

RAINBOW - DESTINATION DISPLAY

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FEATURES

- SUPPORT OF VARIOUS DIMENSIONS, RESOLUTIONS AND PITCH SIZES.
- SUITED FOR INTERNAL AND EXTERNAL SIGNS
- VERY LONG LIFETIME
- DYNAMIC REAL-TIME INDICATION OF TRAVEL INFORMATION

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Luminator's LED Displays offer high contrast solutions with a modular design approach to fulfil all kind of customer needs (dimensions, resolution, pitch sizes).

The LED displays offer various scroll options within one display as well as animations, picture presentation or dimming options.

The powerful design offers enough resources to handle different content and the speed to serve also large displays in the right manner.

The design is supporting long lifetime of the product to assure low maintenance and overall costs.



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TECHNICAL DATA

LED Display Characteristics	
Supported Colors	RGB
Pitch sizes	Down to 2.5mm
Application specific options	Image presentation Scroll options for presentation of information dedicated for each LED module Multi-zone support for each LED module Dimming
Vertical size	Up to 64 LEDs (3mm pitch size)
Electrical	
EMC	Compliant to EN50155:2017 - EN50121-3-2:2016
Input Voltage	Nominal Voltages: EN50155 :2017 - 110V Other voltages available in option
Insulation and voltage withstand	Compliant to EN50155:2017: Voltage withstand 1000VAC or 1500VDC Insulation: >20MΩ at 500VDC
Reverse polarity protection	Yes
Voltage interruptions Class	EN50155:2017 – Class S2
Supply changeover class	EN50155:2017 – Class C1
Inrush current	Limited to 5x the nominal current
Environmental	
Operating Temperature	Class OT4 as per EN50155 :2017, equivalent to Class TX as per 50125-1 :2014 inside a vehicle compartment: -40°C to +70°C
Storage temperature	-40°C to +85°C.
Rapid variation temperature class	EN50155:2017 Class H2
Shock and vibration	Compliant to EN 61373 performance for Category 1 body mounted equipment. Class B. (complies to EN50155:2017)
Fire behavior	Compliant to EN45545-2 HL2 Compliant to NFPA 130
Mechanical	
Ingress protection	IP54
Dimensions	Custom housing as small as possible
Interfaces	
Ethernet	2 M12 D-coded connectors (socket) for Ethernet 10/100Mbps: Connector 1 and 2: Integrated IP switch for two external ports with access to one internal Ethernet interface. Ethernet switch with bypass relay for Ethernet daisy chain support.
Power input	3-pin male Phoenix Combicon
ID inputs	One connector for ID inputs