



BRIGHT6 BIKE INSTRUCTIONS



Thank you for purchasing the Bright6 Bike warning light module. This product brings a production vehicle class finish to the aftermarket.

- The very latest LED technology has been used to create a high contrast and definition warning light module.
- Smaller than others & great value for money.
- Only 8 wires to connect, instead of 12.
- 6 backlit symbols on a self-adhesive black textured fascia panel.
- Longer life than incandescent lamps.
- Easy to install.
- Temperature range: 0°C to +40°C.
- Operating Voltage: 9 to 16 Volts.
- Viewing angle: 30° included.

There are two ways to mount the unit within a dashboard. You can have the fascia panel situated either in front of, or behind the dash. The fascia panel has a permanent adhesive selectively applied to allow it to bond to any flat smooth non-porous surface.

Front Mounted Installation:

Figure 1 shows a cross section through the dashboard and Bright6 module, with a front-mounted fascia panel.

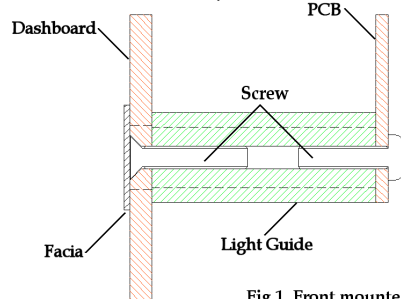


Fig 1. Front mounted

Removing the adhesive backing paper and fixing to the dashboard: Ensure the surface is clean, dry, oil free, smooth and non-porous. Electrically connect the Bright 6 module as detailed above to illuminate all warning lights. This will aid in alignment, so there's no obscuration of any part of a symbol. Mark-out the area with masking tape, remove the adhesive backing and apply from one end, using a clean lint-free cloth to gently press the fascia panel onto the dashboard surface. The adhesive is pressure sensitive, which means the bond is stronger when pressed harder, but be careful you don't push into the symbol holes and deform the fascia panel.

Rear Mounted Installation:

Figure 2 shows a cross section through the dashboard and Bright6 module, with a rear mounted fascia panel.

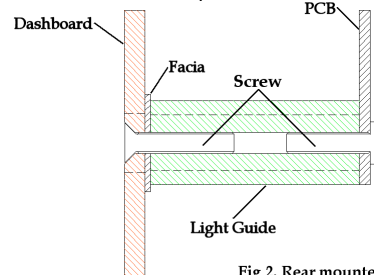


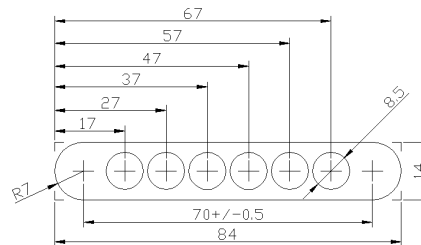
Fig 2. Rear mounted

Note: For a rear mounted fascia panel it will be necessary to pierce the fascia panel to allow the mounting screws to pass through. Make the holes 4mm in diameter to allow for adjustment when fitting. As with the front mounted panel, electrically connect the Bright 6 to prevent obscuration. Removing the adhesive backing and fixing to the light guide is optional, as the clamping action to the dashboard is sufficient to retain the fascia panel.

General Installation Notes:

Ensure the PCB is upper most as the fascia will only be correct one way round.

We recommend you drill 8.5mm diameter holes on a 10mm pitch into your dashboard for each warning light. Alternatively you could form an oval hole for a rear-mounted installation (do not use an oval hole for a front-mounted installation, as the webs between the 8.5mm holes are required to support the fascia panel. See figure 3 for drilling information.



Positional accuracy of mounting holes +/-0.5mm

Fig 3. Drill dimensions

Note: Due to manufacturing tolerances, measure the mounting hole pitch before drilling your dashboard, as the module is located using countersunk screws, which will centralise to the holes drilled. Remember the old adage "Measure twice, cut once".

Electrical Installation:

Warning: Incorrect connection will result in damage to the module.

Wire Colour	Function	To test connect: **	Light Colour
Green	+12V Ignition	+12V	N/A
Black	Chassis Earth	0V	N/A
Green/Red	Left Indicator	+12V	Green
Blue/White	Main Beam	+12V	Blue
Grey	To Neutral Switch	0V	Green
White/Brown	Oil Pressure to switch in block.	0V	Yellow
Black/White	Fluid Low to brake reservoir.	0V	Red
Green/White	Right Indicator	+12V	Green

** Note: for test, the module must be disconnected from the vehicle.

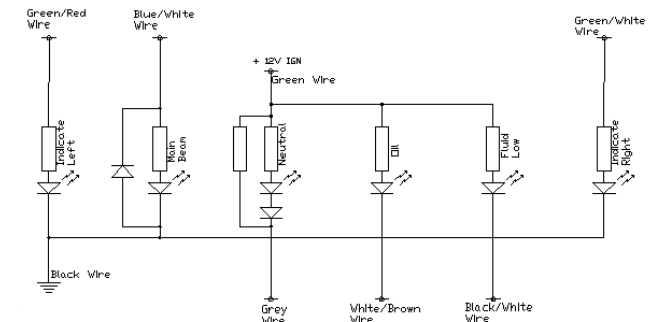


Figure 4. Circuit Diagram

Brightness can be adjusted using optional resistors, which are available separately.

Ensure all electrical feeds are correctly fused and wires are terminated using insulated connectors. The electrical integrity is your responsibility. If you are in any doubt, consult a qualified auto-electrician.

Replacement fascia panels are available separately under the Part number LLDES003g. Please ring for a price. Please note we will only supply replacements upon receipt of a damaged fascia panel, with proof of purchase.

E&OE. ©2004 Lightning Looms Ltd. Issue 1.2