

Installation Instructions – PM166

SLDL614T Feature-LIGHTZ

Classification: IC-F / IC-4

Recessed luminaire where approved fixed building insulation material that can be safely be continuously exposed to 90°C is allowed to abut and cover the luminaire.

700mA (max) constant current driver is non-coverable

Constant current:

700mA (max)

Approved insulation:

Pink Batts, Bradford Gold, InsulPro Polyester insulation, Ecofleece, Autex Greenstuf, Earthwool, Premier insulation.

Contact Switch Lighting for other insulation information.

Caution:

Always turn power off when connecting or disconnecting luminaires.

Note:

IP44 rated.

Suitable for indoor use or outdoor use in dry protected location.

Warranty:

Luminaire: 7 years

Driver: 5 years

Proof of purchase is required. See website for full warranty conditions.

Please see overleaf for driver compatibility chart

For Dimmer information visit www.switch-lighting.co.nz

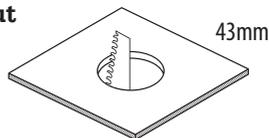
Library / Spec Sheets / LED Tips and Tricks / pages 4-5

Required clearance: Standard

Required clearance from structural members and building elements:

SCB = 0mm HCB = 0mm

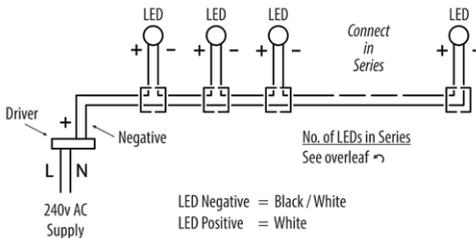
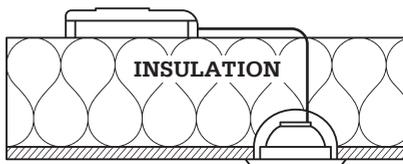
Cut-out



Installation:

(by registered electrician only)

1. Ensure driver is disconnected from mains supply before connecting LED/s.
2. Connect the LED/s and driver in **SERIES**.
3. Ensure connections are watertight – LED/s and driver may be permanently damaged if not wired correctly.



How many constant current lights per driver?

Use the convenient table below to check max & min number of lights to connect:

230V Constant current drivers								
Driver	Power max	Max V	Output	SLDL614T	SLDL614T	SLDL614T	Dimmable	Comment
Current				350mA	500mA	700mA		
LO5020	12W	3-32	350/700mA	1-9	N/A	4 (5 just ok)	No	
LO5021	12W	3-32	350/700mA	4-9	N/A	4 (5 just ok)	TE dimmable	TE
LO5049	40W	20-60	245-1050mA	9-18	9-18	9-18	1-10V dimmable	Dimming is very poor. 125mA minimum. Specify current on order.
LO5016i	20W	3-32	350/700mA	1-9	N/A	1-9	1-10V + switch	1-10V dimmable + switch dimmable
LO5011i	20W	3-32 + 12/24V	350/700/1050mA	1-9	N/A	1-9	1-10V + switch	1-10V dimmable + switch dimmable
CL700S-240-C	33W	9-48	350/700mA	4-14	N/A	4-14	No	
CL500-240-C	24W	9-48	500mA	N/A	3-15	N/A	No	
CL500A-240-C	24W	11-48	500mA	N/A	4-15	N/A	1-10V dimmable	Resistor programmable
CL500D-240-C	24W	15-48	500mA	N/A	5-15	N/A	Dali	
Mini350mA	4W	3-12	350mA	1-3	N/A	N/A	No	IP65
Mini700mA	4W	3-6	700mA	N/A	N/A	1	No	IP65
IE-12D	12W	Varies	180-500mA	5-11	5-7	N/A	Dali	Dali 1-100% dimming. Specify current on order.

Low voltage DC drivers (for battery and solar use)						
Driver	Power max	Input V	Output	SLDL614T	Dimmable	Comment
LDD350LW	8W	9-36V	2-32V @350mA	Depends on i/p voltage from batteries etc. 3@12V i/p 6@24V i/p	PWM dimming	Step down only. o/p volts=i/p volts - 3V
LDB300LW	12W	9-36V	2-40V @300mA	1-12 @300mA	PWM dimming	Step up/down. Can also power SL40/SL50/SL55 from batteries

Constant current cable size guide

(gives maximum end-to-end cable length vs wire CSA)

Current	Cable Size (mm ²)				
	0.3mm ²	0.5mm ²	1mm ²	1.5mm ²	2.5mm ²
350mA	35m	60m	120m	190m	320m
500mA	20m	30m	60m	95m	160m
700mA	20m	30m	60m	95m	160m