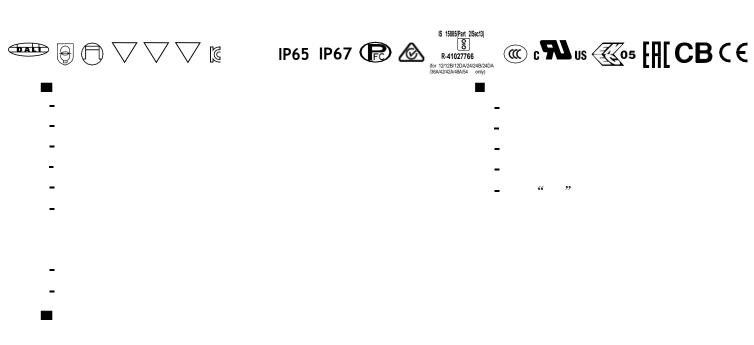


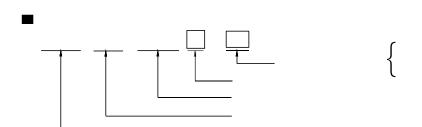
84~150W Constant Voltage + Constant Current LED Driver **ELG-150** series

Buy website address: https://reissopto-led.com/products/meanwell-elg-150-24-elg-150-36-elg-150-48-lighting-power-supplies





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84~150W Constant Voltage + Constant Current LED Driver ELG - 150 series

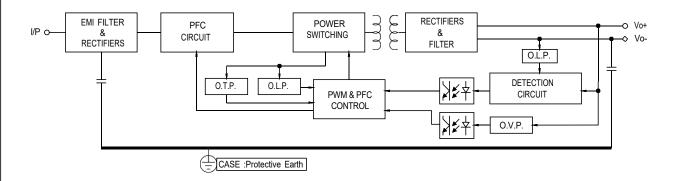
			ELG-150-12	ELG-150-24	ELG-150-36	ELG-150-42	ELG-150-48	ELG-150-54
	DC VOLTAGE		12V	24V	36V	42V	48V	54V
	CONSTANT CURR	ENT REGION Note.2	6 ~ 12V	12 ~ 24V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V
	RATED CURRE	ENT	10A	6.25A	4.17A	3.57A	3.13A	2.8A
	RATED CURREN	T(for BE Type only)	8A	5.6A	3.73A	3.2A	2.8A	2.5A
			100VAC ~ 180VAC					
	RATED	(For All the Types)	84W	105W	105W	105W	105W	105W
	POWER		200VAC ~ 305VAC					
		(Except for BE Type)	120W	150W	150.1W	150W	150.2W	151.2W
		(For BE Type only)	96W	134.4W	134.28W	134.4W	134.4W	135W
	RIPPLE & NOIS	E (max.) Note.3	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p
		, , , , , , , , , , , , , , , , , , , ,	Adjustable for A/AB-Type only (via the built-in potentiometer)					
	VOLTAGE ADJ. RANGE		10.8 ~ 13.2V 21.6 ~ 26.4V 32.4 ~ 39.6V 37.8 ~ 46.2V 43.2 ~ 52.8V 49 ~ 58V					
OUTPUT				Type only (via the built		37.0 ~ 40.20	43.2 ~ 32.00	49 - 300
	CURRENT ADJ	RANGE	5 ~ 10A	1	 	1.0 . 2.574	1.50 . 2.124	144 204
	VOLTACE TOLL	EDANCE N	±3.0%	3.2 ~ 6.25A ±3.0%	2.1 ~ 4.17A	1.8 ~ 3.57A ±2.5%	1.56 ~ 3.13A	1.4 ~ 2.8A ±2.0%
	VOLTAGE TOL				±2.5%		±2.0%	
	LINE REGULA		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGUL		±2.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%
	AUXILIARY DC		,	on 11.5~15.5V)@0.3A				
	SETUP, RISE T	IME Note.6	1600ms, 80ms/115\	/AC 500ms, 100r	ns/230VAC			
	HOLD UP TIME	(Typ.)	10ms/115VAC, 230	/AC				
	VOLTAGE RAN	VOLTAGE RANGE Note.5		100 ~ 305VAC 142 ~ 431VDC				
	TOLINGE NAM	OL NOIG.5	,	ATIC CHARACTERIST	IC" section)			
	FREQUENCY F	RANGE	47 ~ 63Hz					
	POWER FACT	OP.		PF≧0.95/230VAC, PF				
	POWER FAUL	UN	(Please refer to "PO	WER FACTOR (PF) CI	HARACTERISTIC" sec	ction)		
	TOTAL MARKS	DIOTORTIC	THD< 20%(@load34	50%/115VC; @load¾6	0%/230VAC; @load¾	75%/277VAC)		
	TOTAL HARMONIC	DISTORTION		TAL HARMONIC DIST				
INPUT	EFFICIENCY (T	yp.)	88%	89%	90%	90%	90%	91%
	EFFICIENCY (Typ		86%	87%	88%	88%	88%	89%
	AC CURRENT				A/277VAC	1	1	1
		ENT(Typ.)		width=550µs measured		OVAC: Per NFMA 410		
	MAX. No. of PSUs on 16A		JOES STATE OSA(au ooopo measuleu	00 /0 ipoun) at 20	5.7.6, 1 OF HEINA 410		
	CIRCUIT BRE		3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT		<0.75mA / 277VAC					
			No load power consumption <0.5W for Blank / A / Dx / D2-Type					
	NO LOAD / ST		'	•	• • • • • • • • • • • • • • • • • • • •			
	POWER CONSUMPTION		Standby power consumption <0.5W for B / AB / DA-Type					
	OVER CURRENT		95 ~ 108%					
			Constant current limiting, recovers automatically after fault condition is removed					
	SHORT CIRCU	IT	Hiccup mode, recov	ers automatically after			T =	1
PROTECTION			Hiccup mode, recov	28 ~ 34V	41 ~ 48V	47 ~ 54V	54 ~ 62V	59 ~ 68V
PROTECTION	SHORT CIRCU		Hiccup mode, recov 14 ~ 18V Shut down output v	28 ~ 34V oltage, re-power on to	41 ~ 48V recover		54 ~ 62V	59 ~ 68V
PROTECTION	OVER VOLTAG	GE RATURE	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v	28 ~ 34V oltage, re-power on to oltage, re-power on to	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
PROTECTION	OVER VOLTAGE OVER TEMPER WORKING TEM	GE RATURE IP.	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v	28 ~ 34V oltage, re-power on to	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
PROTECTION	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE	GE RATURE IP. MP.	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v Tcase=-40 ~ +90°C Tcase=+90°C	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
PROTECTION	OVER VOLTAGE OVER TEMPER WORKING TEM	GE RATURE IP. MP.	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v Tcase=-40 ~ +90°C Tcase=+90°C 20 ~ 95% RH non-co	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
PROTECTION	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE	GE RATURE IP. MP. MIDITY	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v Tcase=-40 ~ +90°C Tcase=+90°C	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI	GE RATURE IP. MP. MIDITY P., HUMIDITY	Hiccup mode, recov 14 ~ 18V Shut down output v Shut down output v Tcase=-40 ~ +90°C Tcase=+90°C 20 ~ 95% RH non-co	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH	41 ~ 48V recover recover	47 ~ 54V	54 ~ 62V	59 ~ 68V
	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEM	GE RATURE IP. MP. MIDITY P., HUMIDITY	Hiccup mode, recover 14 \sim 18V Shut down output versions Shut down output versions Tcase= $-40 \sim +90^{\circ}$ C Tcase= $+90^{\circ}$ C $= 20 \sim 95\%$ RH non-cut $= 40 \sim +80^{\circ}$ C, $= 10 \sim 95\%$	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH	41 ~ 48V recover recover PUT LOAD vs TEMP	47 ~ 54V ERATURE" section)	54 ~ 62V	59 ~ 68V
	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI	GE RATURE IP. MP. MIDITY P., HUMIDITY	Hiccup mode, recover 14 \sim 18V Shut down output versions Shut down o	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH ondensing for RH c) nin/1cycle, period for except for BE-type), CS.	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1	47 ~ 54V ERATURE" section) Y, Z axes 2;	54 ~ 62V	59 ~ 68V
	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEM TEMP. COEFFI VIBRATION	RATURE IP. MP. MIDITY P., HUMIDITY CIENT	Hiccup mode, recover 14 \sim 18V Shut down output versions Shut down o	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH onin/1cycle, period for xcept for BE-type), CS. 347-1,IEC/EN/AS/NZS	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen	47 ~ 54V ERATURE" section) Y, Z axes 2; dent,	54 ~ 62V	59 ~ 68V
	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI	RATURE IP. MP. MIDITY P., HUMIDITY CIENT	Hiccup mode, recover 14 ~ 18V Shut down output vortices = -40 ~ +90°C Tcase=+90°C 20 ~ 95% RH non-cut -40 ~ +80°C, 10 ~ 90 ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12n UL8750(type"HL")(e IEC/EN/AS/NZS 61 EN62384,BIS IS156	28 ~ 34V oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH onin./1cycle, period for xcept for BE-type), CS. 347-1,IEC/EN/AS/NZS 885(for 12/12B/12DA/2-1)	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 1/24B/24DA/36A/42/42	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only),		59 ~ 68V
ENVIRONMENT	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS	Hiccup mode, recoved 14 ~ 18V Shut down output vortices 20 ~ 90°C Tcase=+40 ~ +90°C 20 ~ 95% RH non-cut -40 ~ +80°C, 10 ~ 90°C 10 ~ 500Hz, 5G 12n UL8750(type"HL")(e IEC/EN/AS/NZS 61 EN62384,BIS IS156 EAC TP TC 004,GI	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH ondensing 5% RH inin/1cycle, period for except for BE-type), CS. 347-1,IEC/EN/AS/NZS 385(for 12/12B/12DA/2319510.1,GB19510.14;	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 1/24B/24DA/36A/42/42 IP65 or IP67; KC61:	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 a		59 ~ 68V
ENVIRONMENT	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS	Hiccup mode, recove 14 ~ 18V Shut down output version output vers	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for except for BE-type), CS. 347-1, IEC/EN/AS/NZS 385(for 12/12B/12DA/2-2319510.1,GB19510.14; 32386-101,102,(207 by	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61. request) for DA Tyj	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 a		59 ~ 68V
ENVIRONMENT	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE	Hiccup mode, recoved 14 ~ 18V Shut down output version output ver	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for except for BE-type), CS, 347-1, IEC/EN/AS/NZS, 385(for 12/12B/12DA/2, 319510.1,GB19510.14; 32386-101,102,(207 by I/P-FG:2.0KVAC	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Tyt O/P-FG:1.5KVAC	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only		59 ~ 68V
ENVIRONMENT	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE	Hiccup mode, recove 14~18V Shut down output vortices 20~95% RH non-cot 20~95% RH no	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for except for BE-type), CS, 347-1, IEC/EN/AS/NZS, 385(for 12/12B/12DA/2, 319510.1, GB19510.14; 62386-101,102,(207 by I/P-FG:2.0KVAC	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only	pproved	
ENVIRONMENT	OVER VOLTAGE OVER TEMPEF WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE	Hiccup mode, recove 14~18V Shut down output vortices 20~95% RH non-cot 20~95% RH no	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for except for BE-type), CS, 347-1, IEC/EN/AS/NZS, 385(for 12/12B/12DA/2, 319510.1, GB19510.14; 62386-101,102,(207 by I/P-FG:2.0KVAC	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only		
ENVIRONMENT	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions output v	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for recept for BE-type), CS, 347-1, IEC/EN/AS/NZS 347-1, IEC/EN/AS/NZS 3895(for 12/12B/12DA/2-B19510.14; 62386-101,102,(207 by I/P-FG:2.0KVAC 2-FG:100M Ohms / 50 olts, EN61000-3-2 Class	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F C (@load≥60%); EN	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only RH 161000-3-3; GB17743, G	pproved	20; KC KN15,KN618
ENVIRONMENT	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE EMC EMISSION	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions of the second output versions output ver	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH inin/1cycle, period for recept for BE-type), CS, 347-1, IEC/EN/AS/NZS 347-1, IEC/EN/AS/NZS 3895(for 12/12B/12DA/2-B19510.14; 62386-101,102,(207 by I/P-FG:2.0KVAC 2-FG:100M Ohms / 50 olts, EN61000-3-2 Class	recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F C (@load≥60%); EN light industry level (surge	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only RH H61000-3-3; GB17743, G immunity Line-Earth 6KV,	oproved B17625.1,EAC TP TC 02 Line-Line 4KV),EAC TP TC	20; KC KN15,KN618
SAFETY &	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE EMC EMISSION EMC IMMUNIT	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions of the second output versions output ver	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to * OUT ondensing 5% RH onin./1cycle, period for incomparts of BE-type), CS, 347-1, IEC/EN/AS/NZS 347-1, IEC/EN/AS/NZS 3895(for 12/12B/12DA/2- 3819510.1, GB19510.14; 52386-101,102,(207 by I/P-FG:2.0KVAC P-FG:100M Ohms / 50 115,EN61000-3-2 Class 4-2,3,4,5,6,8,11; EN61547, cordia SR-332 (Bellcore	recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F C (@load≥60%); EN light industry level (surge	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only RH H61000-3-3; GB17743, G immunity Line-Earth 6KV,	oproved B17625.1,EAC TP TC 02 Line-Line 4KV),EAC TP TC	20; KC KN15,KN618
NVIRONMENT SAFETY &	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEM TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE EMC EMISSION EMC IMMUNIT MTBF	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions of the second output versions output ver	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH c) nin./1cycle, period for recept for BE-type), CS, 347-1, IEC/EN/AS/NZS 3847-1, IEC/EN/AS/NZS 389510.1,GB19510.14; 52386-101,102,(207 by I/P-FG:2.0KVAC 2-FG:100M Ohms / 50 15,EN61000-3-2 Class 4-2,3,4,5,6,8,11; EN61547, cordia SR-332 (Bellcore W*H)	recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F C (@load≥60%); EN light industry level (surge	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 ape only RH H61000-3-3; GB17743, G immunity Line-Earth 6KV,	oproved B17625.1,EAC TP TC 02 Line-Line 4KV),EAC TP TC	20; KC KN15,KN618
SAFETY & EMC	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEM TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE EMC EMISSION EMC IMMUNIT MTBF DIMENSION	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions output v	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH c) nin./1cycle, period for recept for BE-type), CS, 347-1, IEC/EN/AS/NZS 3847-1, IEC/EN/AS/NZS 389510.1,GB19510.14; 52386-101,102,(207 by I/P-FG:2.0KVAC 2-FG:100M Ohms / 50 15,EN61000-3-2 Class 4-2,3,4,5,6,8,11; EN61547, cordia SR-332 (Bellcore W*H)	recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Ty; O/P-FG:1.5KVAC DVDC / 25°C/ 70% F C (@load≥60%); EN light industry level (surge	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 apo only RH I61000-3-3; GB17743, G immunity Line-Earth 6kV, min. MIL-HDBK-21	oproved B17625.1,EAC TP TC 02 Line-Line 4KV),EAC TP TC	20; KC KN15,KN618
SAFETY & EMC	OVER VOLTAGE OVER TEMPER WORKING TEM MAX. CASE TE WORKING HUI STORAGE TEM TEMP. COEFFI VIBRATION SAFETY STAN DALI STANDAR WITHSTAND V. ISOLATION RE EMC EMISSION EMC IMMUNIT MTBF DIMENSION	GE RATURE IP. MP. MIDITY P., HUMIDITY CIENT DARDS DS OLTAGE SISTANCE	Hiccup mode, recove 14~18V Shut down output versions output v	28 ~ 34V oltage, re-power on to oltage, re-power on to oltage, re-power on to oltage, re-power on to (Please refer to " OUT ondensing 5% RH c) nin./1cycle, period for recept for BE-type), CS, 347-1, IEC/EN/AS/NZS 3847-1, IEC/EN/AS/NZS 389510.1,GB19510.14; 52386-101,102,(207 by I/P-FG:2.0KVAC 2-FG:100M Ohms / 50 15,EN61000-3-2 Class 4-2,3,4,5,6,8,11; EN61547, cordia SR-332 (Bellcore W*H)	41 ~ 48V recover recover PUT LOAD vs TEMP 72min. each along X, A C22.2 No. 250.13-1 61347-2-13 indepen 4/24B/24DA/36A/42/42 IP65 or IP67; KC61: request) for DA Tyr O/P-FG:1.5KVAC ©VDC / 25°C/ 70% F C (@load ≥ 60%); EN light industry level (surge	47 ~ 54V ERATURE" section) Y, Z axes 2; dent, A/48A/54 only), 347-1,KC61347-2-13 apo only RH I61000-3-3; GB17743, G immunity Line-Earth 6kV, min. MIL-HDBK-21	oproved B17625.1,EAC TP TC 02 Line-Line 4KV),EAC TP TC	20; KC KN15,KN618
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84~150W Constant Voltage + Constant Current LED Driver ELG-150 series

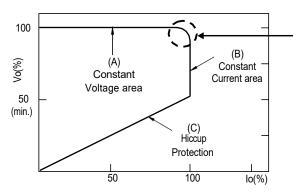
■ Block Diagram

PFC fosc: 50~120KHz PWM fosc: 60~130KHz



■ DRIVING METHODS OF LED MODULE

** 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.



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.

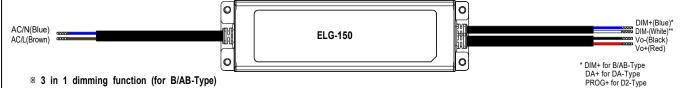
Should there be any compatibility issues, please contact MEAN WELL.

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

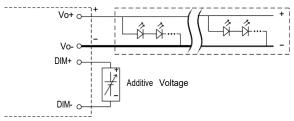


84~150W Constant Voltage + Constant Current LED Driver ELG - 150

■ DIMMING OPERATION

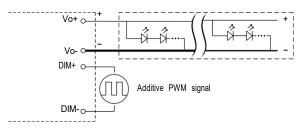


- * 3 in 1 dimming function (for B/AB-Type)
- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: $0 \sim 10 \text{VDC}$, or 10 V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100µA (typ.)
- Applying additive 0 ~ 10VDC



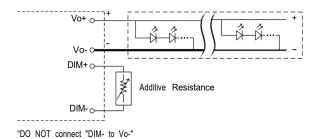
"DO NOT connect "DIM- to Vo-"

Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):



"DO NOT connect "DIM- to Vo-"

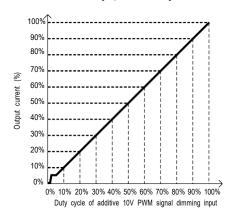
Applying additive resistance:

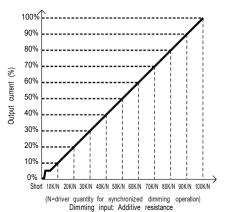


80% current Output 40% 30% 6V 7V 8V 9V 10V 4V 5V Dimming input: Additive voltage

*DIM- for B/AB-Type

DA- for DA-Type PROG- for D2-Type





Note: 1. Min. dimming level is about 8% and the output current is not defined when 0%< Iout<8%.

2. The output current could drop down to 0% when dimming input is about $0k\Omega$ or 0Vdc, or 10V PWM signal with 0% duty cycle.



84~150W Constant Voltage + Constant Current LED Driver **ELG-150**

series

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

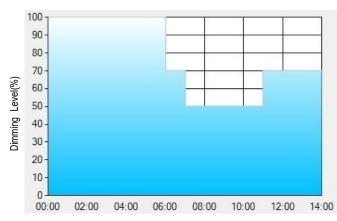
- Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

* 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:

D01-Type: the profile recommended for residential lighting



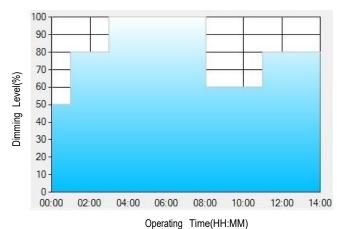
Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	T4
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	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

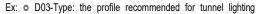
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

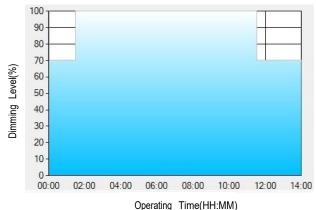
Example: If a street lighting application adopts D02-Type, when turning on the power supply at 5:00pm, for instance:

- [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.



84~150W Constant Voltage + Constant Current LED Driver ELG - 150 series





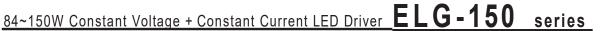
Set up for D03-Type in Smart timer dimming software program:

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

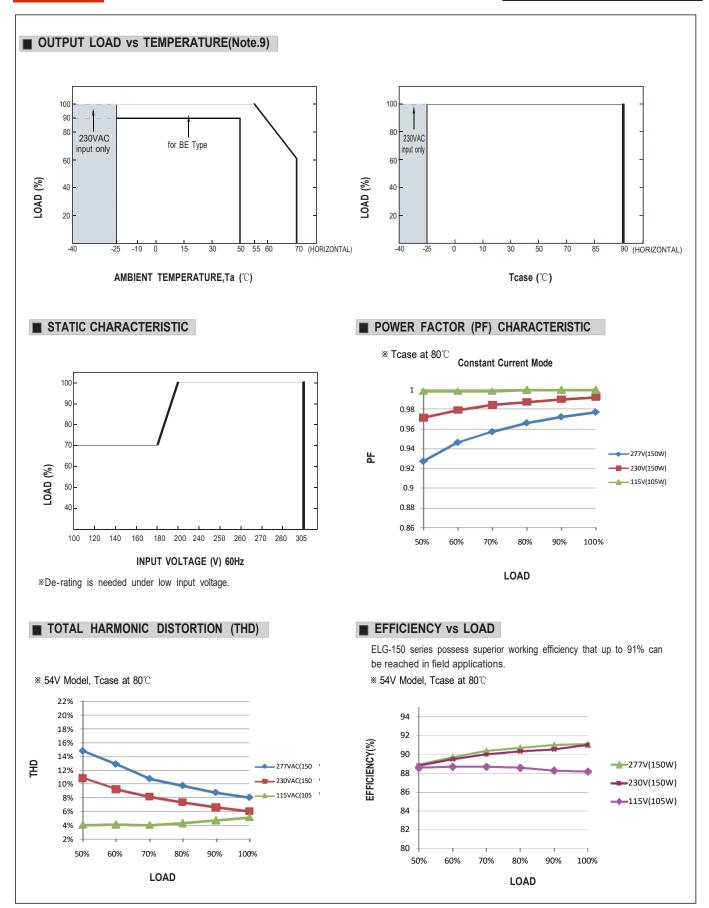
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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

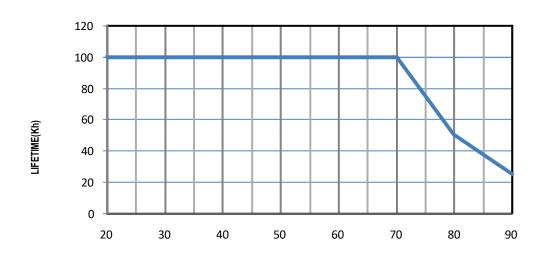
- [1] The power supply will switch to the constant current level at 70% starting from 4:30pm.
- [2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.
- [3] The power supply will switch to the constant current 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.







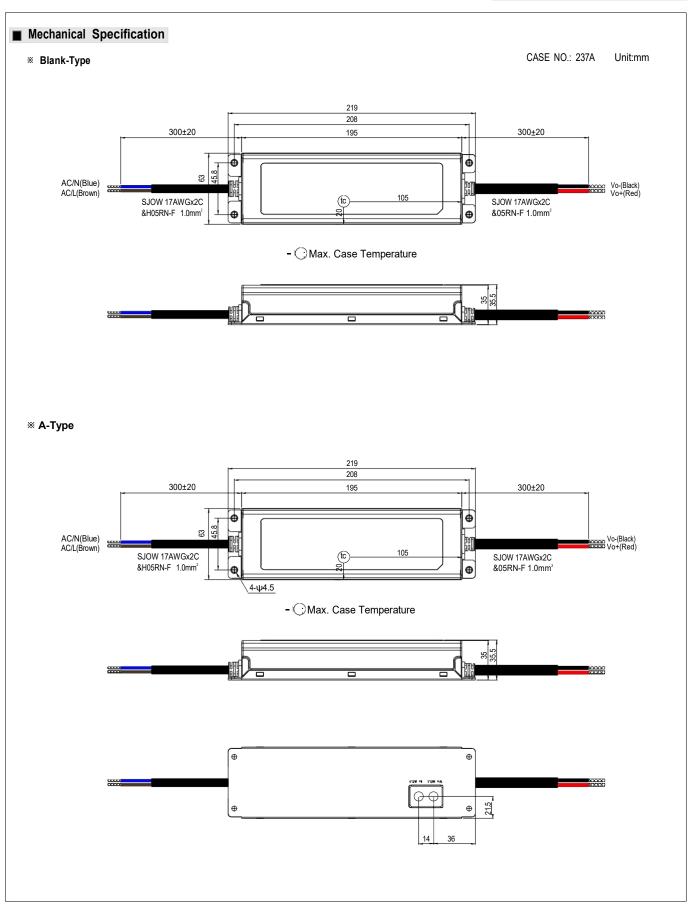
■ LIFE TIME



Tcase (℃)

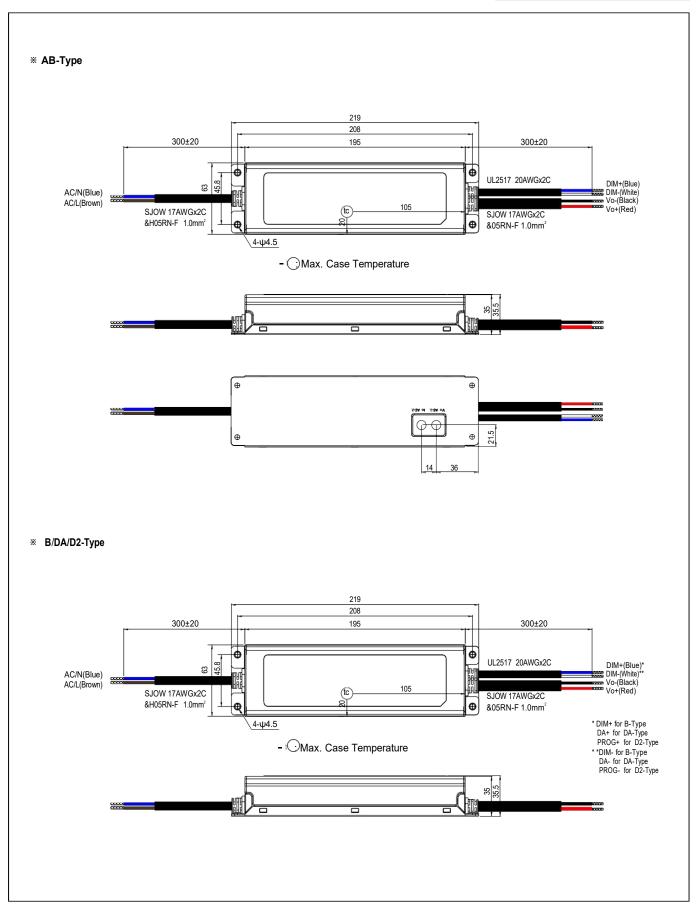


84~150W Constant Voltage + Constant Current LED Driver ELG - 150 series

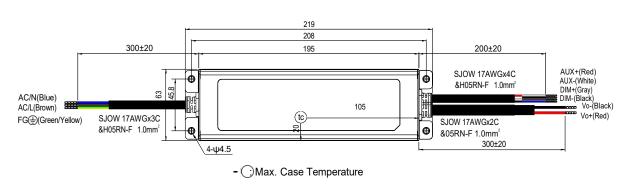


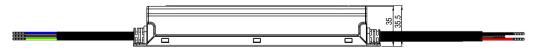


84~150W Constant Voltage + Constant Current LED Driver ELG-150 series

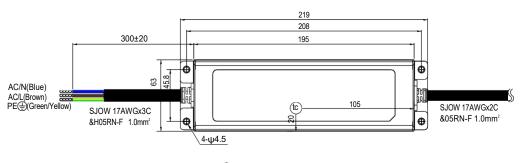


* BE-Type





* 3Y Model (3-wire input)



- Max. Case Temperature

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

■ INSTALLATION MANUAL

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