



Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- No load / Standby power consumption <0.5W
- · IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI
- Typical lifetime>50000 hours
- 5 years warranty

Description

ELG-200 series is a 200W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-200 operates from $100 \sim 305$ VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40° C $\sim +90^{\circ}$ C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-200 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding

ELG - 200 - 24	A -
	Input wiring type
	Function mode option 3Y:3-wire input for standard model
	——— Rated output voltage(12/24/36/42/48/54V)
	Rated wattage
	Series name

Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock

(for 12/12B/24/24B/36/36A /42A/48/48A/54A only) Applications

• LED street lighting

IS 15885(Part 2/Sec13)

8 R-41027766

- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

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SPECIFICATION

		ELG-200-12	ELG-200-24	ELG-200-36	ELG-200-42	ELG-200-48	ELG-200-54			
	DC VOLTAGE	12V	24V	36V	42V	48V	54V			
	CONSTANT CURRENT REGION Note.2	6~12V	12 ~ 24V	18 ~ 36V	21~42V	24 ~ 48V	27 ~ 54V			
	RATED CURRENT	16A	8.4A	5.55A	4.76A	4.16A	3.72A			
		200VAC ~ 305VAC								
	RATED POWER	192W	201.6W	199.8W	199.9W	199.68W	200.88W			
	NATED TOWER	100VAC ~ 180VAC								
		144W	150W	149.76W	149.94W	149.76W	150.12W			
							350mVp-p			
	RIPPLE & NOISE (max.) Note.3		200mVp-p	250mVp-p	250mVp-p	250mVp-p	330mvp-p			
	VOLTAGE ADJ. RANGE	Adjustable for A/AB	-Type only (via built-in	, ,			1			
ουτρυτ		11.2 ~ 12.8V	22.4 ~ 25.6V	33.5 ~ 38.5V	39 ~ 45V	44.8 ~ 51.2V	50 ~ 57V			
UUIFUI	CURRENT ADJ. RANGE	Adjustable for A/AB	-Type only (via built-in	potentiometer)						
		8~16A	4.2 ~ 8.4A	2.78~5.55A	2.38~4.76A	2.08~4.16A	1.86 ~ 3.72A			
	VOLTAGE TOLERANCE Note.4	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%			
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME Note.6				20.070	2010/0	1			
	· · · · · · · · · · · · · · · · · · ·	500ms, 100ms/230VAC, 1000ms, 100ms/115VAC 10ms/ 230VAC 10ms/ 115VAC								
	HOLD UP TIME (Typ.)									
	VOLTAGE RANGE Note.5	100~305VAC	142 ~ 431VDC							
		(Please refer to "ST	ATIC CHARACTERIS	FIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR		$PF \ge 0.95/230VAC, PF$							
	FOWERFACTOR	(Please refer to "PO"	WER FACTOR (PF) CH	ARACTERISTIC" se	ction)					
		THD<20%(@load	≧50%/115VC,230VAC	;@load≧75%/277V	AC)					
	TOTAL HARMONIC DISTORTION		DTAL HARMONIC DIS							
INPUT	EFFICIENCY (Typ.)	90%	92%	92%	92.5%	93%	93%			
	AC CURRENT			277VAC	02.070	0070	0070			
	INRUSH CURRENT(Typ.)		twidth=510µs measure	-		1				
		COLD START OUA	twidth=510µs measure	au at 50% ipeak) at 2	SUVAC; PEI NEIVIA 4 II	J				
	MAX. No. of PSUs on 16A	4 units (circuit brea	ker of type B) / 6 units	(circuit breaker of ty	pe C) at 230VAC					
	CIRCUIT BREAKER		. ,		. ,					
	LEAKAGE CURRENT	<0.75mA/277VAC								
	NO LOAD / STANDBY	No load power cons	sumption <0.5W for Bla	ank / A / Dx / D-Type						
	POWER CONSUMPTION Note.7	Standby power con	sumption <0.5W for B	AB / DA-Type						
		95~108%	·							
	OVER CURRENT		aiting recovers outom	ationally after fault oor	dition is removed					
		Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	SHORT CIRCUIT	13.5 ~ 18V	· · ·			54 001/	60~67V			
PROTECTION	OVER VOLTAGE		27~34V	42~49V	47 ~ 54V	54~63V	60~67V			
			oltage, re-power on t							
	OVER TEMPERATURE	· ·	oltage, re-power on to							
		Tcase=-40 ~ +90°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)								
	WORKING TEMP.	10030 40 .000	(Please refer to " OUI		Tcase=+90°C					
	WORKING TEMP. MAX. CASE TEMP.		(Please refer to " OUT							
			X							
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY	Tcase=+90℃ 20 ~ 95% RH non-c	ondensing							
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9	ondensing 5% RH							
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50°	ondensing 5% RH C)	72min, each along X	V 7 aves					
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C , 10 ~ 9 ±0.03%/℃ (0 ~ 50° 10 ~ 500Hz, 5G 12r	ondensing 5% RH C) nin./1cycle, period for	v		N7C 61047 0 40 - J	opdopt EN62004			
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"),	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13	-12;IEC/EN/AS/NZS	61347-1, IEC/EN/AS/	NZS 61347-2-13 indep				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2	-12;IEC/EN/AS/NZS	61347-1, IEC/EN/AS/	NZS 61347-2-13 indep 9510.14,GB19510.1; IF				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/℃ (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved	3-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4	61347-1, IEC/EN/AS/	•				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50°C 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC62:	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D	8-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only	61347-1, IEC/EN/AS/	•				
	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50°C 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC	B-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1	•				
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50°C 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004,BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70%	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH	9510.14,GB19510.1; IF	265 or IP67;			
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50°C 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004,BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70%	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH	•	265 or IP67;			
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50% 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC62 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/ Compliance to EN5	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla	-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°⊂ / 70% iss C (@load≧50%) ;	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17625	9510.14,GB19510.1; IF	265 or IP67; ; 020; KC KN15,KN61!			
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC62: I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN5 Compliance to EN6100	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load≥50%) ; I7, light industry level (su	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB1762 rge immunity Line-Earth 6	9510.14,GB19510.1; IF 	265 or IP67; ; 020; KC KN15,KN615			
SAFETY & EMC	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC6134 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN5100	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6152 Telcordia SR-332 (Bell	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load≥50%) ; I7, light industry level (su	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB1762 rge immunity Line-Earth 6	9510.14,GB19510.1; IF 	265 or IP67; ; 020; KC KN15,KN61!			
SAFETY & EMC	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC6134 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN5 Compliance to EN6100 826.7K hrs min.	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN615/2 Telcordia SR-332 (Bell W*H)	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load≥50%) ; I7, light industry level (su	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB1762 rge immunity Line-Earth 6	9510.14,GB19510.1; IF 	265 or IP67; ; 020; KC KN15,KN615			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	$\label{eq:constraint} \begin{array}{l} Tcase=+90^{\circ}C\\ 20 \sim 95\% \ RH \ non-c\\ -40 \sim +90^{\circ}C, \ 10 \sim 9\\ \pm 0.03\% / ^{\circ}C \ (0 \sim 50^{\circ})\\ 10 \sim 500 \ Hz, \ 5G \ 12r\\ UL8750 (type" HL"),\\ EAC \ TP \ TC \ 004; BIS\\ KC61347-1, KC613.\\ Comply \ with \ IEC623\\ I/P-O/P: 3.75 \ KVAC\\ I/P-O/P: 3.75 \ KVAC\\ I/P-O/P, \ I/P-FG, \ O/\\ Compliance \ to \ EN6100\\ 826. \ 7K \ hrs \ min.\\ 244*71*37. \ 5mm \ (L^4)\\ 1.22 \ Kg; \ 12 \ pcs \ / 15.\\ \end{array}$	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 5 IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT	24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≥ 50%) ; I7, light industry level (su core) ; 200.8Khrs mi	61347-1, IEC/EN/AS/ I8/48A/54A only);GB1 RH EN61000-3-3;GB1762! rge immunity Line-Earth 6 n. MIL-HDBK-217F	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C)	265 or IP67; ; 020; KC KN15,KN615			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC62: I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN5 Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15 Iy mentioned are me IETHODS OF LED I	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN615/2 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in MODULE".	2-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≥50%) ; I7, light industry level (su core) ; 200.8Khrs mi	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature.	265 or IP67; 2020; KC KN15,KN615 TC 020; KC KN15,KN615			
ENVIRONMENT SAFETY & EMC OTHERS NOTE	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measured	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004,BIS KC61347-1,KC613 Compiy with IEC62: I/P-O/P:3.75KVAC I/P-O/P; I/P-FG, O/ Compliance to EN5 Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15.) Iy mentioned are mentioned BCTHODS OF LED I ed at 20MHz of band	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in MODULE". width by using a 12" f	24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°⊂ / 70% iss C (@load ≥ 50%) ; I7, light industry level (su core) ; 200.8Khrs mi	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature.	265 or IP67; 2020; KC KN15,KN615 TC 020; KC KN15,KN615			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 ±0.03%/°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613. Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/ Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15 ly mentioned are me IETHODS OF LED I dat 20MHz of band tolerance, line regula	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in MODULE". width by using a 12" 1 ation and load regulati	-12;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≧ 50%) ; i7, light industry level (su core) ; 200.8Khrs mi	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F Id 25°C of ambient te ninated with a 0.1uf 8	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25℃) mperature. 47uf parallel capacito	265 or IP67; 2020; KC KN15,KN618 TC 020; KC KN15,KN618			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613. Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN5 Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15 Iy mentioned are meder IETHODS OF LED I dat 20MHz of band tolerance, line regula nder low input voltage asured at first cold s'	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT easured at 230VAC in MODULE". width by using a 12" ti ation and load regulati ties. Please refer to "S tart. Turning ON/OFF	A-Type only O/P-FG:1.5KVAC 00/P-FG:1.5KVAC 00/DC / 25°C / 70% iss C (@load ≥ 50%) ; i7, light industry level (su core) ; 200.8Khrs mi put, rated current an twisted pair-wire terr on. TATIC CHARACTE the driver may lead	61347-1, IEC/EN/AS/ 88/48A/54A only);GB1 RH EN61000-3-3;GB17625 rge immunity Line-Earth 6 n. MIL-HDBK-217F Id 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for	9510.14,GB19510.1; IF 6.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature. 47uf parallel capacito details.	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me 7. No load/standby power cor	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN51 Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15 ly mentioned are mediated to band to learnce, line regular nor using a sured at first cold sissumption is specified to specific to the specific	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN615/2 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT rasured at 230VAC in MODULE". width by using a 12" f ation and load regulati ges. Please refer to "S tart. Turning ON/OFF ed for 230VAC input	A-Type only O/P-FG:1.5KVAC 00/P-FG:1.5KVAC 00/DC / 25°C / 70% iss C (@load ≥ 50%) ; 17, light industry level (su core) ; 200.8Khrs mi put, rated current an twisted pair-wire terr on. iTATIC CHARACTE the driver may lead	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F d 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for to increase of the se	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature. 4 47uf parallel capacito details. t up time.	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61 TC 020; KC KN15,KN61			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me 7. No load/standby power cor 8. The driver is considered as	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/ Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15.) Iy mentioned are mentioned tolerance, line regular nder low input voltage asumption is specific a component that w	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN615/2 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in W*H) 2Kg / 0.72CUFT reasured at 230VAC in WoDULE". width by using a 12" for ation and load regulation telses refer to "S tart. Turning ON/OFF tart. Turning ON/OFF ed for 230VAC input ill be operated in com	A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≥ 50%) ; 17, light industry level (su core) ; 200.8Khrs mi put, rated current an twisted pair-wire terr on. TATIC CHARACTE the driver may lead bination with final ec	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F Id 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for to increase of the se quipment. Since EMC	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature. 4 47uf parallel capacito details. t up time. performance will be a	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61 TC 020; KC KN15,KN61			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me 7. No load/standby power cor	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613. Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P,I/P-FG, O/ Compliance to EN51 Compliance to E	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in MODULE". assured at 230VAC in MODULE". ation and load regulati ges. Please refer to "S tart. Turning ON/OFF ead for 230VAC input lib eo perated in com acturers must re-quali	A-T2;IEC/EN/AS/NZS 24/24B/36/36A/42A/4 A-Type only O/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≧ 50%) ; i7, light industry level (su core) ; 200.8Khrs mi put, rated current an twisted pair-wire terr on. TATIC CHARACTE the driver may lead bination with final ec fy EMC Directive on	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F d 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for to increase of the se quipment. Since EMC the complete installa	9510.14,GB19510.1; IF 5.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25℃) mperature. 4 47uf parallel capacito details. t up time. performance will be a tion again.	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61 or.			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me 7. No load/standby power cor 8. The driver is considered as complete installation, the fin 9. This series meets the typice 10.Please refer to the warranty	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50° 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004;BIS KC61347-1,KC613- Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P;J/P-FG, O/ Compliance to EN5 Compliance to EN5 Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15.) Iy mentioned are mentioned are mentioned and the second to the se	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D. I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN6154 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT easured at 230VAC in MODULE". width by using a 12" ti ation and load regulati tios. Please refer to "S tart. Turning ON/OFF ed for 230VAC input ill be operated in com acturers must re-quali 550,000 hours of oper N WELL's website at	A-Type only O/P-FG:1.5KVAC 0/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≥ 50%); I7, light industry level (su core); 200.8Khrs mi put, rated current an twisted pair-wire terr on. TATIC CHARACTE the driver may lead bination with final ec fy EMC Directions on ation when Tcase, p http://www.meanwel	RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F d 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for to increase of the se quipment. Since EMC the complete installa particularly (to point (l.com	2510.14,GB19510.1; IF 3.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature. 47uf parallel capacito details. t up time. performance will be a tion again. or TMP, per DLC), is a	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61 TC 020; KC KN15,KN61 or.			
SAFETY & EMC OTHERS	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is me 7. No load/standby power cor 8. The driver is considered as complete installation, the fin 9. This series meets the typica	Tcase=+90°C 20 ~ 95% RH non-c -40 ~ +90°C, 10 ~ 9 $\pm 0.03\%$ /°C (0 ~ 50°I 10 ~ 500Hz, 5G 12r UL8750(type"HL"), EAC TP TC 004,BIS KC61347-1,KC613 Compiy with IEC623 I/P-O/P:3.75KVAC I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/ Compliance to EN6100 826.7K hrs min. 244*71*37.5mm (L* 1.22Kg; 12pcs / 15. Iy mentioned are mentioned tolerance, line regula nder low input voltage asured at first cold si sumption is specifie a component that w al life expectancy of sy y statement on MEA lerating of 3.5°C/100	ondensing 5% RH C) nin./1cycle, period for CSA C22.2 No. 250.13 S IS15885(for 12/12B/2 47-2-13 approved 386-101,102,207 for D I/P-FG:2.0KVAC P-FG:100M Ohms / 5 5015,EN61000-3-2 Cla 0-4-2,3,4,5,6,8,11; EN615/2 Telcordia SR-332 (Bell W*H) 2Kg / 0.72CUFT reasured at 230VAC in WODULE". width by using a 12" f ation and load regulati ges. Please refer to "S tart. Turning ON/OFF ed for 230VAC input ill be operated in com acturers must re-quali 50,000 hours of oper N WELL's website at 0m with fanless mode	A-Type only O/P-FG:1.5KVAC 0/P-FG:1.5KVAC 00VDC / 25°C / 70% iss C (@load ≥ 50%) ; 17, light industry level (su core) ; 200.8Khrs mi put, rated current and twisted pair-wire terr on. TATIC CHARACTE the driver may lead bination with final ec fy EMC Directive on ration when Tcase, p http://www.meanwel s and of 5°C / 1000r	61347-1, IEC/EN/AS/ 8/48A/54A only);GB1 RH EN61000-3-3;GB17624 rge immunity Line-Earth 6 n. MIL-HDBK-217F Id 25°C of ambient te ninated with a 0.1uf & RISTIC" sections for to increase of the se supment. Since EMC the complete installa particularly (ic) point (in Loom n with fan models for	2510.14,GB19510.1; IF 3.1,GB17743;EAC TP TC (V, Line-Line 4KV);EAC TP (25°C) mperature. 4 47uf parallel capacito details. t up time. performance will be a tion again. or TMP, per DLC), is a operating altitude high	265 or IP67; 2020; KC KN15,KN61 TC 020; KC KN15,KN61 TC 020; KC KN15,KN61 or.			







Typical output current normalized by rated current (%)

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







※ DALI Interface (primary side; for DA-Type)

- Apply DALI signal between DA+ and DA-.
- · DALI protocol comprises 16 groups and 64 addresses.
- · First step is fixed at 8% of output.

% Smart timer dimming function (for Dxx-Type by User definition)

MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level to perform up to 14 consecutive hours. 3 dimming profiles hereunder are defined accounting for the most frequently seen applications. If other options may be needed, please contact MEAN WELL for details.

Ex : O D01-Type: the profile recommended for residential lighting



Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	Τ4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

Operating Time(HH:MM)

**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a residential lighting application adopts D01-Type, when turning on the power supply at 6:00pm, for instance:

[1] The power supply will switch to the constant current level at 100% starting from 6:00pm.

[2] The power supply will switch to the constant current level at 70% in turn, starting from 0:00am, which is 06:00 after the power supply turns on.

[3] The power supply will switch to the constant current level at 50% in turn, starting from 1:00am, which is 07:00 after the power supply turns on.

[4] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on. The constant current level remains till 8:00am, which is 14:00 after the power supply turns on.

Ex: O D02-Type: the profile recommended for street lighting



Set up for D02-Type in Smart timer dimming software program:

	T1	T2	Т3	T4	Τ5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%



**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a street lighting application adopts D02-Type, when turning on the power supply at 5:00pm, for instance:

[1] The power supply will switch to the constant current level at 50% starting from 5:00pm.

- [2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 100% in turn, starting from 8:00pm, which is 03:00 after the power supply turns on.
- [4] The power supply will switch to the constant current level at 60% in turn, starting from 1:00am, which is 08:00 after the power supply turns on.
 [5] The power supply will switch to the constant current level at 80% in turn, starting from 4:00am, which is 11:00 after the power supply turns on. The

constant current level remains till 6:30am, which is 14:00 after the power supply turns on.





Set up for D03-Type in Smart timer dimming software program:

	T1	T2	Т3
TIME**	01:30	11:00	
LEVEL**	70%	100%	70%

**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance:

[1] The power supply will switch to the constant current level at 70% starting from 4:30pm.

[2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.

[3] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on. The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.







LIFE TIME















※ AB-Type (for 12V model)



File Name:ELG-200-SPEC 2018-09-30



※ B/DA/D2-Type (for 12V model)





※ 3Y Model (3-wire input)



• (tc) : Max. Case Temperature

 $\hfill \square$ Note1: Please connect the case to PE for the complete EMC deliverance and safety use. $\hfill \square$ Note2: Please contact MEAN WELL for input wiring option with PE.

■ INSTALLATION MANUAL

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