

# PRODUCT SPECIFICATIONS

## LumiNode I

## 1. APPLICATIONS

### The LumiNode 1

A must have tool and a perfect companion unit for every lighting professional.

With its unique USB to Ethernet feature, LumiNode 1 functions as an Ethernet dongle enabling you to have a fully functional ethernet port when connected to your laptop/PC. LumiNode 1 works with any network-based lighting control software without the need to install additional drivers. LumiNode 1 can also be used as a one-port PoE powered, stand-alone node to serve either one bi-directional, fully isolated DMX port or 2 network process engines to route protocols around, test, parameterize and take over light kits even with RDM, without consoles or other complex systems. All relevant industry standard protocols such as Art-Net, sACN, KiNET, RTTRpl (Blacktrax) are supported and can be processed and converted in 2 onboard process engines supporting HTP, LTP, Crossfade, Backup, Switch and Custom merging modes with soft patch functionality.

With its rugged construction, 1Gbit EtherCon port, PoE power and small "pocket sized" form factor, it is designed to accompany technicians in every situation thinkable.

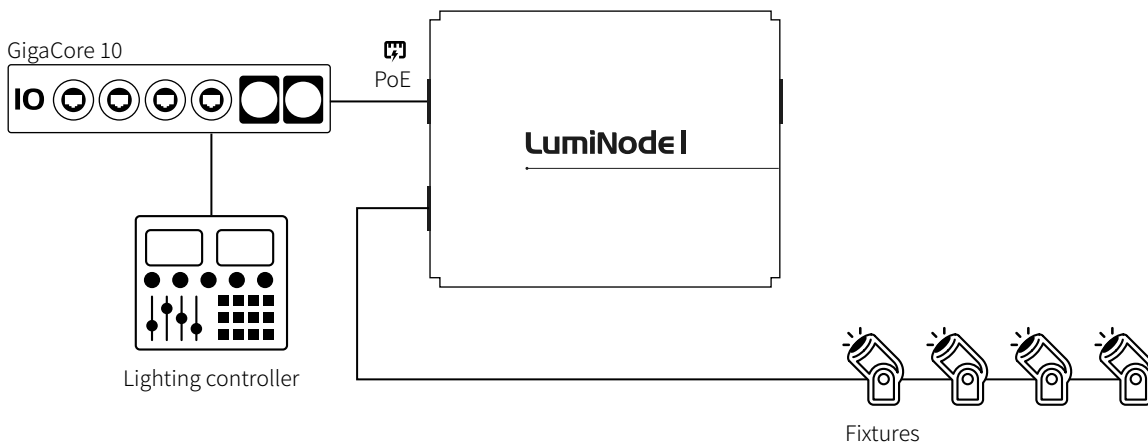
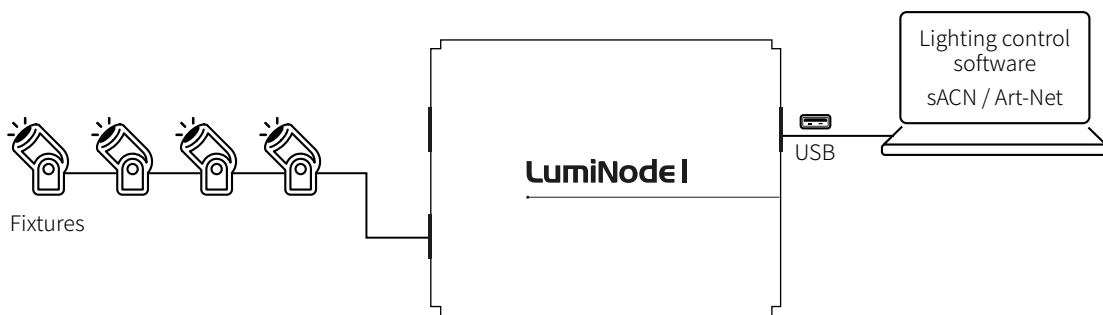
### Applications:

- Touring and live events
- Theaters
- Fixture preparation, testing
- Driverless USB to Ethernet adapter
- Lighting network protocol converter (Artnet, sACN, RTTRpl, Kinet)
- ...

### ORDERING INFORMATION

Product name:	Part numbers:
<b>LumiNode 1</b>	LU 01 00069

## 2. APPLICATION DIAGRAM

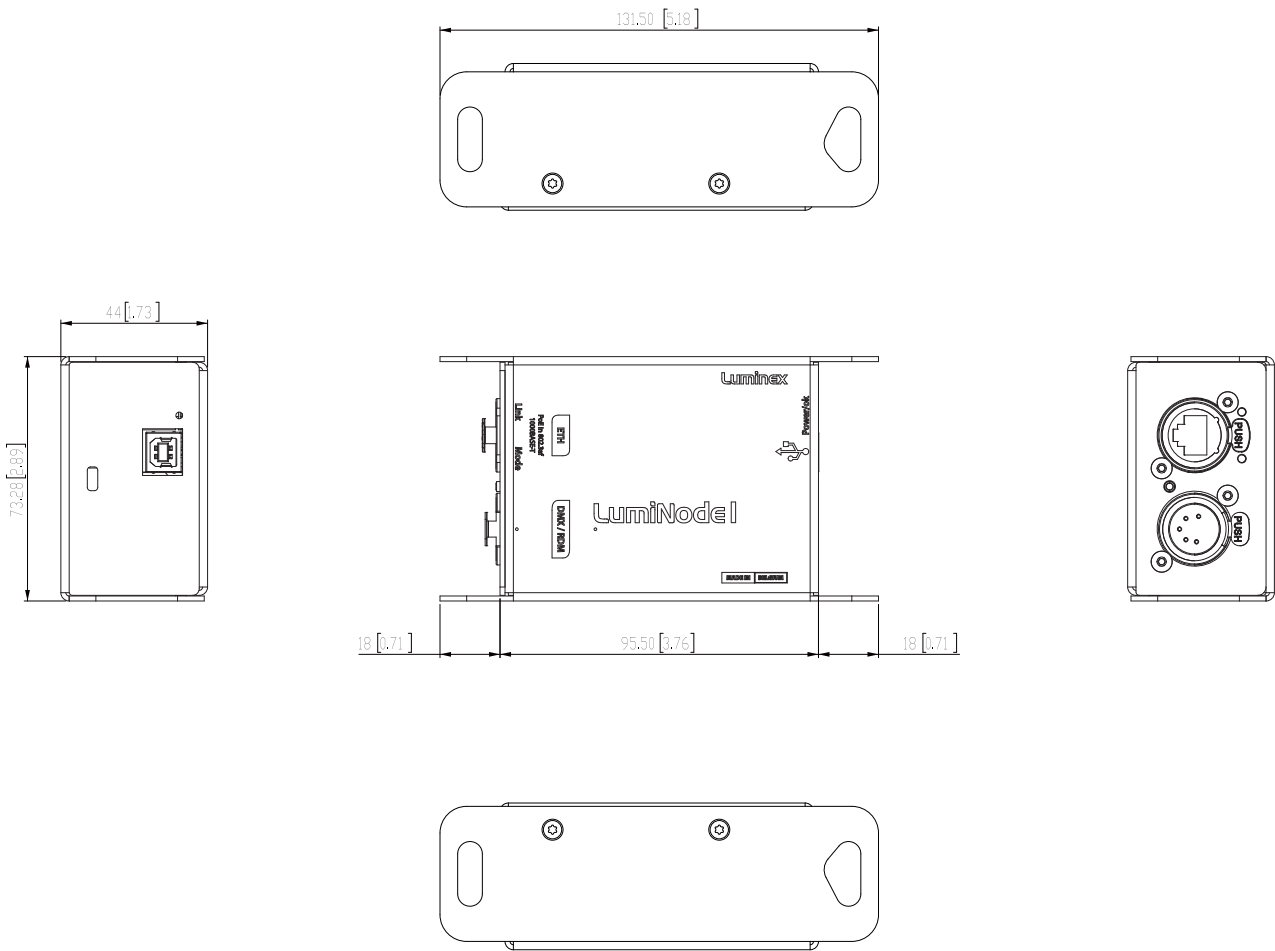


### 3. TECHNICAL SPECIFICATIONS

<b>CONNECTIVITY</b>	
DMX/RDM	1x shielded & gold plated Neutrik 5-pin XLR (female)
Network	1x shielded Neutrik Ethercon connector 1x USB to Ethernet (dongle function)"
Contact Closure	N/A
Power	USB Ethernet (PoE 802.3af class 0)
<b>DMX FEATURES</b>	
Supported protocols	DMX512 (1986 & 1990) DMX512-A RDM ANSI E1.20-2010
DMX port direction	Input or output (configurable)
DMX port isolation	Optical and galvanic isolation per port
DMX timing	Framerate: 10-40fps Break: 176-352µs
<b>ETHERNET FEATURES</b>	
Supported protocols	Art-Net™ (1-4) sACN ANSI E1.31-2018 RTTrPL (BlackTraX) KiNET v1, v2
Port speed	10/100/1000Mbps
Port sensing	Auto-negotiation MDI / MDIX
Split management interface	Yes
Groups (VLAN) support	No
<b>ADDITIONAL FEATURES</b>	
Processing engine	2
Merging	Yes (HTP, LTP, X-Fade, Backup, Switch, Custom)
Softpatch	Yes
Master/Limit	Yes
Trigger system	Yes
Reroute function	Yes
Profile manager	Yes
Snapshot	Yes
Monitoring Software	LumiNet Monitor, Araneo
DMX redundancy	Yes
<b>STATUS REPORTING</b>	
Display & jog	No
Ethernet port connection	link/activity LED Group RGB LED
DMX port	DMX/RDM RGB LED
<b>POWER / PoE</b>	
Power input	PoE-802.3af (Class 0)
Power consumption	Max 6W
Power redundancy	Yes

MANAGEMENT	
Configuration	Built in Web server Documented Web API
ENVIRONMENTAL	
Operating temperature	0 to +50°C
Storage temperature	-10 to +70°C
Humidity(non condensing)	5 to 95% RH
MECHANICAL	
Enclosure	Metal enclosure
Dimensions (W x D x H)	131,5 x 73,3 x 44 mm
Weight	0,42 kg
Packaging	200 x 140 x 60mm
APPROVALS	
Electromagnetic emissions and immunity	EN55032 class A EN55035 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11 FCC Part 15 CFR 47 class A ICES-003 Issue 6
Safety approvals	IEC 62368-1 EN 62368-1 UL 62368-1 CAN/CSA-C22.2 No. 62368-1 CE
Certificates	cSGSus Mark CE CB certificate
GREEN	
	RoHS REACH

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