

INSTALLATION INSTRUCTIONS AND SPECIFICATIONS

MODEL: SL40 DOWNLIGHT KIT 9 - 36 VDC driver

This data sheet describes how to install a DC driver running from a low voltage DC supply (such as a 12 or 24Volt battery) to power a Switch Lighting SL40 downlight.

Insulation rating: IC-F – recessed luminaire where approved fixed building insulation material that can safely be continuously exposed to 80deg C is allowed to abut and cover the luminaire only

Approved Insulation: Pink Batts, Bradford Gold, InsulPro Polyester insulation, Ecofleece, Autex Greenstuf, Earthwool, Premier insulation

Caution: Macerated paper (Insul-fluf) and other loose fill insulation as defined in NZS 4246 is not permitted to abut or cover this Luminaire or driver or be used anywhere near this downlight.

Other Insulation:

Building insulation that abuts or covers a recessed luminaire, or is part of a recessed luminaire, or is within 100 mm horizontally of a luminaire shall:

- Maintain its dimensions and structural integrity when exposed to the maximum surface temperature of the class of luminaire, being 150°C in the case of CA-135 luminaires and 90°C in the case of IC-F, IC and CA-80 luminaires;
- When intended to be in contact with IC-F, IC, CA 80 and CA 135 recessed luminaires, withstand a 30 s needle flame test carried out in accordance with AS/NZS 60695.11.5 with the flame applied to all surfaces of the sample.

LED Current: 300mA

Total power (incl driver): 12.8 Watts

IP rating: IP65 on front side of Luminaire and IP44 on rear

side **Input Voltage:** 9 - 36VDC (Note input current is voltage dependent. At 12V = 900mA, at 24V = 450mA)

RISK OF FIRE – Required Clearance from Structural Members and building elements
SCB = 0mm HCB = 0mm

- For indoor use only $t_a=25^{\circ}\text{C}$ or suitable for covered Outdoor – permanent use
- Installation hole diameter: 100-120mm
- Fire resistance rating or acoustic rating: N/A
- Install light only under insulation

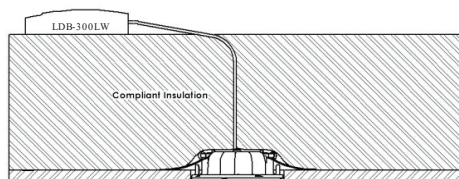
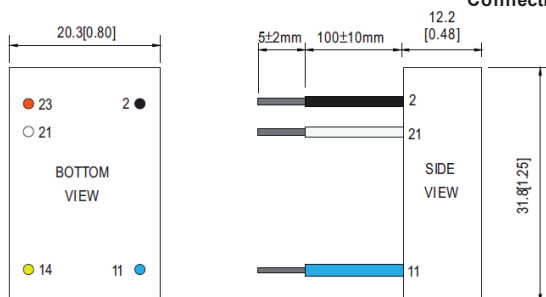


Diagram A

- Driver to be placed ABOVE insulation

Connection



Pin No.		Comment
2	-Vin (Black)	Don't connect to -Vout
11	-Vout (Blue)	LED - Connection
14	+Vout (Yellow)	LED + Connection
21	PWM DIM (White)	ON/OFF and PWM Dimming (Leave open if not used)
23	+Vin (Red)	DC Supply

NOTE: All wires UL3385 22AWG