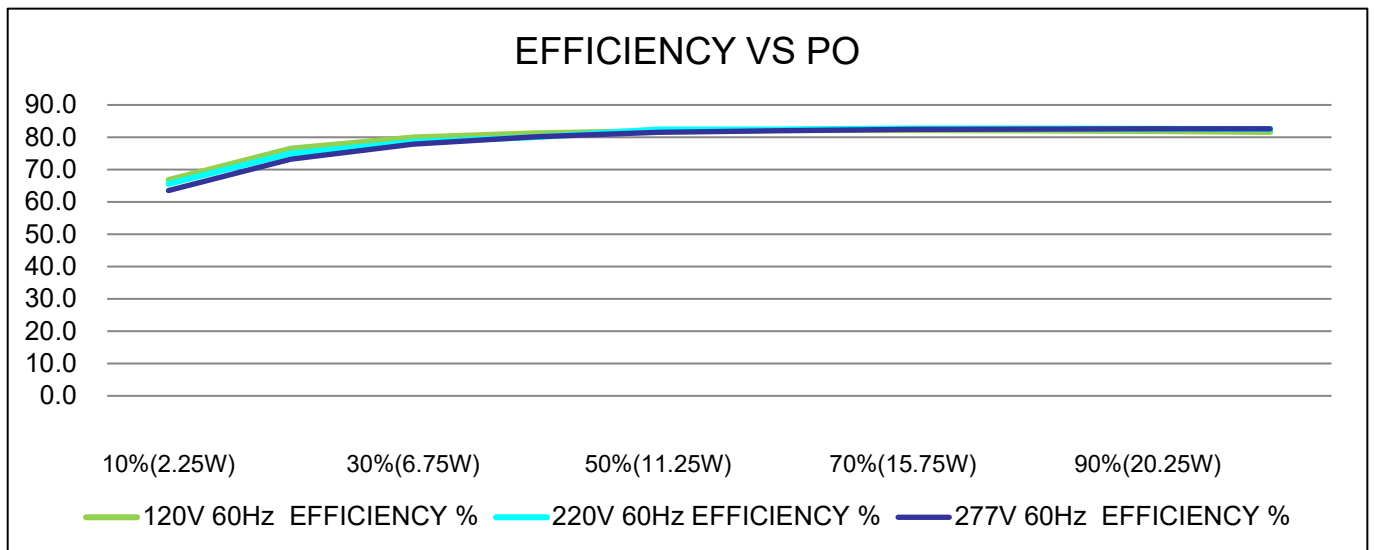
3. EMC / Protection / Compliance

| | | | | | |
|----------------------------|-------------------------------|--|--|--|--|
| Conducted and Radiated EMI | | FCC CFR Title 47 Part 15 Class B and EN55015(CISPR 15) Class B compliant | | | |
| Immunity Compliance | ESD (Electrostatic Discharge) | IEC61000-4-2 | 6 kV contact discharge, 8 kV air discharge, level 3 | | |
| | Electrical Fast Transient | IEC61000-4-4 | ±2 kV on AC power port for 1 minute, ±1kV on signal/control lines | | |
| | Surge | IEC61000-4-5 | ±2kV line to line/±2kV line to earth on AC power port, ±0.5kV for outdoor cables | | |
| Transient Protection | Ring Wave | | ANSI/IEEE c62.41-1-2002 & c62.41-2-2002 category A, 2.5kV ring wave | | |

THD of the driver VS Power Output (W) :

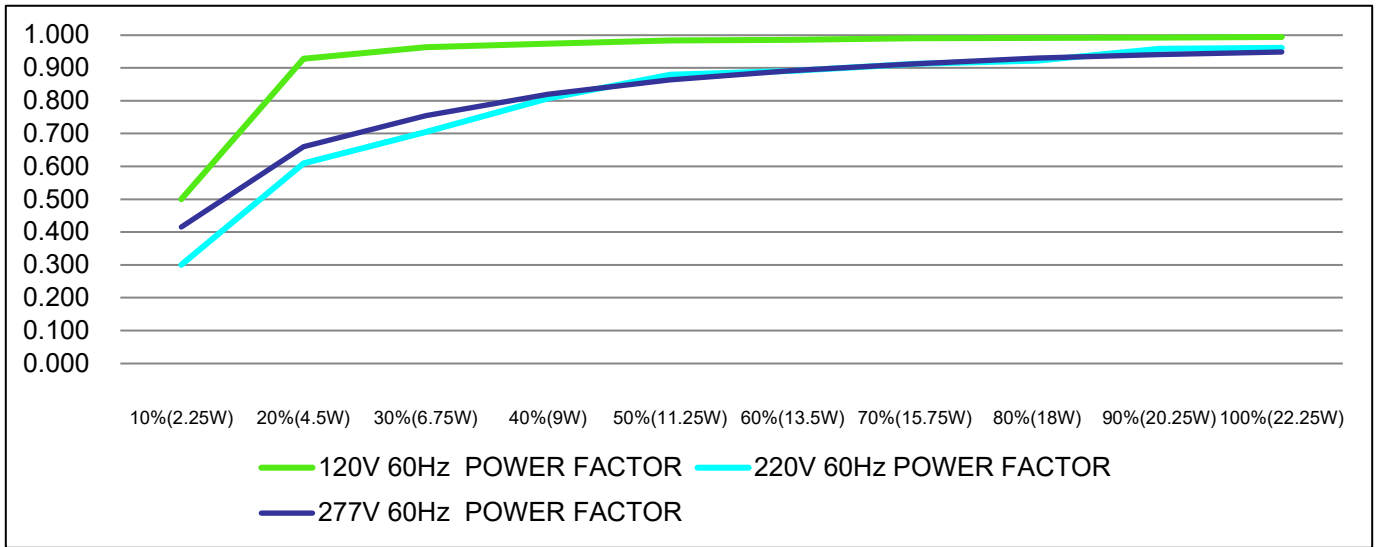


Efficiency of the driver VS Power Output (W) :

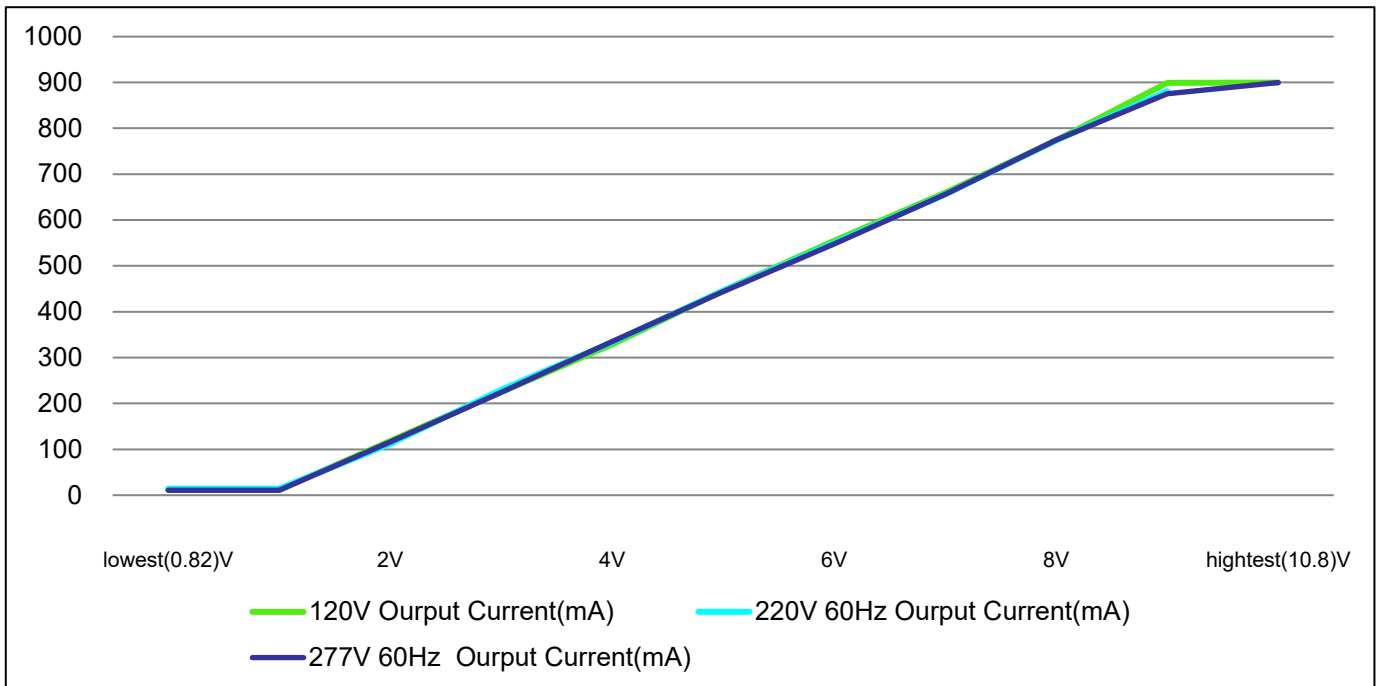


Electrical Specifications

Power Factor VS Power Output (W):



0-10V Dim Voltage(V) VS Output Current:



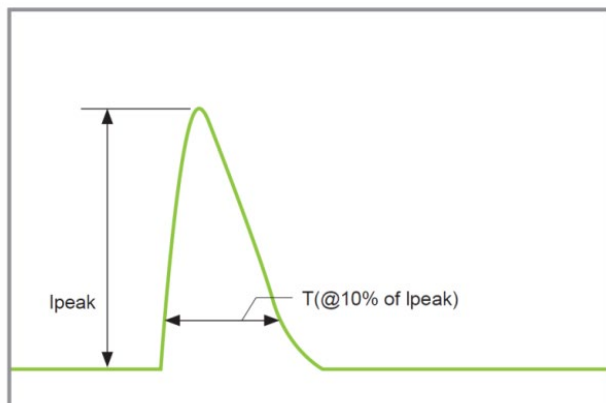
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Electrical Specifications

Inrush Current Information



| Current | V _{in} | I _{peak} | T(@10% of I _{peak}) | Input Capacitance |
|---------|-----------------|-------------------|-------------------------------|-----------------------------|
| 900mA | 120 Vrms | 3.9A | 168 μ s | 49 μ F/ 0.49 μ F |
| | 277 Vrms | 11.9A | 100 μ s | 15 μ F/ 0.49 μ F |
| 700mA | 120 Vrms | 3.5A | 190 μ s | 38 μ F/ 0.49 μ F |
| | 277 Vrms | 10.3A | 94 μ s | 12 μ F/ 0.49 μ F |
| 500mA | 120 Vrms | 3.5A | 190 μ s | 27 μ F/ 0.49 μ F |
| | 277 Vrms | 10.3A | 94 μ s | 8 μ F/ 0.49 μ F |



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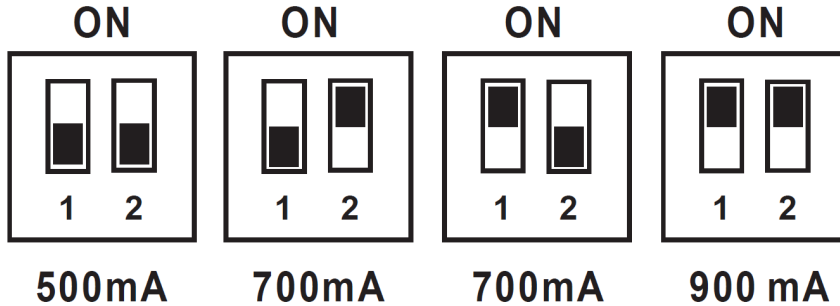
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Current Settings :

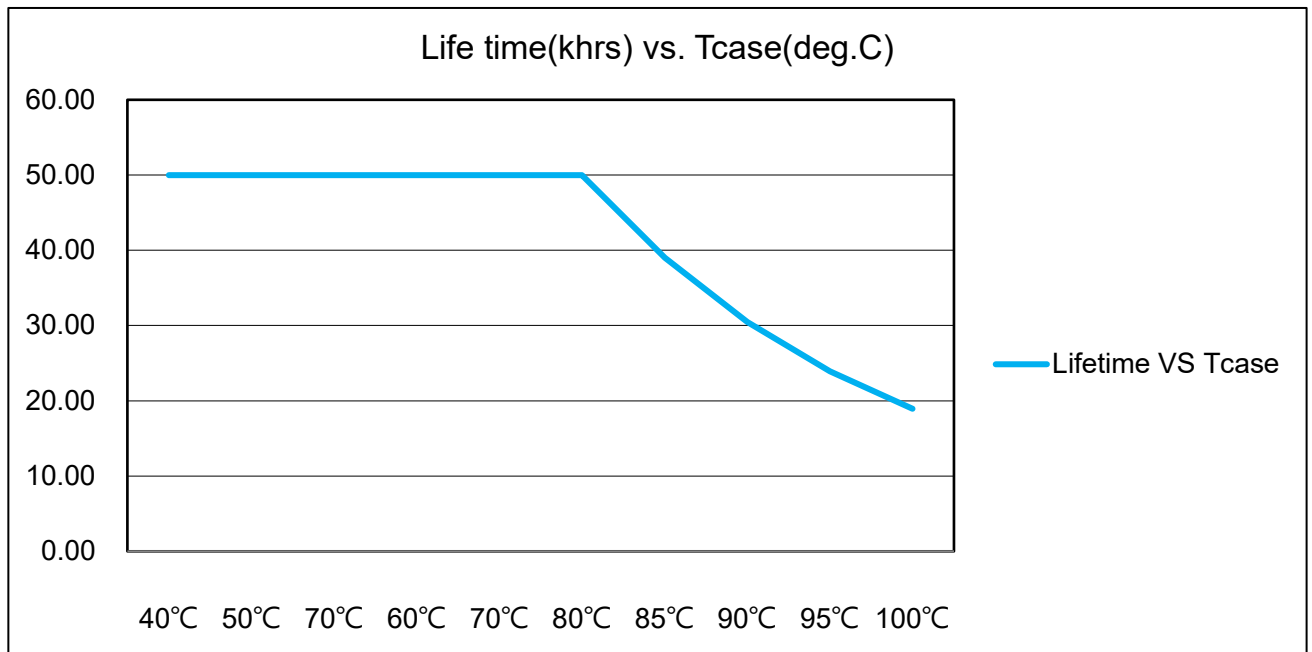
LED Current Tolerance over temperature and component variations is $\leq 5\%$ at any level.

The output current of the driver can be adjusted using the two dip switches provided on the top of the driver. The below pictures shows the switch positions required to set the current to different levels.



The driver will be shipped out of factory with both switches set to ON (900mA).

Lifetime VS Tcase of Driver



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