



ELECTRONIC POWER SUPPLY EQUIPMENT

DL-Pak range



0.25W to 200W

LED

Class 2



DL-Pak drivers are specifically designed for powering LED lamps and lighting fixtures for street lighting.

The range is used to power 12 to 100 LED lamps, with power ratings of 0.25W to 200W.

They stand out because of their very high efficiency and power factor, Class 2 design (no leakage current) and IP65 sealing level.

They are integrated into lamppost bases or wall-mounted junction boxes, away from heat sources (Drivers and LEDs), to maximise their lifetime and light output. This configuration also makes installation and maintenance easy.

ADVANTAGES

Excellent reliability and long life.

Can be configured to meet your specific needs.

Possible distance between driver and source: up to 15m.

Numerous integrated dimming options to optimise energy savings.

Can be configured with my DL-Pak ecosystem (app or setbox)

THE RANGE

Up to 70W



DL-Pak 70

DL-Pak 70L

Up to 100W



DL-Pak 100



DL-Pak 100L

Up to 200W



DL-Pak 200



Makes it possible to obtain energy saving certificates:

- RES-EC-101 > 2.0kWh cumac x P(W).
- RES-EC-102 > 1.6kWh cumac x P(W).
- RES-EC-103 > 8.0kWh cumac x P(W).
- RES-EC-104 > case 1: 9300kWh cumac x N lighting fixtures.
> case 2: 7200kWh cumac x N lighting fixtures.

OPERATION

The DL-Pak drivers are direct current power supplies. They are suitable for the serial connection of LEDs: outstanding flexibility of LED light fixture configurations, uniformity of current, stability of the light, high efficiency, optimisation of LED lifetime, etc.

INTEGRATION

In light fixtures



DL-Pak 70L*

The DL-Pak 70 driver is specifically designed for optimised integration into light fixtures.

Wall-mounting
Electronic equipment for wall-mounted installation is principally supplied in CSL or CSP console junction boxes.



Wall-mounted junction box
+ DL-Pak 70/100/100L/200

In lamppost bases



DL-Pak 70
DL-Pak 100
DL-Pak 200



DL-Pak 70/100/200 + junction box

To facilitate installation, the DL-Pak drivers are available in the form of complete modules.

These modules can be supplied with all Sogexi lamppost junction boxes.

Numerous configurations are possible, including single and double drivers.

DL-Pak renovation kit

Particularly suitable for completing maintenance on existing LED installations, the DL-Pak renovation kit provides a fast and simple solution for keeping your equipment in optimal operating condition.

Benefits of the renovation solution:

- Fewer equipment references for maintaining all of your assets.
- Easily implemented on all existing installations.
- Positioned in lamppost bases to facilitate maintenance.



DL-Pak renovation kit





ELECTRONIC POWER SUPPLY EQUIP- MENT

DL-Pak range

		70 W	100 W		200 W
		DL-Pak 70	DL-Pak 100	DL-Pak 100L	DL-Pak 200
SMART FUNCTIONS					
Light sources		LED	LED		LED
Dimming functions	ITD	●	●		●
	DALI	●	●		●
	PILOT	●	●		●
	DIM/V Dimmer's compatibility with the cabinet	●	●		●
Additional functions	CLO	●	●		●
	POL	●	●		●
Configuration	Configurable current	●	●		●
	Wireless setbox (wireless configuration in the factory)	●	●		●
	DALI setbox (on-site configuration)	●	●		●
TECHNICAL CHARACTERISTICS					
Electrical specifications	Power supply	220-240 V / 50-60 Hz	220-240 V / 50-60 Hz		220-240 V / 50-60 Hz
	Electrical class	Class 2, isolated, SELV	Class 2		Class 2
	Output power (max.)	70 W	100 W		200 W
	Output voltage	18-115 Vdc	35-210 Vdc		35-350 Vdc
	Output current	10 to 700 mA	100 to 700 mA		100 to 2,100 mA
	For information: Max. possible number of LEDs connect- ed in series	6 to 34 LEDs	12 to 60 LEDs		12 to 100 LEDs
	Efficiency @ Pmax	≥ 92.5%	96%		95%
	Power factor @ Pmax	> 0.99	0.98		0.98
	Power factor @ 50% of Pmax	> 0.98	> 0.90		> 0.90
	Power factor @ 20% of Pmax	> 0.95	0.82		0.92
Number per phase B breaker or gG fuse*	Inrush current / Pulse time	20 A / 400 µs	6 A / 0.1 ms		35 A / 1 ms
	16 A	17	25		10/12
	32 A	34	50		20/24
	40 A	42	62		25/30
	> 40 A	= 1.06 x I(A)	= 1.56 x I(A)		= 0.62 / 0.75 x I(A)
Mechanical characteristics	Casing	Self-extinguishing polycarbonate	Self-extinguishing polycarbonate		Self-extinguishing polycarbonate
	IK (EN 62262)	IK08	IK08		IK08
	IP (EN 60529)	IP65	IP65	IP21	IP65
	Max. distance from the light source	15 metres	15 metres	2 metres	15 metres
Other characteristics	Estimated lifetime	100,000 hours at Tc < 68°C (90%)	100,000 hours at Tc < 55°C (90%)		80,000 hours at Tc < 55°C (90%)
STANDARDS AND CERTIFICATIONS					
Certifications		CE & ENEC	CE		CE
Product standards		EN61347-1 / EN61347-2-13 EN62384 EN61547 EN55015 / EN61000-3-2 / EN61000-3-3	EN61347-1 / EN61347-2-13 EN62384 EN61547 EN55015 / EN61000-3-2 / EN61000-3-3		EN61347-1 / EN61347-2-13 EN62384 EN61547 EN55015 / EN61000-3-2 / EN61000-3-3

* A/B values: values for double light lampposts and/or matching / values for spaced single light lampposts.



DIMENSIONS OF DRIVER ONLY

		H1 (mm)	H2 (mm)	L (mm)	P (mm)	E (mm)
70W	DL-Pak 70	123	197	59	49,5	/
	DL-Pak 70L	123	172,5	59	49,5	139
100W	DL-Pak 100	143	173	67	45	160
	DL-Pak 100L	133	155	66	46	145
200W	DL-Pak 200	175	205	72	45	190

DIMENSIONS OF SINGLE CONTROL GEAR MODULE (1 DRIVER + JUNCTION BOX)

		Associated junction boxes	H1 (mm)	H2 (mm)	L (mm)	P (mm)	Inscribed square (mm)	Inscribed diam. (mm)
70W	DL-Pak 70	Minipak*	218	283	59	64	59 x 52	Ø79
		Dynapak*	218	295	59	79	59 x 65	Ø88
		Citypak*	218	388	67	79	59 x 65	Ø88
		Polypak	218	267	70	101	70 x 88	Ø113
		Europak	218	349	70	101	70 x 88	Ø113
100W	DL-Pak 100	Minipak*	268	283	67	62	67 x 47	Ø82
		Dynapak*	273	295	67	77	67 x 60	Ø91
		Citypak*	278	388	67	77	67 x 60	Ø91
		Polypak	158	267	70	95	70 x 86	Ø111
		Interpak	158	349	70	95	70 x 87	Ø111
200W	DL-Pak 200	Europak	283	460	84	96	84 x 93	Ø125
		Dynapak*	305	295	72	77	72 x 58	Ø93
		Citypak*	310	388	72	77	72 x 58	Ø93
		Polypak	190	267	72	95	72 x 85	Ø112
		Interpak	190	349	72	95	72 x 86	Ø112
2 x 200W	DL-Pak 200	Europak	314	460	84	96	84 x 93	Ø125

DIMENSIONS OF DOUBLE CONTROL GEAR MODULE (2 DRIVERS + JUNCTION BOX)

		Associated junction boxes	H1 (mm)	H2 (mm)	L (mm)	P (mm)	Inscribed square (mm)	Inscribed diam. (mm)
2 x 70W	DL-Pak 70	Interpak	371	349	70	101	70 x 88	Ø113
		Europak	371	460	84	107	84 x 94	Ø126
2 x 100W	DL-Pak 100	Interpak	370	349	70	95	70 x 87	Ø111
		Europak	545	460	84	109	84 x 93	Ø125
2 x 200W	DL-Pak 200	Interpak	435	349	72	95	72 x 86	Ø112
		Europak	545	460	84	109	84 x 93	Ø125

