

Installation Instructions – PM167

SL900 / SL901 M-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.

Constant current:

350mA (max) stainless steel, copper
500mA (max) natural or black anodise, white

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:

IP67 front face only.

White models suitable for indoor use only.

Warranty:

Luminaire: 7 years (5 years if outdoors)

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

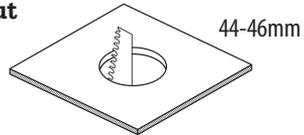
Library / Spec Sheets / LED Tips and Tricks / pages 4-5

Required clearance: Standard

Required clearance from structural members and building elements:

SCB = 0mm **HCB** = 0mm

Cut-out

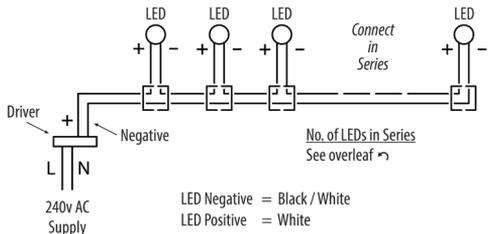


Installation:

(by registered electrician only)

If using non-standard driver, connect lights in **SERIES**.

Standard driver supplied with light uses 1 driver per light.



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	SL900/SL901	SL900/SL901	Dimmable	Comment
Current				350mA	500mA		
LO5020	12W	3-32	350mA	1-3	N/A	No	
LO5021	12W	3-32	350mA	1-3	N/A	TE dimmable	TE
LO5049	40W	20-60	245-1050mA	3-6	3-6	1-10V dimmable	Dimming is very poor. 125mA minimum. Specify current on order.
LO5016i	20W	3-32	350/700mA	1-3	N/A	1-10V + switch	1-10V dimmable + switch dimmable
LO5011i	20W	3-32 + 12/24V	350/700/1050mA	1-3	N/A	1-10V + switch	1-10V dimmable + switch dimmable
CL700S-240-C	33W	9-48	350/700mA	1-5	N/A	No	
CL500-240-C	24W	9-48	500mA	N/A	1-4	No	
CL500A-240-C	24W	11-48	500mA	N/A	2-4	1-10V dimmable	Resistor programmable
CL500D-240-C	24W	15-48	500mA	N/A	2-5	Dali	
Mini350mA	4W	3-12	350mA	1	N/A	No	IP65
IE-12D	12W	Varies	180-500mA	2-3	2-2	Dali	Dali 1-100% dimming. Specify current on order.
SL500D	9W	8-18	500mA	N/A	1	TE dimmable	TE

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