

Наличие и актуальные цены на

# ELG-200-C1400A

https://www.meanwell.ru/store/ELG-200-C1400A/







DALD M M (for DA-Type only

ELG-200-C700

### Features

- Constant Current mode output
- · Metal housing design with functional Ground
- Built-in active PFC function
- No load / Standby power consumption <0.5W</li>
- · 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

### Applications

- LED street lighting
- LED harbor lighting
- LED bay lighting
- LED greenhouse lighting
- LED flood lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

### GTIN CODE

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

### Description

ELG-200-C series is a 200W LED AC/DC driver featuring the constant current mode and high voltage output. ELG-200-C operates from 100~305VAC and offers models with different rated current ranging between 700mA and 2100mA. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for  $-40^{\circ}C \sim +85^{\circ}C$  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-C 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	- C700	Α	-
•			T	Input wiring
				— Function options
				— Bated output our

- g type  $\begin{cases} Blank:2-wire input for standard model \\ 3Y:3-wire input for standard model \end{cases}$
- Rated output current (700/1050/1400/1750/2100mA)
- Output wattage
- Series name

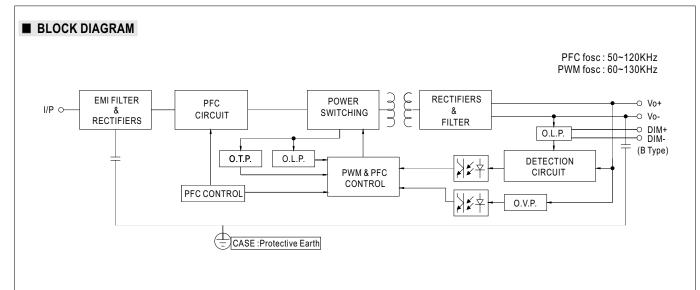
Туре	IP Level	Function	Note
Blank	IP67	lo fixed.	In Stock
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal 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



### SPECIFICATION

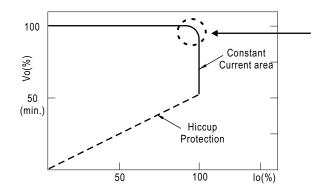
MODEL		ELG-200-C700	ELG-200-C1050	ELG-200-C1400	ELG-200-C1750	ELG-200-C2100		
	RATED CURRENT	700mA	1050mA	1400mA	1750mA	2100mA		
		200VAC ~ 305VAC						
		200.2W	199.5W	198.8W	199.5W	201.6W		
	RATED POWER	100VAC ~ 180VAC	1					
		150.5W	150.15W	149.8W	150.5W	151.2W		
	CONSTANT CURRENT REGION Note.2	142 ~ 286V	95 ~ 190V	71~142V	57 ~ 114V	48~96V		
			200V	160V	120V	105V		
	OPEN CIRCUIT VOLTAGE(max.)				1200	1050		
OUTPUT	CURRENT ADJ. RANGE		ype only (via built-in po					
		350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA	875 ~ 1750mA	1050 ~ 2100mA		
	CURRENT RIPPLE	5.0% max. @rated cu	rrent					
	CURRENT TOLERANCE	±5.0%						
	SET UP TIME Note.4	800ms/115VAC, 500ms/230VAC						
		100 ~ 305VAC 142 ~ 431VDC						
	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE							
	FREQUENCI KANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	$\label{eq:pressure} \begin{array}{l} PF \geqq 0.97 / 115 VAC, PF \geqq 0.95 / 230 VAC, PF \geqq 0.92 / 277 VAC @ full \ load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \end{array}$						
INPUT	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧50%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)						
	EFFICIENCY (Typ.)	93%	93%	92%	92%	92%		
		,-	93% A/230VAC 1.0A/27		02/0	52/0		
	INRUSH CURRENT(Typ.)	COLD START 65A(tw	/lath=680μs measured	at 50% Ipeak)/230VAC	; Per NEMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	NO LOAD / STANDBY	No load power consu	motion <0.5W for Blan	( A / Dx / D2-Type				
	POWER CONSUMPTION	No load power consumption <0.5W for Blank / A / Dx / D2-Type Standby power consumption <0.5W for B / AB / DA-Type						
	SHORT CIRCUIT		•	ault condition is remove	d			
			-			405 4001/		
DOTECTION	OVER VOLTAGE	315~370V	205~250V	160 ~ 180V	125 ~ 150V	105 ~ 130V		
		Shut down o/p voltage, re-power on to recover						
	OVER TEMPERATURE		e, re-power on to reco					
	WORKING TEMP.	Tcase=-40 ~ +85℃ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+85°C						
	WORKING HUMIDITY	20 ~ 95% RH non-cor	Idensing					
	STORAGE TEMP., HUMIDITY							
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)						
		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
	VIBRATION	10 ~ 500Hz, 5G 12mi	n./1cycle, period for 72	2min. each along X, Y, Z	axes			
	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.13-12;BS EN/EN/AS/NZS 61347-1,BS EN/EN/AS/NZS 61347-2-13 independent, BS EN/EN62384;GB19510.14,GB19510.1;EAC TP TC 004;BIS IS15885(for 700A only); IP65 or IP67;KC61347-1,KC61347-2-13 approved						
	DALI STANDARDS			request) for DA Type (	only			
SAFETY &	WITHSTAND VOLTAGE		I/P-FG:2.0KVAC C	. , .				
EMC								
	ISOLATION RESISTANCE		-FG:100M Ohms / 500					
	EMC EMISSION	Compliance to BS EN/EN55015,BS EN/EN61000-3-2 Class C (@load ≥ 50%) ; BS EN/EN61000-3-3; GB/T 17743, GB17625.1; EAC TP TC 020; KC KN15, KN61547 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level(surge immunity:Line-Earth:6KV,						
	EMC IMMUNITY		PTC 020; KC KN15, KN		initiation in the second se	unity.Line-Earth.or.V,		
	MTBF		Telcordia SR-332 (Bello		MIL-HDBK-217F (25°	C)		
	DIMENSION	244*71*37.5 mm (L*V	•	-,,=		/		
	PACKING	1.22Kg; 12pcs /15.2kg / 0.72CUFT ally mentioned are measured at 230VAC input, rated current and 25℃ of ambient temperature.						
NOTE	<ol> <li>Please refer to "DRIVING M</li> <li>De-rating may be needed u</li> <li>Length of set up time is mee</li> <li>The driver is considered as complete installation, the fin (as available on https://www</li> <li>This series meets the typica</li> <li>Please refer to the warranty</li> <li>The ambient temperature de</li> <li>For any application note and https://www.meanwell.com/L</li> <li>To fulfill requirements of the connected to the mains.</li> </ol>	ETHODS OF LED MOD nder low input voltages. I asured at first cold start. <sup>-</sup> a component that will be al equipment manufactur meanwell.com//Upload/F il life expectancy of >50,0 statement on MEAN WE erating of 3.5°C/1000m w d IP water proof function Jpload/PDF/LED_EN.pdf	ULE". Please refer to "STATIC ( Turning ON/OFF the pow operated in combination ers must re-qualify EMC PDF/EMI_statement_en.p 00 hours of operation wi LL's website at http://ww ith fanless models and c installation caution, please	CHARACTERISTIC" secti ver supply may lead to inc with final equipment. Sim Directive on the complete odf) hen Tcase, particularly (tc w.meanwell.com f 5°C/1000m with fan mod se refer our user manual b	ons for details. ce EMC performance will a installation again. point (or TMP, per DLC), dels for operating altitude pefore using.	is about 85℃ or less. higher than 2000m(650		
		sider build in using to cor	mply with Type HL applic	ation.	eDisclaimer.aspx	e:ELG-200-C-SPEC 20		





### ■ DRIVING METHODS OF LED MODULE

 $\%\,$  This series works in constant current mode to directly drive the LEDs.

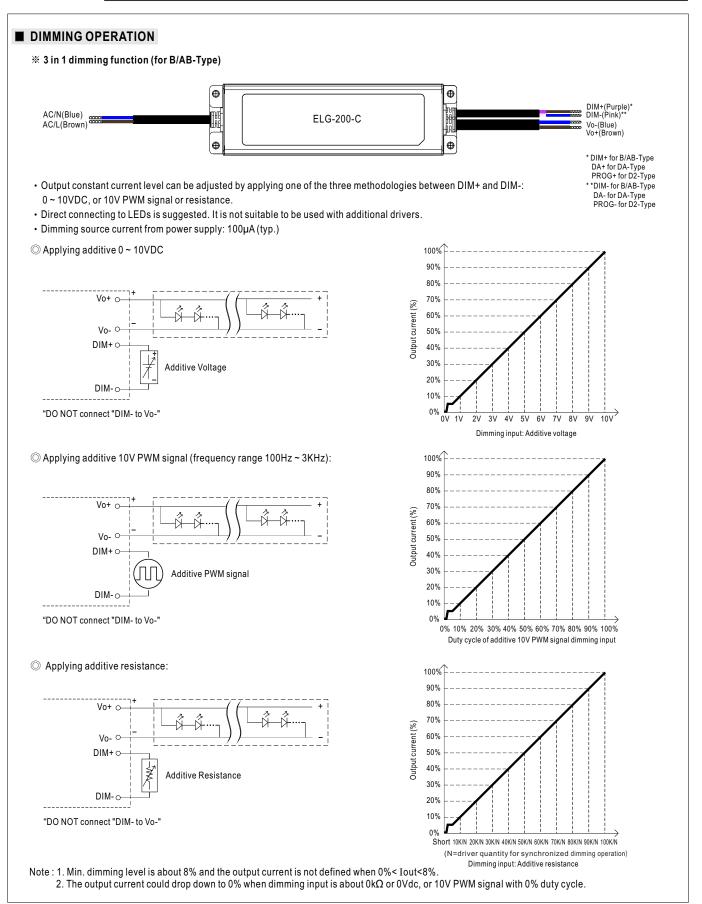


Typical output current normalized by rated current (%)

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.







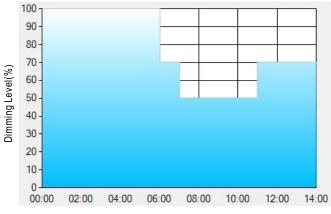
#### ※ DALI Interface (primary side; for DA-Type)

- 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.

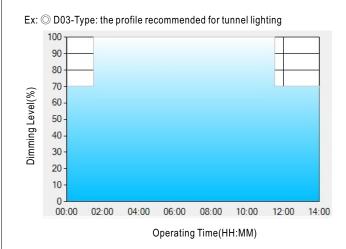
[2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.

- [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.



## ELG-200-C series



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.

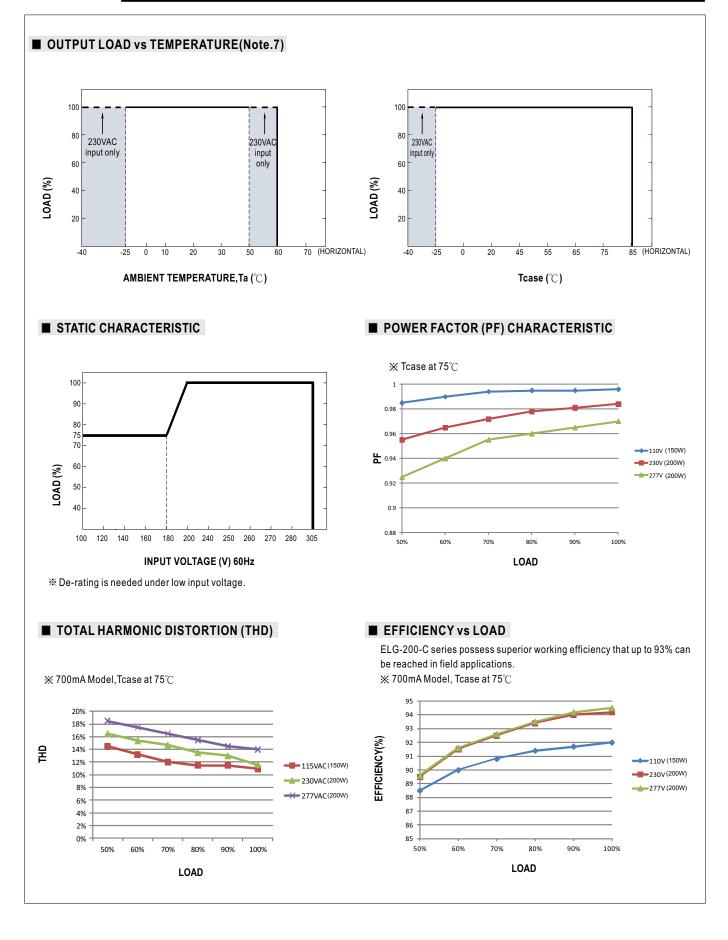
Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance:

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

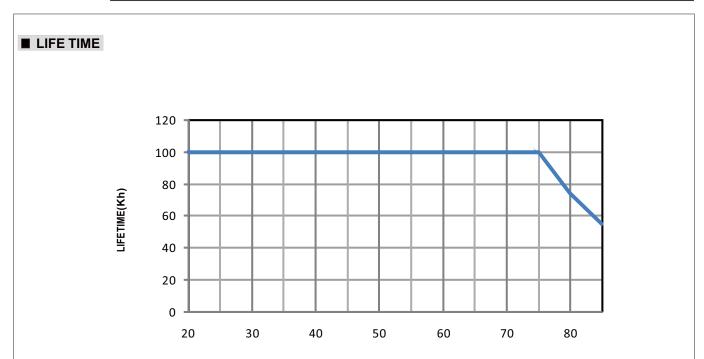
[2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.

[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.









Tcase (°C)



### MECHANICAL SPECIFICATION

