RGB-LED 448 x 128 PIXELS

The RGB LED indicator with a resolution of 448 x 128 pixels is a fully graphic LED display that is particularly well suited for use as a track indicator. The use of high-quality LEDs guarantees excellent readability, even in direct sunlight.

MAXIMUM FLEXIBILITY

The double-sided RGB LED display 1,120 x 320 mm offers high flexibility, maximum safety and energy efficiency. The display with a resolution of 448 x 128 pixels shows text and graphics in full colour in RGB.

The device is equipped with various sensors to control brightness, humidity and temperature in order to prevent damage and destruction.

HIGHLIGHTS

» double-sided for outdoor use

» modular design – easy maintenance and good spare parts availability

» integrated sensor technology for monitoring temperature, brightness and fault detection

» anti-reflective laminated safety glass with highly effective IR and UV blocking filter

» CE certificate, TSI compliance

TECHNICAL DATA

GENERAL DESCRIPTION

Product designation	LED 448 x 128 pixels, double-sided display
Area of application	outdoor and indoor, also with direct sunlight

HOUSING

Front glass	anti-reflective laminated safety glass with thickness of approx. 7 mm, with highly effective IR and UV blocking filter
Housing material	Aluminium
Surface	Base colour: deep black RAL9011
Tilting angles	up to 20° tiltable
Fastening	4 x M12 threaded bolds

TFT PANEL

Display area (LED display)	Screen size (H x W) [mm]:	1,120 x 320
	Display resolution:	448 x 128 Pixel
	Display resolution (module):	64 x 64 Pixel
	Pixel pitch:	2.5 mm (vertical and horizontal)
	Display colours:	RGB
Viewing angle	typical 178° in horizontal and vertical direction	
Initial brightness value [cd/m²]	max. 4,500, typical 3,500	

DIMENSION AND WEIGHT

Dimension (W x H x D) [mm]	1,140 x 342 x 281/210
Weight [kg]	approx. 75

POWER SUPPLY

Power supply	230 V / 50 Hz
Typical power consumption, operation	approx. 170 W, at typical brightness (3,500 cd/m²) excl. heating and cooling elements

CLIMATIC AND ENVIRONMENTAL CONDITIONS

Temperature range, operation	-40° C to +50° C
Temperature range, storage	-40° C to +60° C
Air conditioning	powerful heat exchanger for cooling the interior heating foil for heating the interior
Service life of the entire device	approx. 10 years

CONTROL UNIT AND INTERFACES

Computer board	DSA
Standard interfaces	DisplayPort, USB, Gigabit Ethernet / LAN / RJ45, etc.

SENSORS AND MONITORING

Sensors	Monitoring of device temperature inside Brightness sensor, glass breakage sensor
Fallback display	Brightness control according to ambient light Display of a definable fallback page in case of interruption of the data connection

CERTIFICATIONS

Protection class/ electrical protection class	Monitor part IP 65 / Protection class 2
Approvals	CE (EMC and electrical safety)