

e-Aspect LED module aims to safety display the visual notifications provided by the control units in rail systems such as railroads, subways and trams that form an interface between the interlocking and the driver.

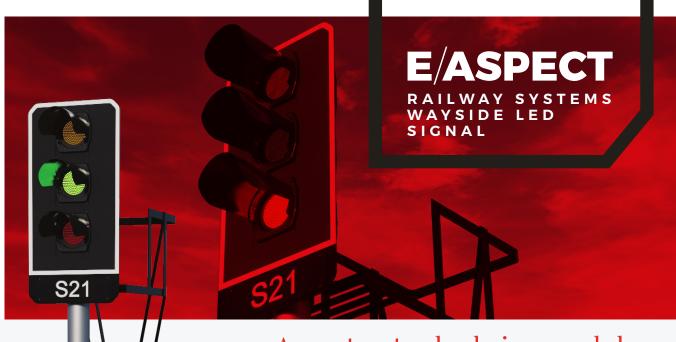
## **Technical Specifications:**

- Control unit that meets safety critical and RAMS requirements
- Constant current within the operating voltage range (same current value for Day and Night mode)
- Day/Night mode with external voltage input or variation of input voltage
- LED matrix for long lasting and high quality light
- Aluminum housing withstands harsh environmental conditions
- 5 different color options (Yellow, Red, Green, Green, Blue, White) and different pin order connector for each color
- Long distance visibility with the use of LEDs with 15° dispersion angle
- Increase the brightness of non-faulty LEDs in case of failure of some of the LEDs (up to 30%)
- Current graph with resistive characteristics for compatibility with conventional signaling systems
- Operating Temperature Range: -40 °C / +70 °C
- Protection Class: IP65
- EMC compliance according to EN-50121-1 and EN-50121-4 standards
- Compliance with environmental requirements according to EN-60068-2-11/27/30/64
- SIL4 safety integrity according to EN-50126, EN-50128 and EN-50129 standards
- MTBF>1.750.000 hour(40°), Life Time>15 year, Availability>%99.999

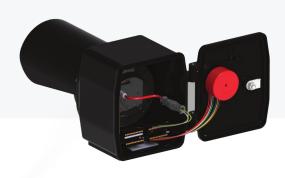


## **Technical Specifications:**

- Automatic switching to Day/Night mode depending on outdoor brightness
- Single housing for 5 different aspects
- Constant current within the operating voltage range (same current value for Day and Night mode)
- Optional 20W or 50W ±10%
- LED matrix for long lasting and high quality light
- Long distance visibility with the use of LEDs with 15° dispersion angle
- Operating Temperature Range: -40 °C / +70 °C
- Housing: Aluminum Etial-171, RAL 7001(Chassis), RAL 9005 (Front visible parts) UV resistant paint, IP65 and
- IK05 Protection
- Front Face: Solid Polycarbonate with UV resistant
- EMC compliance according to EN-50121-1 and EN-50121-4 standards
- Compliance with environmental requirements according to EN-60068-2-11/27/30/64



e-Aspect outer body is a modular solution developed and produced with local resources.



## **Technical Specifications:**

- Aluminium Etial-171\* alloy body
- RAL 9005\* coded UV resistant paint
- IP 66 protection class
- Thanks to its modular structure, it can be used as high or dwarf signals with 2, 3, 4 aspect with the same body unit.
- Body which allows internal transformer usage
- Complete signal solution with prewired LED modules.

\* It can be changed according to customer requirements



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