

Light module for HAG locomotives Re 456, item no. 8089

The light module 8089 is intended for HAG locomotives of the Re 456 series.

The circuit board fits exactly in the same place as the original circuit board and has the same size. Therefore, the module can be easily exchanged and fixed with the original screw.

The PCB has three white LEDs and two red LEDs.

Thus, the following light functions are possible:

- A-light (front light)
- Single white light bottom right (Swiss light change)
- Red light bottom left and right

The LEDs are connected via resistors, so the PCB can be wired directly to the decoder outputs. All connections are arranged on large soldering pads on the rear edge for easy access.

Important note:
Mount the light module with the components **facing upwards!**



Top view

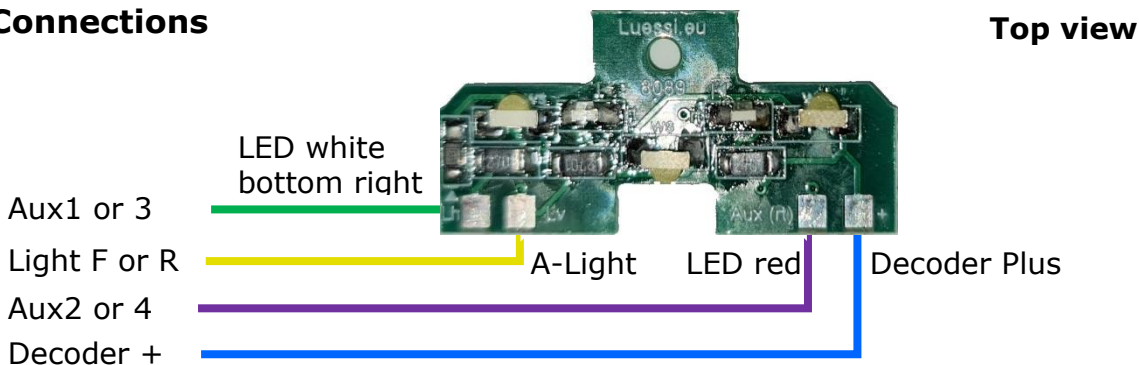
8089 Connections (pads):

- + Decoder Plus
- Lh White LED A light
- Lh Single white LED bottom right
- Aux Red LED bottom

Decoder connections and strand colours (according to NEM standard):

Blue	Decoder Plus	Return wire Functions.
White	F0 forward light front	(Lv, F0v)
Yellow	F0 backward light rear	(Lh, F0h)
Green	Aux1	function key 1
Purple	Aux2	function key 2

Connections



Top view

So use the following decoder outputs:

Light module locomotive front: Dec +, Light front, Aux 1 and Aux 2

Light module loco rear: Dec +, light rear, Aux 3 and Aux 4.

With the appropriate function mapping in the decoder, all the light functions mentioned above are possible.