



## Features

- Constant Voltage + Constant Current mode output(12/24V)
- Constant power mode output(56V)
- Wide input range 120-305VAC with PFC function
- Compliance with BS EN/EN61347/EN60335-1 regulations
- Class II power unit
- Slim and Compact housing Design
- No load power consumption <0.5W(12/24V)
- 5 years warranty

## Applications

- Strip lighting
- Decoration lighting
- Cabinet lighting
- Signage and display
- Cove lighting
- Household device lighting

## GTIN CODE

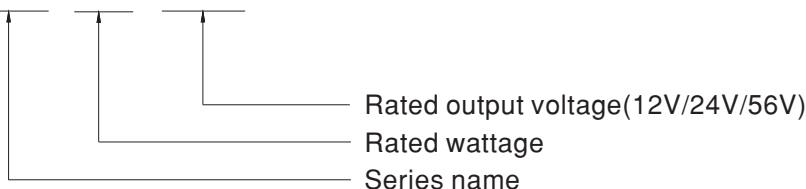
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## Description

SLD-150 series is a 150W AC/DC LED driver featuring with dual modes for constant voltage and constant current applications. SLD-150 operates from 120~305VAC and offers models with different rated voltage ranging between 12V and 56V. The 12V and 24V are suitable for constant voltage LED strip or household device and 56V is support for constant current application. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -25℃ ~ +85℃ case temperature under free air convection. SLD-150 design with low profile and slim housing which is good for signage and decoration lighting applications.

## Model Encoding

SLD - 150 - 24



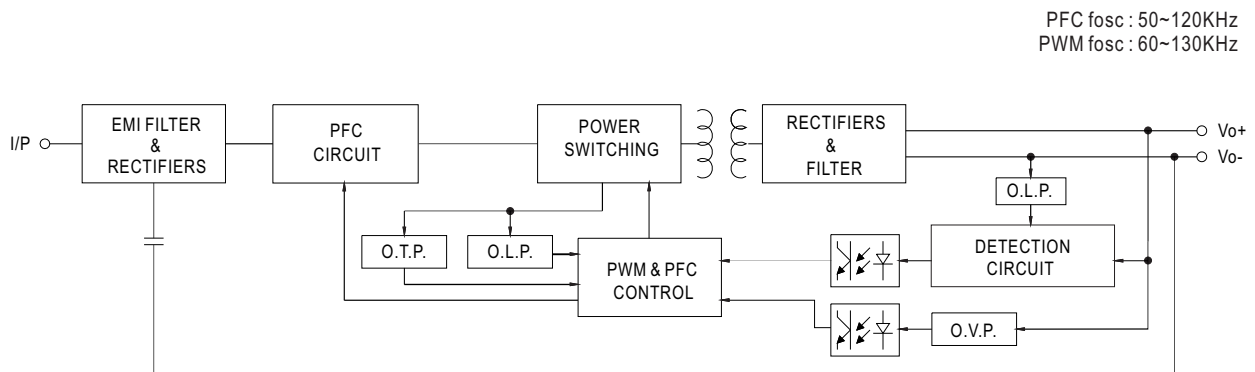
**SPECIFICATION:(Constant Voltage + Constant Current mode)**

| MODEL        |                                               | SLD-150-12                                                                                                                                            |                                                                                    | SLD-150-24 |                                                                             |  |
|--------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------|--|
| OUTPUT       | DC VOLTAGE (default)                          | 12V                                                                                                                                                   |                                                                                    | 24V        |                                                                             |  |
|              | CONSTANT CURRENT REGION <small>Note.2</small> | 8.4~12V                                                                                                                                               |                                                                                    | 16.8~24V   |                                                                             |  |
|              | RATED CURRENT                                 | 12A                                                                                                                                                   |                                                                                    | 6.3A       |                                                                             |  |
|              | RATED POWER <small>Note.5</small>             | 144W                                                                                                                                                  |                                                                                    | 151.2W     |                                                                             |  |
|              | RIPPLE & NOISE (max.) <small>Note.3</small>   | 180mVp-p                                                                                                                                              |                                                                                    | 240mVp-p   |                                                                             |  |
|              | VOLTAGE TOLERANCE <small>Note.4</small>       | ±4.0%                                                                                                                                                 |                                                                                    | ±3.0%      |                                                                             |  |
|              | LINE REGULATION                               | ±0.5%                                                                                                                                                 |                                                                                    | ±0.5%      |                                                                             |  |
|              | LOAD REGULATION                               | ±1%                                                                                                                                                   |                                                                                    | ±1%        |                                                                             |  |
|              | SETUP, RISE TIME <small>Note.6</small>        | 500ms, 80ms 230VAC                                                                                                                                    |                                                                                    |            |                                                                             |  |
|              | HOLD UP TIME (Typ.)                           | 10ms/230VAC                                                                                                                                           |                                                                                    |            |                                                                             |  |
| INPUT        | VOLTAGE RANGE <small>Note.5</small>           | 120~ 305VAC 170~ 431VDC<br>(Please refer to "STATIC CHARACTERISTIC" section)                                                                          |                                                                                    |            |                                                                             |  |
|              | FREQUENCY RANGE                               | 47 ~ 63Hz                                                                                                                                             |                                                                                    |            |                                                                             |  |
|              | POWER FACTOR                                  | PF ≥ 0.95/230VAC, PF ≥ 0.92/277VAC@full load<br>(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)                                          |                                                                                    |            |                                                                             |  |
|              | TOTAL HARMONIC DISTORTION                     | THD< 10% (@load≥60%/230VAC; @load≥75%/277VAC)<br>(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)                                           |                                                                                    |            |                                                                             |  |
|              | EFFICIENCY (Typ.)                             | 92%                                                                                                                                                   |                                                                                    | 93%        |                                                                             |  |
|              | AC CURRENT                                    | 1A / 230VAC 0.8A/277VAC                                                                                                                               |                                                                                    |            |                                                                             |  |
|              | INRUSH CURRENT(Typ.)                          | COLD START 65A(twidth=500μs measured at 50% Ipeak) at 230VAC; Per NEMA 410                                                                            |                                                                                    |            |                                                                             |  |
|              | MAX. No. of PSUs on 16A CIRCUIT BREAKER       | 5 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC                                                                   |                                                                                    |            |                                                                             |  |
|              | LEAKAGE CURRENT                               | <0.35mA / 294VAC                                                                                                                                      |                                                                                    |            |                                                                             |  |
|              | NO LOAD POWER CONSUMPTION                     | <0.5W                                                                                                                                                 |                                                                                    |            |                                                                             |  |
| PROTECTION   | OVER CURRENT                                  | 95 ~ 108%<br>Constant current limiting, continous increase of load will be hiccup protection, recovers automatically after fault condition is removed |                                                                                    |            |                                                                             |  |
|              | SHORT CIRCUIT                                 | Hiccup mode, recovers automatically after fault condition is removed                                                                                  |                                                                                    |            |                                                                             |  |
|              | OVER VOLTAGE                                  | 14 ~ 17V                                                                                                                                              |                                                                                    | 28 ~ 34V   |                                                                             |  |
|              | OVER TEMPERATURE                              | Shut down output voltage, re-power on to recovery                                                                                                     |                                                                                    |            |                                                                             |  |
|              |                                               | Shut down output voltage, re-power on to recovery                                                                                                     |                                                                                    |            |                                                                             |  |
| ENVIRONMENT  | WORKING TEMP.                                 | Tcase=-25 ~ +85℃ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)                                                                               |                                                                                    |            |                                                                             |  |
|              | MAX. CASE TEMP.                               | Tcase=+85℃                                                                                                                                            |                                                                                    |            |                                                                             |  |
|              | WORKING HUMIDITY                              | 20 ~ 95% RH non-condensing                                                                                                                            |                                                                                    |            |                                                                             |  |
|              | STORAGE TEMP.                                 | -40 ~ +80℃                                                                                                                                            |                                                                                    |            |                                                                             |  |
|              | TEMP. COEFFICIENT                             | ±0.03%/ℓ℃ (0 ~ 50℃)                                                                                                                                   |                                                                                    |            |                                                                             |  |
|              | VIBRATION                                     | 10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes                                                                               |                                                                                    |            |                                                                             |  |
| SAFETY & EMC | SAFETY STANDARDS <small>Note.8</small>        | ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, EN60335-1<br>EAC TP TC 004, GB19510.1, GB19510.14 approved                       |                                                                                    |            |                                                                             |  |
|              | WITHSTAND VOLTAGE                             | I/P-O/P:3.86KVAC                                                                                                                                      |                                                                                    |            |                                                                             |  |
|              | ISOLATION RESISTANCE                          | I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                             |                                                                                    |            |                                                                             |  |
|              | EMC EMISSION <small>Note.8</small>            | Parameter                                                                                                                                             | Standard                                                                           |            | Test Level/Note                                                             |  |
|              |                                               | Conducted                                                                                                                                             | BS EN/EN55015(CISPR15)/EN55014, GB/T17743                                          |            | -----                                                                       |  |
|              |                                               | Radiated                                                                                                                                              | BS EN/EN55015(CISPR15)/EN55014, GB/T17743                                          |            | -----                                                                       |  |
|              |                                               | Harmonic Current                                                                                                                                      | BS EN/EN61000-3-2 ,GB/T17625.1                                                     |            | Class C @load≥60%                                                           |  |
|              |                                               | Voltage Flicker                                                                                                                                       | BS EN/EN61000-3-3                                                                  |            | -----                                                                       |  |
|              | EMC IMMUNITY                                  | BS EN/EN61547                                                                                                                                         |                                                                                    |            |                                                                             |  |
|              |                                               | Parameter                                                                                                                                             | Standard                                                                           |            | Test Level/Note                                                             |  |
|              |                                               | ESD                                                                                                                                                   | BS EN/EN61000-4-2                                                                  |            | Level 3, 8KV air ; Level 2, 4KV contact                                     |  |
|              |                                               | Radiated                                                                                                                                              | BS EN/EN61000-4-3                                                                  |            | Level 2                                                                     |  |
|              |                                               | EFT/Burst                                                                                                                                             | BS EN/EN61000-4-4                                                                  |            | Level 2                                                                     |  |
|              |                                               | Surge                                                                                                                                                 | BS EN/EN61000-4-5                                                                  |            | 1KV/Line-Line                                                               |  |
|              |                                               | Conducted                                                                                                                                             | BS EN/EN61000-4-6                                                                  |            | Level 2                                                                     |  |
|              |                                               | Magnetic Field                                                                                                                                        | BS EN/EN61000-4-8                                                                  |            | Level 2                                                                     |  |
|              |                                               | Voltage Dips and Interruptions                                                                                                                        | BS EN/EN61000-4-11                                                                 |            | >95% dip 0.5 periods, 30% dip 25 periods,<br>>95% interruptions 250 periods |  |
| OTHERS       |                                               | MTBF                                                                                                                                                  | 2883.5K hrs min. Telcordia SR-332 (Bellcore) ; 298.8K hrs min. MIL-HDBK-217F (25℃) |            |                                                                             |  |
|              | DIMENSION                                     | 330*35*22mm (L*W*H)                                                                                                                                   |                                                                                    |            |                                                                             |  |
|              | PACKING                                       | 0.31Kg; 48pcs / 15.9Kg / 0.79CUFT                                                                                                                     |                                                                                    |            |                                                                             |  |

**SPECIFICATION: (Constant Power mode)**

|                         |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                                                                             |
|-------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------|
| <b>MODEL</b>            |                                                       | <b>SLD-150-56</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                                                             |
| <b>OUTPUT</b>           | <b>RATED CURRENT(Default)</b>                         | 4000mA (The maximum rated power is 151.2W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                             |
|                         | <b>RATED POWER</b> <small>Note.2/3</small>            | 151.2W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |                                                                             |
|                         | <b>CONSTANT CURRENT REGION</b> <small>Note.10</small> | 24~56V(Factory default 48V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                                                             |
|                         | <b>FULL POWER CURRENT RANGE</b>                       | 2680~4170mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                                                             |
|                         | <b>OPEN CIRCUIT VOLTAGE (max.)</b>                    | 60V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |                                                                             |
|                         | <b>CURRENT ADJ. RANGE</b>                             | 1400~4170mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                                                             |
|                         | <b>CURRENT RIPPLE</b>                                 | 5.0%(@rated current)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |                                                                             |
|                         | <b>CURRENT TOLERANCE</b>                              | ±5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |                                                                             |
|                         | <b>SET UP TIME</b> <small>Note.5</small>              | 500ms/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |                                                                             |
| <b>INPUT</b>            | <b>VOLTAGE RANGE</b> <small>Note.2</small>            | 120 ~ 305VAC    170VDC ~ 431VDC<br>(Please refer to "STATIC CHARACTERISTIC" and "DRIVING METHODS OF LED MODULE" section)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                                                             |
|                         | <b>FREQUENCY RANGE</b>                                | 47 ~ 63Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                             |
|                         | <b>POWER FACTOR (Typ.)</b>                            | PF ≥ 0.95 / 230VAC, PF ≥ 0.92 / 277VAC at full load<br>(Please refer to "Power Factor Characteristic" section)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |                                                                             |
|                         | <b>TOTAL HARMONIC DISTORTION</b>                      | THD < 10% (@ load ≥ 60%/230VAC, @load ≥ 75%/277VAC)<br>Please refer to "TOTAL HARMONIC DISTORTION (THD)" section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                                                             |
|                         | <b>EFFICIENCY (Typ.)</b>                              | 93.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |                                                                             |
|                         | <b>AC CURRENT (Typ.)</b>                              | 1A / 230VAC    0.8A / 277VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |                                                                             |
|                         | <b>INRUSH CURRENT(Typ.)</b>                           | COLD START 65A(twidth=500μs measured at 50% Ipeak) at 230VAC; Per NEMA 410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                             |
|                         | <b>MAX. NO. of PSUs on 16A CIRCUIT BREAKER</b>        | 5 unit(circuit breaker of type B) / 8 units(circuit breaker of type C) at 230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                                                             |
|                         | <b>LEAKAGE CURRENT</b>                                | <0.35mA / 294VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                                                             |
| <b>PROTECTION</b>       | <b>SHORT CIRCUIT</b>                                  | Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |                                                                             |
|                         | <b>OVER VOLTAGE</b>                                   | 60~70V<br>Shut down output voltage, re-power on to recovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                                                             |
|                         | <b>OVER TEMPERATURE</b>                               | Shut down output voltage, re-power on to recovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                                                             |
| <b>ENVIRONMENT</b>      | <b>WORKING TEMP.</b>                                  | Tcase=-25 ~ +85℃ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |                                                                             |
|                         | <b>MAX. CASE TEMP.</b>                                | Tcase=+85℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                             |
|                         | <b>WORKING HUMIDITY</b>                               | 20 ~ 95% RH non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                             |
|                         | <b>STORAGE TEMP.</b>                                  | -40 ~ +80℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                             |
|                         | <b>TEMP. COEFFICIENT</b>                              | ±0.03%/℃ (0 ~ 60℃)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                         |                                                                             |
|                         | <b>VIBRATION</b>                                      | 10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |                                                                             |
| <b>SAFETY &amp; EMC</b> | <b>SAFETY STANDARDS</b> <small>Note.4</small>         | ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, EN60335-1<br>EAC TP TC 004, GB19510.1, GB19510.14 approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                                                                             |
|                         | <b>WITHSTAND VOLTAGE</b>                              | I/P-O/P:3.86KVAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                                                             |
|                         | <b>ISOLATION RESISTANCE</b>                           | I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                             |
|                         | <b>EMC EMISSION</b> <small>Note.4</small>             | <b>Parameter</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Standard</b>                         | <b>Test Level/Note</b>                                                      |
|                         |                                                       | Conducted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BS EN/EN55015(CISPR15)/55014, GB/T17743 | -----                                                                       |
|                         |                                                       | Radiated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BS EN/EN55015(CISPR15)/55014, GB/T17743 | -----                                                                       |
|                         |                                                       | Harmonic Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BS EN/EN61000-3-2, GB/T17625.1          | Class C @load≥60%                                                           |
|                         |                                                       | Voltage Flicker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BS EN/EN61000-3-3                       | -----                                                                       |
|                         | <b>EMC IMMUNITY</b>                                   | BS EN/EN61547                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |                                                                             |
|                         |                                                       | <b>Parameter</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Standard</b>                         | <b>Test Level/Note</b>                                                      |
|                         |                                                       | ESD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BS EN/EN61000-4-2                       | Level 3, 8KV air ; Level 2, 4KV contact                                     |
|                         |                                                       | Radiated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BS EN/EN61000-4-3                       | Level 2                                                                     |
|                         |                                                       | EFT/Burst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BS EN/EN61000-4-4                       | Level 2                                                                     |
|                         |                                                       | Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS EN/EN61000-4-5                       | 1KV/Line-Line                                                               |
|                         |                                                       | Conducted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BS EN/EN61000-4-6                       | Level 2                                                                     |
|                         |                                                       | Magnetic Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BS EN/EN61000-4-8                       | Level 2                                                                     |
|                         |                                                       | Voltage Dips and Interruptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BS EN/EN61000-4-11                      | >95% dip 0.5 periods, 30% dip 25 periods,<br>>95% interruptions 250 periods |
| <b>OTHERS</b>           | <b>MTBF</b>                                           | 2883.5K hrs min. Telcordia SR-332 (Bellcore) ; 298.8K hrs min. MIL-HDBK-217F (25℃)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                         |                                                                             |
|                         | <b>DIMENSION</b>                                      | 330*35*22mm (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |                                                                             |
|                         | <b>PACKING</b>                                        | 0.31Kg; 48pcs / 15.9Kg / 0.79CUFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                                                             |
| <b>NOTE</b>             |                                                       | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25℃ of ambient temperature.<br>2. De-rating is needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.<br>3. Please refer to "DRIVING METHODS OF LED MODULE".<br>4. This series meets the typical life expectancy of 50000 hours of operation when Tcase, particularly (Tc) point (or TMP, per DLC), is about 75℃ or less.<br>5. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.<br>6. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.<br>7. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>8. Please refer to the warranty statement on MEAN WELL's website at <a href="http://www.meanwell.com">http://www.meanwell.com</a><br>9. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).<br>10. For 56v model applications whose output voltage is less than 30V, the upper input voltage is 295VAC.<br>11. RCM is on a voluntary basis. An Non IC classification Independent LED control gear is not suitable for residential installations but recommend to be used for commercial decoration / sign board / luminaire lighting purpose.<br>12. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.<br>⌘ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                         |                                                                             |

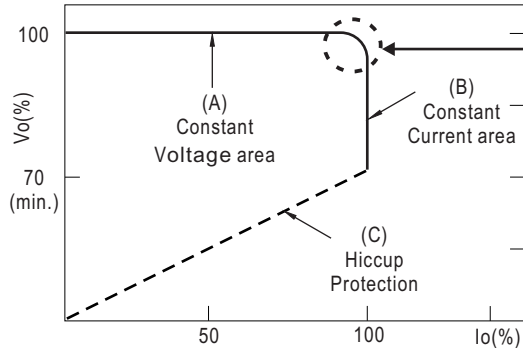
## BLOCK DIAGRAM



## DRIVING METHODS OF LED MODULE

### ◎ SLD-150-12,24

- ✕ This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.

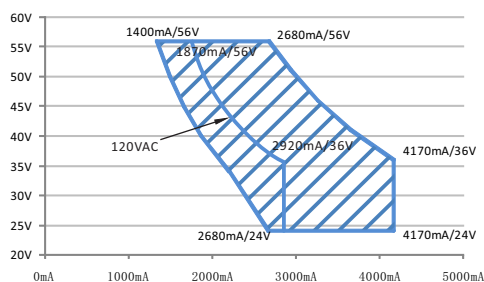


In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.

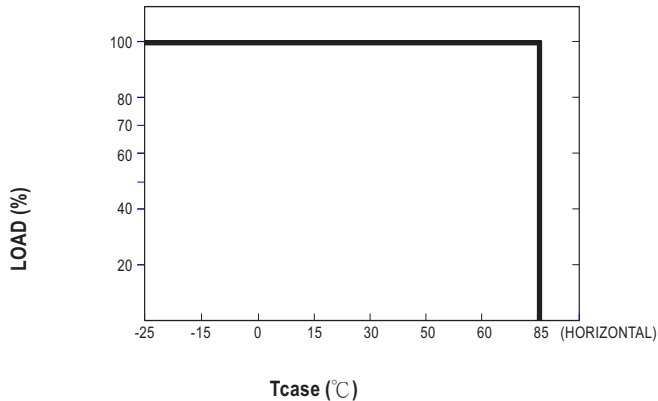
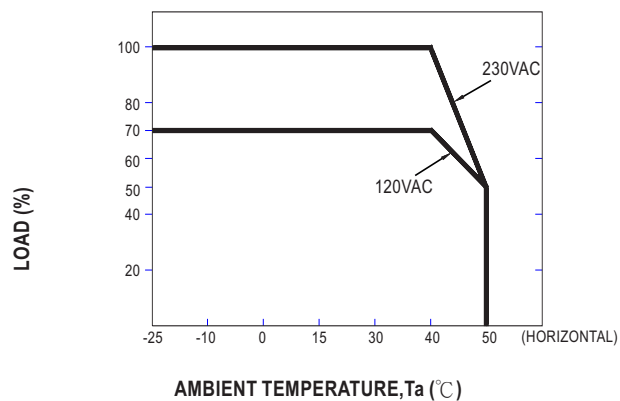
Typical output current normalized by rated current (%)

### ◎ SLD-150-56

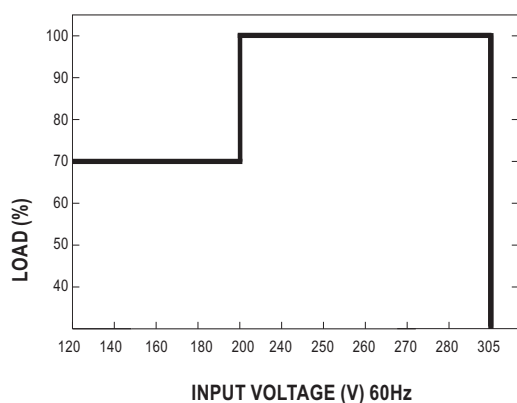


 Recommend Performance Region

## OUTPUT LOAD vs TEMPERATURE



## STATIC CHARACTERISTIC

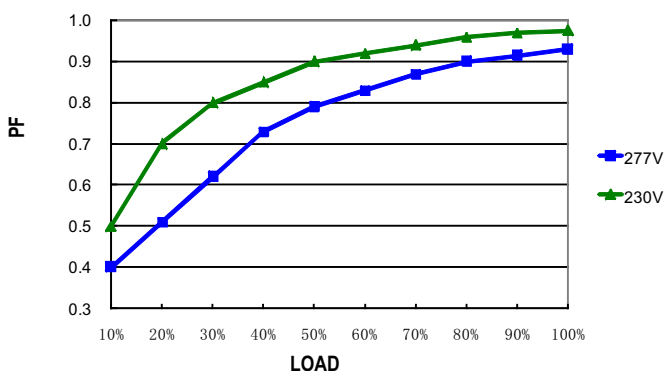


※ De-rating is needed under low input voltage.

## POWER FACTOR (PF) CHARACTERISTIC

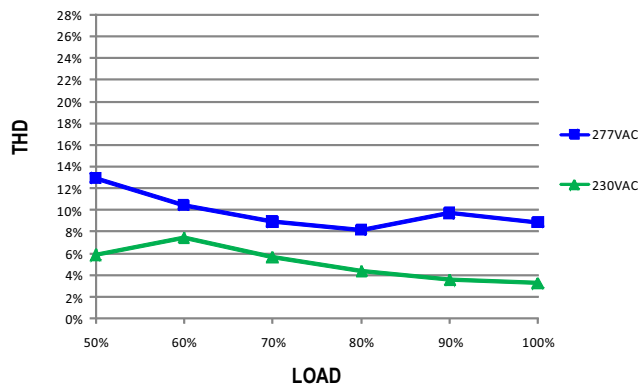
※ 24V Model,  $T_{case}$  at 75°C

Constant Current Mode



## TOTAL HARMONIC DISTORTION (THD)

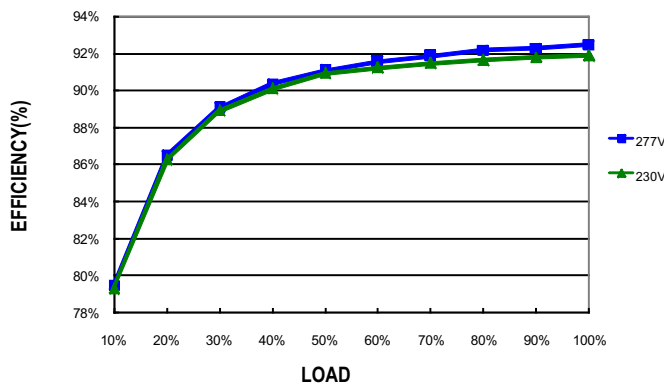
※ 24V Model,  $T_{case}$  at 75°C



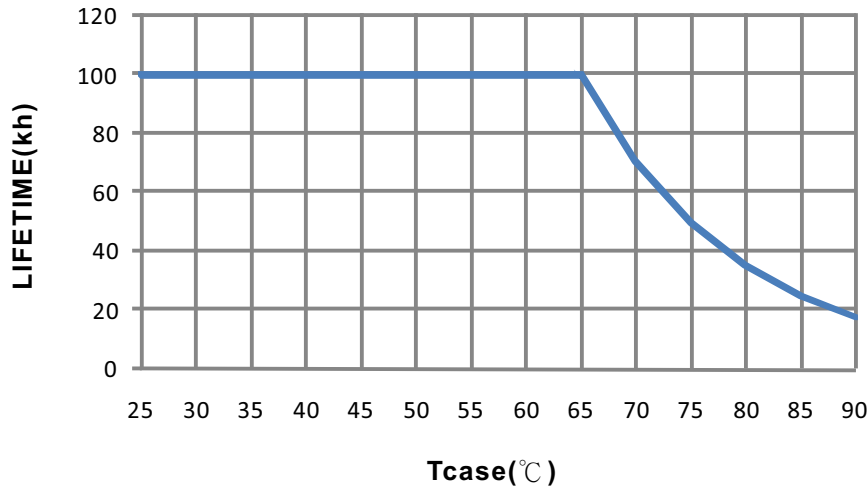
## EFFICIENCY vs LOAD

SLD-150 series possess superior working efficiency that up to 92% can be reached in field applications.

※ 24V Model,  $T_{case}$  at 75°C



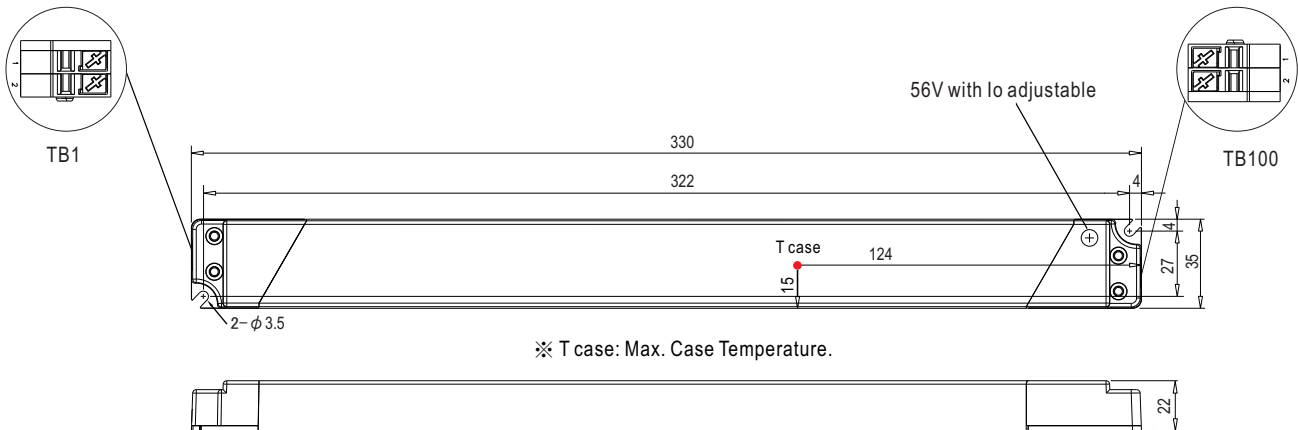
### ■ LIFE TIME



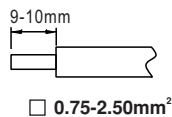
### ■ Mechanical Specification

Case No. SLD-150

Unit:mm

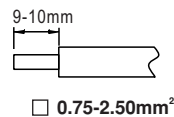


#### TB1 wiring:


Terminal Pin No. Assignment (TB1):  
DEGSON DG202-5.0(GRAY)

| Pin No. | Assignment |
|---------|------------|
| 1       | AC/L       |
| 2       | AC/N       |

#### TB100 wiring:


Terminal Pin No. Assignment (TB100):  
DEGSON DG202-5.0((RED/BLACK)

| Pin No. | Assignment |
|---------|------------|
| 1       | +V         |
| 2       | -V         |

### ■ INSTALLATION MANUAL

Please refer to : <http://www.meanwell.com/manual.html>