

It seems Ian Merker started something with his article on converting older Morgans to LED lights. ("*Morgan Ear*", August 2020)

In the February 2021 "*Morgan Ear*" Geoff Hollings revealed the saga he experienced fitting LED globes to his 1982 4/4 four-seater.

In March John Norrish advised that he had a similar experience to Geoff. However both were ecstatic about the results.

For those who would like to follow their lead, Geoff has provided the details of the globes and suppliers he used for the conversion.

(Editor Note)

Details of the globes and flasher units Geoff Hollings installed in his 4/4 four-seater.

Stop-Tail

Old: Incandescent, BA15S (bayonet 15mm)
21W, 315 lumens

New: LED Autolamps, BA15S
P/N 1157RM, 12-24V, red
0.43 amps at 12V, 380/125 lumens
\$15.35 ea

Indicator

Old: Incandescent, BA15S (bayonet 15mm)
21W, 315 lumens

New: LED Autolamps, BA15S
P/N 1156AM, 12-24V, orange
0.43 amps at 12V, 380 lumens
\$15.35 ea

Reverse

Old: Incandescent, BA15S (bayonet 15mm)
21W, 315 lumens

New: LED Autolamps, BA15S
P/N 1156WM, 12-24V, white
0.43 amps at 12V, 380 lumens
\$15.35 ea

Headlights

Old: Halogen, Philips 12V 100/90W

New: LED Autolamps
H4 upgrade kit (2 globes)
high/low beam 9-32V 1.6 amps at 13.8V
cool white, 5000 lumens
\$108.78 a pair

Contact for LED Autolamps

Website <https://ledautolamps.com/>, phone:
03 9466 7075, Postage \$10 Globes can be
ordered at Repco or direct on the LED
Autolamps website.

Sidelights (2)

Old: BA9s, 9mm bayonet, 5W, 75 lumens
New: Jaycar, catalogue No ZD0734,
bayonet 12V
fitted with six high brightness
5730SMD type LEDs
\$16.95

[5730 are 40 lumens & 0.5w ea, hence 240
lumens]

Note that the bayonet fitting is the same as
for the rear number plate. So if you prefer
a 100 lumen globe, then use the same as
for the number plate

Rear Number Plate (2)

Old: BA9s, 9mm bayonet, 5W, 75 lumens
(same as sidelights)

LED GLOBE SUPPLIERS

New: BA9S T4W 5050 5 LED 12V
White Interior Dome Light
Side Parker BulbGlobe, 100 lumens

ebay seller RX Autoparts
autoxenonled Sellers ebay store:
<https://www.ebay.com.au/str/RX-Autoparts>

Pkt of 2 for \$5.49 plus post \$3.56,
2 pkts (ie 4 globes) for \$10.42 plus post
\$3.56 from the website

<https://www.ebay.com.au/itm/2pcs-BA9S-T4W-Bayonet-12V-5050-5-LED-White-Interior-Dash-Light-Side-Parker-Bulb/293062337259?hash=item443be062eb:g:kj4AAOSwy2Bd-xnZ>

Pkt of 4 for \$9.89 plus post \$3.56
<https://www.ebay.com.au/itm/4X-AC12V-BA9S-LED-Light-5050-5SMD-Interior-Lamp-Reverse-Bulb-4WD-Globe-T4W-1895/293212051002?hash=item4444ccd63a:g:T8IAAOSwhs1d-xSY>

Instrument lights (6)

Old: E10, 2.2W, 33 lumens

New: E10 LED Bulbs Screw Fit Replaces
Smiths Interior Gauges For Classic cars
12V

*Brand: Ruiandsion, LED type Epistar
5050SMD, colour white 6000K, dia 10mm,
length 24mm, 12V, 1.5W, 100 lm [GH note -
has 5 x 5050LED emitters]*

ebay Seller RX Autoparts
autoxenonled. Sellers ebay store:
<https://www.ebay.com.au/str/rxautoparts>
Pkt of 2 for \$4.39 plus post \$3.56, 2 pkts (ie
4 globes) for \$7.46 plus post \$3.56, 3 pkts
(ie 6 globes) for \$10.53 plus post \$3.56
from the following link:

<https://www.ebay.com.au/itm/2PC-Bright-6000k-E10-SMD-5050-5-LED-BULB-MES-SCREW-REPLACE-TORCH-HEADLAMP-12V->

[DC/303134353663?hash=item46943728ff:g:57AAAOSw1Z5exjfZ](https://www.ebay.com.au/itm/2PC-Bright-6000k-E10-SMD-5050-5-LED-BULB-MES-SCREW-REPLACE-TORCH-HEADLAMP-12V-DC/303134353663?hash=item46943728ff:g:57AAAOSw1Z5exjfZ)

pkt of 10 for \$17.59 from the following link:
<https://www.ebay.com.au/itm/10x-E10-MES-Screw-LED-Xenon-White-Car-Interior-Bulb-Torch-Headlamp-Flashlight12V/303147168408?hash=item4694fab298:g:~V4AAOSwXSVexjfw>

Flasher Units

Hazard

Narva Part No 68429BL

Indicators:

Narva Part No 68251BL

Remember to change the polarity of the
plugs to suit each flasher unit

Note re instrument and rear number plate globes:

The Auto-Xenon-LED ebay store (hence
autoxenonled) has many led globes, so you
will need to look for the exact description
above to find the globes that I used.

I found the seller keeps changing the
website and item descriptions, so you might
have to search through multiple webpages
to find the correct globes.

After trying a number of globes of various
shapes and lumens, I found that the
instruments needed globes that emitted
light in all directions, hence my selection of
globes with 5 emitters.

I preferred the white or bright white, 6000K,
which emit white light, whereas the warm
white 3000K, have a yellow tinge.

LED Globes and Flasher Units



Stop Light

Indicator

Reverse



Rear Number Plate



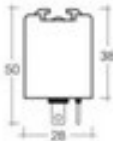
Headlights



Sidelights

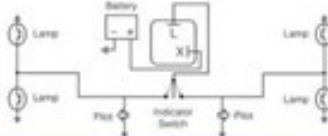


Instrument Lights



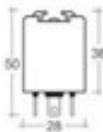
68249BL Blister Pack 12 Volt 2 Pin Electronic L.E.D Flasher

Suitable for use with L.E.D indicator lamps. Operates at ultra low current of 1mA (0.02 watts) or higher currents to a maximum of 2.5 amps per side (30 watts) where a mix of L.E.D and incandescent globes might be used



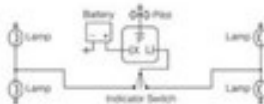
Hazard Lights
Flasher

NB: Use in L.E.D lamp applications as a replacement for P/No. 68212BL with modification to the loom



68251BL Blister Pack 12 Volt 3 Pin L.E.D Electronic Flasher with Pilot

Suitable for L.E.D indicator lamps. Operates at ultra low current of 1mA (0.02 watts) or higher currents to a maximum of 2.5 amps per side (30 watts) where a mix of L.E.D and incandescent globes might be used



Indicator
Lights
Flasher

NB: Use in L.E.D lamp applications as a direct replacement for P/No. 68212BL.