



👿 SELV 🕼 IP65 IP67 🕞 🔣 🕫 c 🕦 us 💩

### (for DA-Type only)

#### Features

- · 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

#### LED street lighting

Applications

- LED harbor lighting
- LED bay lighting
- · LED greenhouse lighting

IS 15885(Part 2/Sec13) 8 R-41027766

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

Fffl @ CB C €

#### Description

ELG-100-C series is a 100W LED AC/DC driver featuring the constant current mode and high voltage output. ELG-100-C operates from 100~360VAC and offers models with different rated current ranging between 350mA and 1400mA. Thanks to the high efficiency up to 92%, with the fanless design, the entire series is able to operate for  $-40^{\circ}$ C  $-+90^{\circ}$ 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-100-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 - 100 - C500 A -

Input wiring type

- Function options C3Y:3-wire input for standard model
- Rated output current (350/500/700/1050/1400mA)
- Rated 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

1		ELG-100-C350	ELG-100-C500	ELG-100-C700	ELG-100-C1050	ELG-100-C1400					
	RATED CURRENT	350mA	500mA	700mA	1050mA	1400mA					
		200VAC ~ 305VAC									
	RATED POWER	100.1W 100W 100.1W 99.75W 100.8W									
	RAIEDFOWER	100VAC ~ 180VAC									
		70W	70W	70W	70.35W	70W					
-	CONSTANT CURRENT REGION Note.2	143~286V	100~200V	71~143V	48~95V	35 ~ 72V					
ουτρυτ	OPEN CIRCUIT VOLTAGE(max.)	297V	210V	149V	105V	75V					
-			ype only (via built-in po	otentiometer)							
	CURRENT ADJ. RANGE	175 ~ 350mA	250 ~ 500mA	350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA					
	CURRENT RIPPLE	5.0% max. @rated cu	rrent								
ŀ	CURRENT TOLERANCE	±5.0%									
-	SET UP TIME Note.4	1000ms/115VAC 500ms/230VAC									
	SLIUF IIWIL Note.4										
	VOLTAGE RANGE Note.3	100 ~ 305VAC 142 ~ 431VDC continue,320VAC for 24Hrs; 360VAC for 1Hr (Please refer to "STATIC CHARACTERISTIC" section)									
		,	TIC CHARACTERISTIC	section)							
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)	PF≧0.97/115VAC, PF	$F \ge 0.95/230VAC, PF \ge$	0.92/277VAC@full load	Į						
		•	ER FACTOR (PF) CHA		,						
	TOTAL HARMONIC DISTORTION		0%/115VC; @load≧60								
INPUT		(Please refer to "TOT	TAL HARMONIC DIST	ORTION(THD)" sectio	n)						
	EFFICIENCY (Typ.)	92%	91%	90%	90%	90%					
	AC CURRENT (Typ.)	1.1A / 115VAC 0.6	6A / 230VAC 0.5A/2	77VAC							
-	INRUSH CURRENT(Typ.)	COLD START 40A(tw	idth=760µs measured ،	at 50% Ipeak)/230VAC	; Per NEMA 410						
	MAX. No. of PSUs on 16A										
	CIRCUIT BREAKER	3 units (circuit breake	er of type B) / 6 units (c	ircuit breaker of type C	) at 230VAC						
	LEAKAGE CURRENT	<0.75mA/277VAC									
ŀ			mption <0.5W for Blank								
	NO LOAD / STANDBY POWER CONSUMPTION		•	• •							
		Standby power consumption <0.5W for B / AB / DA-Type Hiccup mode, recovers automatically after fault condition is removed									
	SHORT CIRCUIT	•									
	OVER VOLTAGE	305~333V	222~242V	154 ~ 174V	110~130V	79~95V					
-		Shut down o/p voltage, re-power on to recover									
	OVER TEMPERATURE		Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	Tcase=-40 ~ +90°C (F	Please refer to " OUTPL	JT LOAD vs TEMPERA	TURE" section)						
	MAX. CASE TEMP.	Tcase=+90°C									
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-con	Idensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95%	6 RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)									
r		10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes									
[	VIBRATION	10 ~ 500Hz. 5G 12mir	,	2min. each along X. Y. Z	Zaxes						
	VIBRATION		n./1cycle, period for 72	<b>2</b> · · ·		andependent EN623					
	VIBRATION SAFETY STANDARDS	UL8750(type"HL"), CS	n./1cycle, period for   72 SA C22.2 No. 250.13-12	2;EN/AS/NZS 61347-1,	Z axes EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67						
		UL8750(type"HL"), CS	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050	2;EN/AS/NZS 61347-1,	EN/AS/NZS 61347-2-13						
		UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G	EN/AS/NZS 61347-2-13						
SAFETY &	SAFETY STANDARDS	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G DA-Type only	EN/AS/NZS 61347-2-13						
SAFETY &	SAFETY STANDARDS	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G DA-Type only /P-FG:1.5KVAC	EN/AS/NZS 61347-2-13						
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P-	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67	7;					
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P-	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 I5,EN61000-3-2 Class C	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH	EN/AS/NZS 61347-2-13	7;					
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000-4	n./1cycle, period for 72 SA C22.2 No. 250.13-12 S15885(for 700A,1050 '-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547	2;EN/AS/NZS 61347-1, A only);GB19510.1 , G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67	7; 7625.1;					
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 15,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 5, KN61547	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6 , light industry level (surge	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li	7; 17625.1; ne-Line 4KV);					
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000 EAC TP TC 020; KC KN1 1087.5K hrs min. Telc	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for 1/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5,KN61547 cordia SR-332 (Bellcore	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6 , light industry level (surge	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1	7; 17625.1; ne-Line 4KV);					
AFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W	n./1cycle, period for 72 SA C22.2 No. 250.13-12 IS15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 I5,EN61000-3-2 Class O N15, KN61547 4-2,3,4,5,6,8,11; EN61547 I5, KN61547 cordia SR-332 (Bellcore V*H)	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6 , light industry level (surge	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li	7; 17625.1; ne-Line 4KV);					
SAFETY &	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5, KN61547 200rdia SR-332 (Bellcore V*H) /0.72CUFT	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≥ 60%) ; EN6 , light industry level (surge e) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25	7; 17625.1; ne-Line 4KV);					
SAFETY & EMC	SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg.	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5, KN61547 cordia SR-332 (Bellcore V*H) /0.72CUFT red at 230VAC input, rate	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load≧60%) ; EN6 , light industry level (surge e) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25	7; 17625.1; ne-Line 4KV); °C )					
SAFETY & EMC	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	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg, Ily mentioned are measur METHODS OF LED MOD	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5, KN61547 cordia SR-332 (Bellcore V*H) /0.72CUFT red at 230VAC input, rate	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load≧60%) ; EN6 , light industry level (surge e) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25	7; 17625.1; ne-Line 4KV); °C )					
SAFETY & EMC OTHERS	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 N under rated power delivery, 3. De-rating may be needed u	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg, Ily mentioned are measur //ETHODS OF LED MOD	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for 1/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5,KN61547 5,KN61547 cordia SR-332 (Bellcore V*H) /0.72CUFT red at 230VAC input, rate OULE". For DA-Type, Con Please refer to "STATIC C	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6 , light industry level (surge e) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 1000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25 nbient temperature. 0%~100% of maximum vo tions for details.	7; 17625.1; ne-Line 4KV); °C )					
SAFETY & EMC	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 under rated power delivery. 3. De-rating may be needed u 4. Length of set up time is me	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg. Ily mentioned are measur /ETHODS OF LED MOD inder low input voltages. F asured at first cold start.	n./1cycle, period for 72 SA C22.2 No. 250.13-12 S15885(for 700A,1050 '-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500' 5,EN61000-3-2 Class O N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5, KN61547 2007 SR-332 (Bellcore V*H) /0.72CUFT red at 230VAC input, rate DULE". For DA-Type, Con Please refer to "STATIC O Turning ON/OFF the drive	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≥ 60%) ; EN6 , light industry level (surge e) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 I000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25 NiL-HDBK-217F (25 NiL-HDBK-217F (25 NiL-HDBK-217F (25) NiL-HDBK-217F (25) NiL-HDBK-21F (25) NiL-HDBK-21F (25) NiL-HDBK-21F (25) NiL-HDBK-21F (25) NiL-HDBK-21F (25)	7; 7625.1; ne-Line 4KV); °C ) oltage					
SAFETY & EMC	SAFETY STANDARDS DALI STANDARDS UITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M under rated power delivery. 3. De-rating may be needed u 4. Length of set up time is me 5. The driver is considered as complete installation, the fir	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg. Ily mentioned are measur METHODS OF LED MOD Inder low input voltages. If asured at first cold start. a component that will be nal equipment manufactur	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for 1/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C (N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5, KN61547 5, KN61547 20rdia SR-332 (Bellcore V*H) /0.72CUFT red at 230VAC input, rate ULE". For DA-Type, Con Please refer to "STATIC O Turning ON/OFF the driv operated in combination res must re-qualify EMC	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load ≧ 60%) ; EN6 , light industry level (surge e) 300.6Khrs min. d current and 25°C of ar istant Current region is 6 CHARACTERISTIC" sec er may lead to increase 0 with final equipment. Sir Directive on the complet	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 I000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25 nbient temperature. 0%~100% of maximum vo tions for details. of the set up time. toce EMC performance will e installation again.	7; 7625.1; ne-Line 4KV); ℃) ○C) □Itage be affected by the					
SAFETY & EMC	SAFETY STANDARDS DALI STANDARDS UITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M under rated power delivery. 3. De-rating may be needed u 4. Length of set up time is me 5. The driver is considered as complete installation, the fir 6. This series meets the typica	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg, Ily mentioned are measur /ETHODS OF LED MOD asured at first cold start. a component that will be all equipment manufactur al life expectancy of >50,0	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for 1/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 (5,KN61547 (5,KN61547 (5,KN61547) (0,72CUFT) red at 230VAC input, rate OULE". For DA-Type, Com Please refer to "STATIC C Turning ON/OFF the driv operated in combination refs must re-qualify EMC 000 hours of operation wf	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / $25^{\circ}$ C / 70% RH C (@ load $\geq$ 60%) ; EN6 , light industry level (surge a) 300.6Khrs min.	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 I000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25 nbient temperature. 0%~100% of maximum vo tions for details. of the set up time. toce EMC performance will e installation again.	7; 7625.1; ne-Line 4KV); °C ) bltage be affected by the					
SAFETY & EMC	SAFETY STANDARDS DALI STANDARDS UITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Please refer to "DRIVING M under rated power delivery. 3. De-rating may be needed u 4. Length of set up time is me 5. The driver is considered as complete installation, the fir	UL8750(type"HL"), CS EAC TP TC 004;BIS I KC61347-1,KC61347 Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN5501 EAC TP TC 020; KC K Compliance to EN61000- EAC TP TC 020; KC KN1 1087.5K hrs min. Telc 199*63*35.5 mm (L*W 0.85kg; 16pcs/14.2kg. Ily mentioned are measur /ETHODS OF LED MOD inder low input voltages. If assured at first cold start. a component that will be all equipment manufactur of statement on MEAN WE erating of 3.5°C/1000m w	n./1cycle, period for 72 SA C22.2 No. 250.13-12 (S15885(for 700A,1050 7-2-13 approved 2386-101, 102, 207 for I/P-FG:2.0KVAC O -FG:100M Ohms / 500 (5,EN61000-3-2 Class C N15, KN61547 4-2,3,4,5,6,8,11; EN61547 5, KN61547 2007 SA	2;EN/AS/NZS 61347-1, A only);GB19510.1, G DA-Type only /P-FG:1.5KVAC VDC / 25°C / 70% RH C (@ load $\geq$ 60%) ; EN6 , light industry level (surge e) 300.6Khrs min. d current and 25°C of ar istant Current region is 6 CHARACTERISTIC" sec er may lead to increase of with final equipment. Sir Directive on the complet hen Tcase, particularly (tr w.meanwell.com f 5°C/1000m with fan mc	EN/AS/NZS 61347-2-13 B19510.14; IP65 or IP67 I000-3-3; GB17743 , GB1 immunity Line-Earth 6KV, Li MIL-HDBK-217F (25 mbient temperature. 0%~100% of maximum vo tions for details. of the set up time. Ince EMC performance will e installation again. Dipoint (or TMP, per DLC) dels for operating altitude	7; 7625.1; ne-Line 4KV); °C) oltage be affected by the , is about 80 °C or less.					





#### ■ DRIVING METHODS OF LED MODULE

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



Typical output current normalized by rated current (%)

© This characteristic applies to Blank/A/B/AB/DX/D2-Type, For DA-Type, the Constant Current area is 60%~100% Vo. 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%

Operating Time(HH:MM)

- \*\*: 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.







## ELG-100-C series

LIFE TIME



Tcase ( $^\circ\!\mathbb{C}$ )











