



LB-100

LED Balls



Description

The LB-100 is a pixel product designed to generate impressive effects for outdoor or indoor video and light curtains. It is fully prepared for pixel mapping and media control. These semi-transparent IP65-rated LED balls can be viewed from any angle and can, therefore, be used to create alluring 3D spatial effects. This makes them suitable for a wide range of applications, including touring, TV scenography, theme parks, exhibitions, video art, clubs, shopping malls, or just about any fixed or temporary installation.

Features and benefits

- ✓ IP65-rated RGB pixel LED light source
- ✓ Full 360° viewing angle
- ✓ DMX control through TLD-612A / ILD
- ✓ Practically maintenance-free
- ✓ 7 LED balls per 0.85 m string
- ✓ Maximum length of 6.8 meters (56 balls) per output
- ✓ 120 mm pixel pitch
- ✓ Flexible cable between spheres

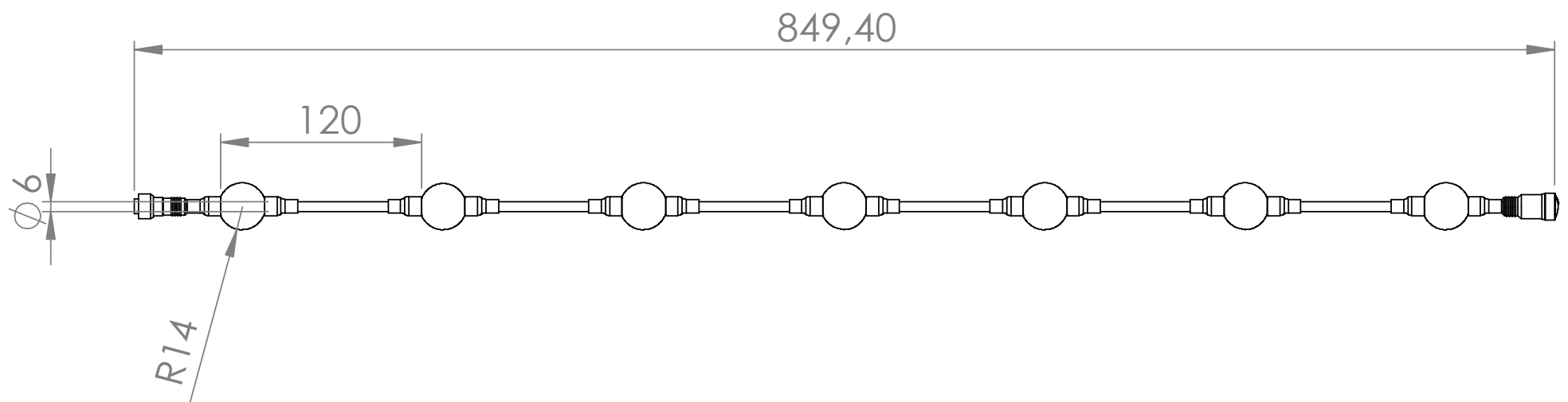
Certifications & classifications

IP65

RoHS

CE





Specification

Optical Data	LED expected lifetime	50,000 hours
	Lightsource	7 x 2 RGB LEDs
	Pixel Pitch	120 mm
Photometric	Efficacy	13 lm/W
	Light output all LEDs on	77 lm
Physical	IP class	IP65
	Lens material	Silicone rubber encasement
	Material	Silicone rubber
	Net dimensions	820 x 28 mm
	Net dimensions inches	32.3 x 1.1 inches
	Net weight	0.141 kg (0.3 lbs)
Features	Dimming	Electronic
	Other	Can be extended to form a string of maximum up to 6.8 meters
	View angle	360°
Electrical	DC power, nominal	12 VDC
	Typical power consumption	7.4 W
Programming and Control	DMX channels	21 channels pr. string of 7 pixels
	Drivers	TLD-612 ILD-612 A ILD
	Protocol	USITT DMX512A
Connections	DMX data in/out	Female locking 4-pin RS-765 / Male locking 4-pin RS-765
Installation	Orientation	Any
	Rigging possibilities	Mounting by 4-pin RS-765 connector
Thermal	Cooling	Passive
	Humidity (max.)	98 %
	Temperature range, Operating	-40°C to 50°C

Temperature range, Start-up	-20°C to 50°C
Temperature range, Storage	-40°C to 80°C

Included items	Included items	LB-100 LED Ball, 0.85mtr. (7 pixels)
----------------	----------------	--------------------------------------

Conforms To	CE - 2014/30/EU: EMC Directive	EN 61547 EN 55022 EN 61000-6-3 EN 55024
	RoHS2 Directive	2011/65/EU

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Qty	Product name	Item number
☐	LB-100 LED Ball, 0,85m.	80080001
☐		
	Accessories	Item number
☐	TLD-612A	80070221
☐		



SGM Light A/S

Headquarter [+45 70 20 74 00](tel:+4570207400)

Mail info@sgmlight.com

Website sgmlight.com