

POWERVERTER Pro

PVPro-L SEAT MOUNTED READING LIGHT

PVPro-L - THE DISCREET SOLUTION FOR PERSONAL SEAT MOUNTED READING LIGHTS

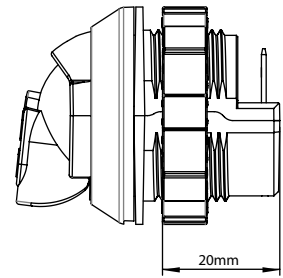
Achieving the correct ambient lighting in buses and coaches while driving at night can be a challenge. Some passengers may wish to rest, others might like to read or check and update mobile devices. This causes the dilemma: lights on or off? At night, typically lights are dimmed and passengers can choose a private reading light, illuminating their surroundings, usually situated in the ceiling of the vehicle. However, to reach from the ceiling, such lights need to be quite bright. This can cause annoyance to nearby passengers, as well as a significant rear view distraction to the driver as lights flash on and off.



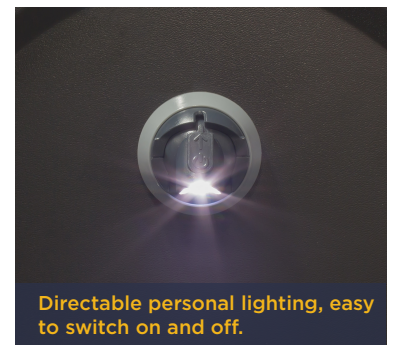
PowerVerter USB PVPro-D and PVPro-L

The Alfatronix PVPro-L reading light offers the ideal solution. It can be installed in the back of the seat in front. The light ray can be directed to the left or right as well as forward or backwards for discreet, yet maximum comfort for both the user and their neighbours.

The PVPro-L reading light is designed to match with our already popular PVPro range of USB chargers. With passenger accessible charging and directable personal lighting, these two products offer a simple and inexpensive offering that significantly enhances customer experience.



Slim design can be installed with as little as 20mm rear space.



Directable personal lighting, easy to switch on and off.

Part Number	Description	Dimensions (mm)	Weight
PVPro-L	12/24 seat mounted reading light	Ø37 x 45; Hole Ø30	19g

For 12/24 Vdc USB Chargers, please see our PowerVerter Pro Range.

TECHNICAL DATA

Input voltage range	9-32Vdc		
Output light	500 lux @ 0.25m, 225 lux @ 0.5m		
Transient voltage protection	Meets ISO7637-2 International standard for 12/24V vehicles		
Off load current (quiescent current)	< 2mA @ 12V, 7mA @ 24V		
Power conversion efficiency	Light on 98mA @ 12V, 48mA @ 24V		
Operating / Storage temperature	-25°C to +55°C to meet this specification table / -25°C to +100°C		
Operating humidity	95% max., non-condensing		
Casework	Polycarbonate body		
Connections	Input: 6.3mm push-in flat blade connectors	On/off switch incorporated	
Output indicator	Blue LED output indication when reading light off		
Mounting method	30mm diameter hole with or without bezel.		
Safe area protection: Over- & Undervoltage, Reverse Polarity Transients Catastrophic protection	Over heat	Limited by temperature sensing circuit	
		Limited by sensing circuit	
		Protected by filters and rugged component selection	
		Internal fuse	
Approvals	2014/30/EU The general EMC directive, Regulation 10 The automotive directive, 93/68/EEC The CE marking directive, AES5, ECE R118.02 and UL 94: V-0		
Designed to	EN50498, EN61373, EN45545-2 and ISO 7637-2 To meet railway approval to EN50155 & EN50121-3-2 the PVPro-L is to be used with a PV6i-R or PV12i-R Please see PowerVerter PVPro Railway		
Markings / IP Rating	CE and E (automotive) marked / IP30		