



EWO R-System

Ewo is most probably best known for airport apron lighting but these areas have many things in common and similar design constraints to sports lighting.

The R-System can be grouped as up to six individual LED modules. The smallest and lowest power is just 23,600 lm and 195W. The high power, six module system is over 200,000 lm, almost 2kW and weighs 49kg (over 100 lbs) without the driver.

Ewo offers 10 choices of optic although only about three or four might be used for sports lighting. Interestingly, they have an asymmetric left and right lens which one could use for corner tower lighting systems. There is also a visor to ensure that no upward light is emitted.

The system is easily upgradeable and it is good to see that the sales literature actually mentions components such as the optics, PCBs, ventilation gaskets, glass lens etc which can be changed. The company will keep spare parts for 10 years and also makes its own driver with a claimed life of over 100,000 hours.

An unusual feature is that the IP67-rated driver is mounted directly over the cooling fins. Ewo claims a maximum ambient operating temperature of 50C so this construction should be OK for most applications.

<https://www.luxreview.com/2018/09/27/lux-recommends-large-sports-lights/>

