

LED - Display system

Sportlicht **RGBS-15**

SPORTLICHT

LED Display systems / Electronic development / Sport IT-Service

This new, full coloured display system combines extraordinary the accomplishments:

- *simple operation and control without comprehensive studio technology,*
- *alphanumeric information and result service on scoreboards of different sizes,*
- *colour graphics and movies with high resolution as well as*
- *A modular, super flat and light construction with low maintenance.*

This display system is usable as a medium for information and advertising for fixed and mobile use in various fields of application.



The system SPORTLICHT RGBS-15 fills technically - and also as price is regarded - a large gap between mono- or three coloured scoreboards and the large and expensive RGB video walls. It is simply installable and useable like an alphanumeric scoreboard. It is particularly suitable for coloured, high resolution graphic and video without extensive controlling technology. Further more, it is mobile and scaleable in a wide range of size.

The basic module RGBS-15 is a 244mm x 351mm large printed circuit board with 384 RGB LED's, arranged as 24 x 16 pixel matrix. Mechanical units of large display systems are frameworks of coated aluminium form profiles with 16 basic modules, arranged as 4 x 4:

Panel dimensions:	0,98m x 1,41m (1,4qm), 8cm depth
Max. power per panel:	800 watts
Average power per panel:	400 watts, 300 watts/qm
Display weight:	40 kg, 30 kg / qm
Resolution:	96 x 64, 6.144 pixel, 18.432 LED-Chips
Intensity:	1.500 cd / qm
Viewing angle:	160 degree - all directions

Only a standard computer with 10/100 MBit network adapter is necessary for high quality graphics and advertising videos in 4.096 colours with 200 Hz. This also applies to the use as a simple multi-sport scoreboard with eight colours in purely static operation.

The display system weighs only 30 kg/m² and is 8 cm deep. This makes the display system attractive for small and mobile displays in sport, industry and advertisement.

The splendid text presentation is based upon:

- *15mm real (not virtual) pixel distance, which permits letters starting from 10 cm in size and*
- *SMD light-emitting diodes with red, green and blue chip in a single LED.*

This provides an ideal colour blending already at a small viewing distance and a very large viewing angle of 160 degrees.

Especially small display systems are used in many kinds of sport, in connection with the respective software application. The display system already starts from a size of approx. 1,5 m². For example the RGBS-15 system is used as mat scoreboard in fighting sport, as multi-sport scoreboard in ball games or as display at apparatus in gymnastics. There they often replace special 7-segment and alphanumeric scoreboards.



Basic module and framework segments (panels) are compatible in size and adaptable to the three colour display system Sportlicht RG96. Therefore both systems can be freely combined to new systems, matching all individual requirements.

SPORTLICHT GmbH Tel.: +49 (0) 30 - 56 70 22 37
 Summter Str. 81, 12623 Berlin Fax: +49 (0) 30 - 56 70 22 38
 www.sportlicht.com E-Mail: info@sportlicht.com