

LND100 6W - 12W

Flicker-free Indoor Non Dim LED driver.



PRODUCT FEATURES

- 200mA / 250mA / 300mA
- Optical flicker %, <3%
- High Power Factor (>0.90)
- MTBF >100K hours
- IP20

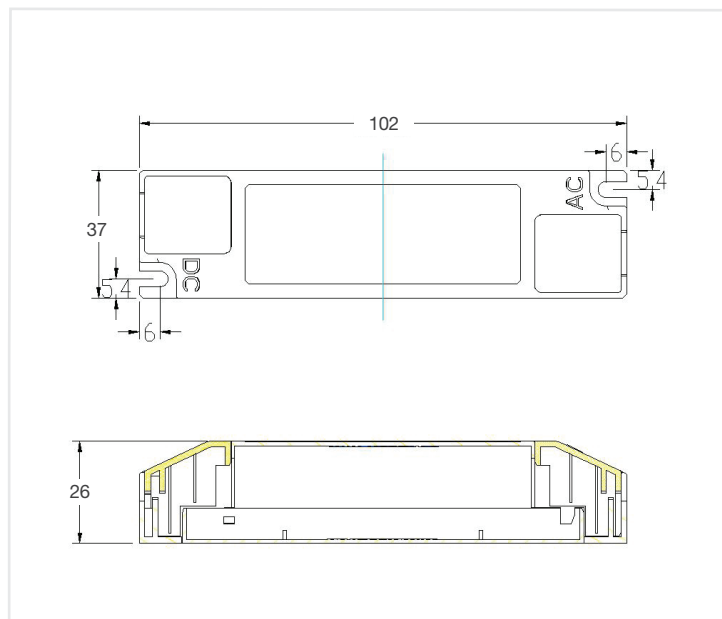
APPLICATION

- For linear, track light, down light and custom made lighting for indoor retail and hospitality applications

FUNCTIONS

- Overload protection
- Short-circuit protection
- No-load protection
- Hot-pluggable

DIMENSIONS (MM)





DETAILS SPECIFICATIONS

| | | |
|------------|-------------------------------|----------------------------|
| Input | Rated supply Voltage | 220 - 260 Vac |
| | Input voltage AC | 180 - 264 Vac |
| | Input Current | 0.07A @230Vac |
| | Inrush current | 1.5A 344uS @ 230V/50Hz |
| | Leakage Current | <0.28 mA @230Vac Full Load |
| | Input No Load Power | <0.5 W |
| | THD (at 230V, 50Hz) | <15% |
| | Power factor | >0.90 @ 230Vac Full Load |
| | Mains frequency | 50Hz/60Hz |
| Output | LED Output Power | 6W - 12W |
| | Output Voltage | 30V - 40V |
| | Current Range | 200mA / 250mA / 300mA |
| | Tolerance | +/- 5% |
| | Ripple | <3% |
| | Optical flicker % | <3% |
| | Efficiency | 85% |
| | Turn On Time | <1s |
| Protection | Over Load Protection | Yes |
| | Over Temperature Protection | Yes |
| | Short circuit Protection | Yes |
| | Self Recover after Protection | Yes |

| | | |
|---------------------------|---------------------------|---------------------------|
| Standard & Certifications | Safety | EN 55015 |
| | | EN 61547 |
| | | EN 61000-3-2 |
| | | EN 61000-3-3 |
| | | EN 61347-1, EN 61347-2-13 |
| EMC | CISPR15 | |
| | RoHS | Yes |
| Dimension | Weight | ~60g |
| | L x W x H | L102 x W37 x H26mm |
| Environment | Ambient Temperature | -20°C - +50°C |
| | Working Humidity | 0% - 95% |
| | Storage Temp/Humidity | -20°C ~ +85°C, 0 ~ 85% RH |
| Lifetime | >50,000 hours at Tc, 80°C | |
| Warranty Period | 3 years | |

MAXIMUM LOADING OF CIRCUIT BREAKERS

| Automatic Circuit Breaker Type | B10 | B13 | B16 | C10 | C13 | C16 |
|--------------------------------|-----|-----|-----|-----|-----|-----|
| Amount of LED drives | 27 | 35 | 43 | 40 | 52 | 64 |

MODEL DATA

| Type | Rated Power | Output Forward Voltage Ranges | Output Current Ranges | Output Power Ranges |
|------------------------|-------------|-------------------------------|-----------------------|---------------------|
| LND100 8W 30-40V 20CC | 10W | 30-40V | 200mA | 6W - 8W |
| LND100 10W 30-40V 25CC | 12.5W | 30-40V | 250mA | 7.5W - 10W |
| LND100 12W 30-40V 30CC | 15W | 30-40V | 300mA | 9W - 12W |

| Current Ripple | Optical Flicker % | Max. Tc, Case Temperature | Dimming Options |
|----------------|-------------------|---------------------------|-----------------|
| <3% | <3% | 80°C | Non Dim |
| <3% | <3% | 80°C | Non Dim |
| <3% | <3% | 80°C | Non Dim |

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ORDERING MATRIX CHART

| Type | Part number | Unit/carton | Dimension/carton | Weight/carton |
|------------------------|-------------------|-------------|------------------|---------------|
| LND100 8W 30-40V 20CC | LND100MOV3040CC20 | 50 | 32 x 28 x 18 cm | 3.2 kg |
| LND100 10W 30-40V 25CC | LND100MOV3040CC25 | 50 | 32 x 28 x 18 cm | 3.2 kg |
| LND100 12W 30-40V 30CC | LND100MOV3040CC30 | 50 | 32 x 28 x 18 cm | 3.2 kg |

example: LND100MOV3040CC20.50