



Features

- Constant power mode
- Metal housing design with functional ground
- Built-in active PFC function
- Class 2 power unit
- No load / Standby power consumption <0.5W
- Multiple models for choice:
 - A-Type: IP67 rated. Constant current level can be adjusted through internal potentiometer
 - AB-Type: IP67 rated. 3 in 1 dimming function (0~10VDC, PWM signal, and resistance)
- 5 years warranty

XLG-50

INPUT
(3V Models)

OUTPUT
(Non-Dimming Models)

OUTPUT
(Dimming Models)

Coming Soon

A

AB

AC input voltage range	100~305VAC ; 142~431VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	
Over power protection	110%~130% over power protection, recovers automatically after fault condition is removed	
Over temp. protection	Hiccup mode, recovers automatically after fault condition is removed	
Setup, rise, hold up time	500ms, 100ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature	Tcase= -40~+85°C	
Safety standards	UL8750, ENEC AS/NZS EN61347-1, ENEC/AS/NZS EN61347-2-13 independent, EN62384; GB19510.1, GB19510.14, EAC TP TC 004 approved	
EMC standards	EN55015, EN61000-3-2 Class C; EN61000-3-3; GB17743, GB17625.1, EN61000-4-2,3,4,5,6,8,11; EN61547, EAC TP TC 020	
Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	<ul style="list-style-type: none"> ▪ Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) ▪ B/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)
Dimension (LxWxH) (mm)	105x 63x 30	

XLG-50 Series

Model No.	Output	Tol.	I _o Ripple	Effi.
XLG-50-□	22~54V, 0.53A~2.1A	5%	5%	90%

□ = A, AB



Source: Neutroni Lighting Inc.



Features

- Constant voltage+constant current modes
- Universal AC input (up to 305VAC) / Full range
- High efficiency up to 91%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Class 2 power unit (ELG-75/100 only)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations with IP67
- Suitable for LED lighting and outdoor lighting applications
- Protections:
 - Short circuit / Over current / Over voltage / Over temp.
- Multiple models for choice:
 - A-Type:** IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer
 - B-Type:** IP67 rated. Constant current level adjustable through output cable with built-in 3 in 1 dimming function (0~10VDC, PWM signal, or resistance)
 - Blank-Type:** IP67 rated. Cable for I/O connection
 - D2-Type:** IP67 rated. Smart timer dimming function*, contact MEAN WELL for details
 - DA-Type:** IP67 rated. DALI control technology
 - BE-Type:** IP67 rated. 3 in 1 dimming function and 15V/400mA auxiliary output (ELG-150 only)
- 5 years warranty

	ELG-75	ELG-100	ELG-150
INPUT	ACN ACL		
INPUT (3Y Models)	ACL ACN FG		
OUTPUT (Non-Dimming Models)	Vo- Vo+		
OUTPUT (Dimming Models)	DIM-/DA DIM+/DA Vo+ Vo-		

AC input voltage range	100~305VAC ; 142~431VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 60A at 230VAC	Cold start, 65A at 230VAC
DC adjustment range	±10% rated output voltage (A-Type only)		
Current adjustment range	50%~100% via potentiometer (A-Type only)		
Over current protection	95%~108% constant current limiting, auto-recovery		
Over voltage protection	110%~140% rated output voltage		
Over temp. protection	Shut down o/p voltage, re-power on to recover		
Setup, rise, hold up time	500ms, 100ms, 10ms at full load and 230VAC		
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC		
Working temperature	Tcase= -40~+85°C	Tcase= -40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards	UL8750, IEC/EN/AS/NZ61347-1,-2-13, EN62384, GB19510.1, GB19510.14, EAC TP TC 004, BIS IS15885(refer to spec for models) approved		
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection	Please refer to page 38		
Dimension (LxWxH) (mm)	180x 63x 35.5	199x 63x 35.5	219x 63x 35.5

ELG-75 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-75-12	12V, 0~5A	±3.0%	150mV	85%
ELG-75-24	24V, 0~3.15A	±3.0%	200mV	88%
ELG-75-36	36V, 0~2.1A	±2.5%	250mV	89%
ELG-75-42	42V, 0~1.8A	±2.5%	250mV	90%
ELG-75-48	48V, 0~1.6A	±2.0%	250mV	90%

ELG-100 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-100-24	24V, 0~4A	±3%	200mV	88%
ELG-100-36	36V, 0~2.66A	±2.5%	250mV	89%

Model No.	Output	Tol.	R&N	Effi.
ELG-100-42	42V, 0~2.28A	±2.5%	250mV	90%
ELG-100-48	48V, 0~2A	±2%	300mV	90%
ELG-100-54	54V, 0~1.78A	±2%	350mV	91%

○ = Blank, A, B, D2 or DA ; □ = Blank, 3Y

ELG-150 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-150-12	12V, 0~1.0A	±3.0%	150mV	88%
ELG-150-24	24V, 0~6.25A	±3.0%	200mV	89%
ELG-150-36	36V, 0~4.17A	±2.5%	250mV	90%
ELG-150-42	42V, 0~3.57A	±2.5%	250mV	90%
ELG-150-48	48V, 0~3.13A	±2.0%	250mV	90%
ELG-150-54	54V, 0~2.8A	±2.0%	350mV	91%

○ = Blank, A, B, D2, DA or BE ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.