



Light
is our passion

30W 0-10V 'Dim to Dark' LED Drivers

Input characteristics

| | |
|--------------------------|--|
| Input voltage AC | 120-250V (ENEC approved) 120-277V (UL approved) |
| Input voltage DC | 120-250V |
| Input current | 0.35A max |
| Input frequency | 50-60Hz |
| Efficiency @ full load | /A: 84%, /B: 85% and /S: 85% |
| Efficiency @ 2/3 load | /A: ≥82%, /B: ≥83% and /S: ≥83% |
| Power factor @ full load | >0.9 |
| THD @ full load | <20% |
| Inrush current | negligible: 30mA ² s @ 277V |
| Surge protection | 2kV DM, 2kV CM |
| Standby power | <0.5W |

Output characteristics

| | |
|-------------------------------|--|
| LED output power | 30W max |
| LED output current range | /A: 200-1,050mA (settable) /B, /S: 200-1,400mA (settable) |
| LED output current resolution | programmable in 1mA steps |
| LED output current tolerance | +/- 5% |
| LED outputs | 1 (UL Class 2) |
| LED output voltage range | 2-55V |

Control characteristics

| | |
|----------------------|--|
| Control channels | 1 |
| Dimming protocol | 0-10V |
| Dimming range | 100%-0% |
| Dimming method | Hybrid HydraDrive |
| Dimming curve | logarithmic, linear, soft linear, square |
| Driver configuration | with TOOLbox pro and FluxTool |
| 0-10V isolation | to line voltage input: 1500V to LED output: 3750V |
| 0-10V current draw | <2mA |

Protection

| | |
|--------------------------|---------------------|
| LED output short | yes |
| Overload | yes |
| Reverse polarity | yes, for LED output |
| Restart after protection | yes |

Product offering



SOLOdrive 361/A

P/N: SL0361A2

SOLOdrive AC, 30W, 0-10V, constant current, 1x 55V output, side feed, plastic long



SOLOdrive 361/B

P/N: SL0361B2

SOLOdrive AC, 30W, 0-10V, constant current, 1x 55V output, bottom feed, metal square

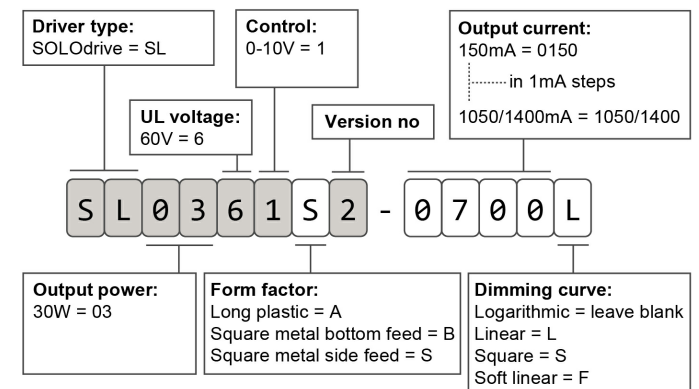


SOLOdrive 361/S

P/N: SL0361S2

SOLOdrive AC, 30W, 0-10V, constant current, 1x 55V output, side feed, metal square

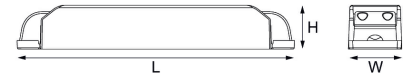
Order number configuration



Dimensions, weight and packaging

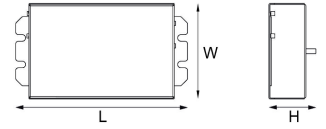
SOLOdrive 361/A

| | |
|--------------------|------------------------------------|
| LxWxH | 210x40.4x33.5mm / 8.27x1.59x1.32in |
| Weight | 225 g / 7.94 oz |
| Drivers per carton | 50 pcs |



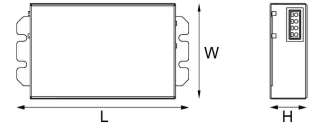
SOLOdrive 361/B

| | |
|--------------------|----------------------------------|
| LxWxH | 130x72x34.4mm / 5.12x2.83x1.35in |
| Weight | 285.5 g / 10.07 oz |
| Drivers per carton | 40 pcs |



SOLOdrive 361/S

| | |
|--------------------|--------------------------------|
| LxWxH | 130x72x28mm / 5.12x2.83x1.10in |
| Weight | 285.5 g / 10.07 oz |
| Drivers per carton | 40 pcs |



Standards and certifications

Standards compliance

| | |
|--------------------------|---|
| EN | 61347-1/-2-7/-2-13, 62384, 55015, 55022, 61000-3-2, 61547 |
| UL, Recognized Component | UL 1310, UL 8750 (Class 2 output) Type TL LED driver |
| FCC | 47 CFR Part 15 class B |
| RoHS | RoHS2 |

Certifications



Remarks RCM certification is pending

Wiring Specifications

| | |
|-------------------|---|
| Wire type | AWG 20-16, 0.5-1.5mm ² solid or stranded copper |
| Wire strip length | 9mm / 0.35in |

Wiring diagrams

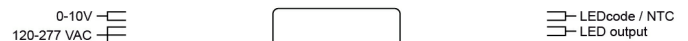
SOLOdrive 361/A



SOLOdrive 361/B



SOLOdrive 361/S



Thermal protection

| | |
|---------------------------|--|
| External NTC thermistor | throttling @ 70 °C / 158 °F (settable) |
| External thermistor value | 47kΩ |
| Recommended thermistors | 238164063473 (leaded) NTCASCWE3473J (screw) |

Thermal specification

| | |
|--------------------|--|
| Ta operating range | -20°C ... +50°C / -4°F ... +122°F |
| Tc max | /A: 85°C/185°F, /B, /S: 80°C/176°F |
| Tc lifetime | /A: 80°C/176°F, /B, /S: 75°C/167°F |
| Type TL | /A: @1050mA: Tref 56°C, max 76°C /B, /S: @1400mA: Tref 54°C, max 81°C |

Warranty

| | |
|-----------------|---------|
| Warranty period | 3 years |
|-----------------|---------|