

Installation Instructions – PM172

SL231 / SL241 Marker-LIGHTZ | SL41 Multi-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 voltage:

11-13VDC

Approved insulation:

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

Contact Switch Lighting for other insulation information.

Caution:

All cabling connections required to be fully waterproofed for exterior installation.

DO NOT use 12V or 24V AC drivers.

Warranty:

Luminaire: 7 years (5 years if outdoors)

Proof of purchase is required.

Warranty will be void if the product is immersed fully in water.

See website for full warranty conditions.

Please see overleaf for Constant Voltage information

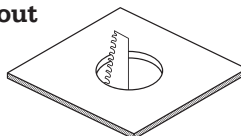
www.switch-lighting.co.nz

Required clearance: Standard

Required clearance from structural members and building elements:

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

Cut-out



SL231 16mm

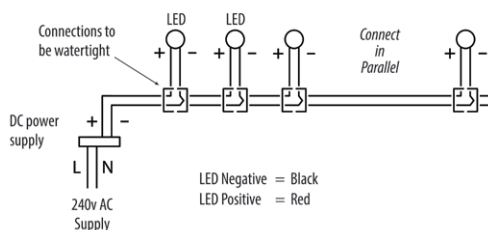
SL241 20mm

SL41 32mm

Installation:

(by registered electrician only)

1. Connect the lights in **PARALLEL**.
2. Ensure 12VDC power supply is adequately rated.
SL41: allow 1.6W per light.
SL231/SL241: allow 20mW per light (0.02W)
3. Ensure cable is adequately rated.



SL231 / SL241 can use 24VDC power supply unit.
This will require smaller cables.



How many constant voltage lights per driver?

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

230V Constant voltage drivers						
Driver	Power max	V	Output	SL41	SL231 SL241	Dimmable
Q4-12V-20W	20W	12	12V@1.7A	1-12	1-680	No
SLDV-12V-40W	40W	12	12V@3.3A	1-24	1-1300	No
SLDV-12V-75W	75W	12	12V@6.25A	1-45	1-2000	No
SLDV-24V-40W	40W	24	24V@1.5A	N/A	1-1000	No
SLDV-24V-75W	75W	24	24V@3.15A	N/A	1-2000	No
SLDV-24V-150W	150W	24	24V@6.3A	N/A	1-4000	No

For cable sizing information, please visit www.switch-lighting.co.nz / Library / Spec Sheets / LED Tips and Tricks / page 7-8.