Light is OSRAM

OSRAM

Our Brand

e:cue

Lighting Control Engine 3

e:cue Server

e:cue Lighting Engines are servers developed for the control of large and complex projects. e:cue's SYMPHOLIGHT and the Lighting Application Suite (LAS) are preinstalled on all e:cue servers. As a central control unit, the versatile servers guarantee uninterrupted operation, since all lights and controllers are controlled within a project. e:cue servers are scalable to cover all project requirements.

e:cue Lighting Control Engine 3

The Lighting Control Engine 3 (LCE3) serves as a high-performance server for controlling large lighting projects, with pre-installed e:cue SYMPHOLIGHT and Lighting Application Suite (LAS). As a central control unit, this versatile light control server orchestrates all devices and lights within a project. The LCE3 has integrated digital dry contacts, two single-pole relay outputs and support for a wide range of Ethernet-based protocols. Shows and light scenes can be controlled with the internal web server via mobile devices, web browsers or via cloud applications. A built-in status display on the front shows system and software messages. The LCE3 is the ultimate server solution for any demanding lighting project.

Highlights

- Software licenses for e:cue's SYMPHOLIGHT and Lighting Application Suite, pre-installed
- High quality industrial components for reliable uninterrupted and efficient 24/7 operation
- 2 x SSD hard disk drive in RAID 1 operation for increased system stability
- Integrated dry contact inputs (6x) and relay outputs (2x)
- LC display and cursor keys for status messages
- Easily mountable in 19 inch racks, space saving (3U)

Delivery scope

	Identcode
• e:cue Lighting Control Engine 3	AM368100035

including Microsoft® Windows 10™ IoT Enterprise and software licenses for e:cue's SYMPHOLIGHT and Lighting Application Suite

- Printed LCE3 Information for Use (English / German), safety instructions
- Rack mounting rails, including screws
- mini DisplayPort to DisplayPort adapter
- 3 x IEC-C13 power cord (EU, US, and UK versions)
- Dry contact plug
- 2 x relay interface plug

Product	Product number
Lighting Control Engine 3	AM368100035
Dimensions (W x H x D)	483 x 133 x 405 mm/ 19.02 x 5.24 x 15.04 in (incl. mounting brackets)
Weight	12.3 kg / 27.12 lb (incl. mounting brackets)
Power supply input	100 ... 240 V AC, 50/60 Hz
Power consumption	110 W typically (incl. optional video capture card), efficiency up to 92.5%
Operating temperature	0 ... 40 °C / 32 ... 104 °F
Storage temperature	-10 ... 70 °C / 14 ... 158 °F
Operating / storage humidity	0 … 80% RH, non-condensing
Protection class	IP20
Housing	Steel, front panel powder coated
Mounting	in 19-inch rack with rails

Interface specifications

USB	2 x USB 3.0 (front) 2 x USB 3.1 Gen 2 (rear) 2 x USB 3.1 Gen 1 (rear) 4 x USB 2.0 (rear)
Digital dry contacts	6 x inputs, V_{in} = 5 .... 24 V DC 1 kV galvanically isolated off: $V_{in} < 1$ V DC, on: $V_{in} > 4$ V DC Input current I_{in} (typical): $V_{in} = 5$ V / $I_{in} = 0.8$ mA $V_{in} = 12$ V / $I_{in} = 2.3$ mA $V_{in} = 24$ V / $I_{in} = 4.8$ mA 12 V DC output, max. 70 mA, overload protected

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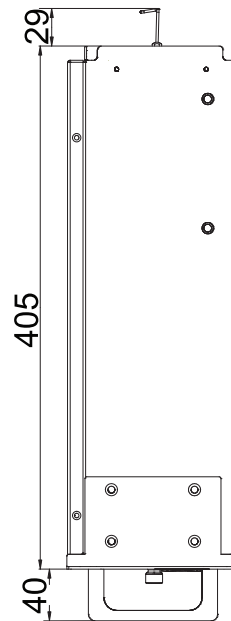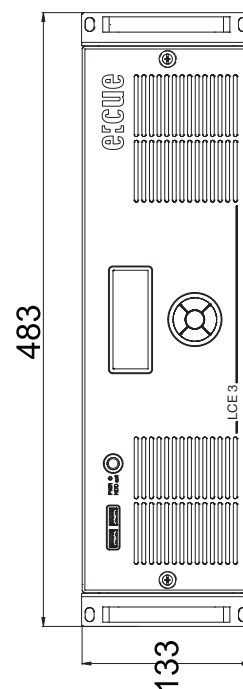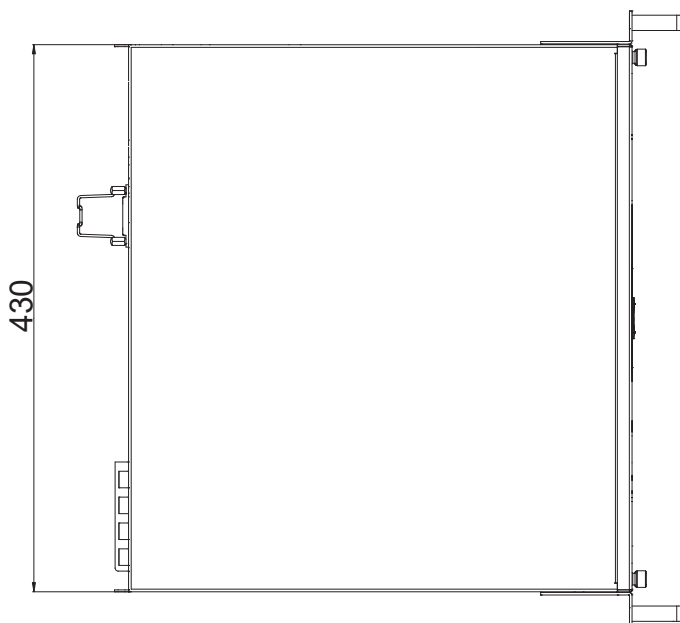# Lighting Control Engine 3

Relay outputs	2 x SPDT Nominal voltage: 250 V AC Continuous current: 12 A (CE, CSA), 10 A (UL, provided plug's limitation) Inrush current: 50 A (max. 20 ms) Isolation between open contacts (1 kV)
User interfaces	LC Display, Keypad
Ethernet-Port	2 x e:net 10/100/1000 Mbps, RJ45
Serial interfaces	1 x RS-232 Sub-D
Keyboard / mouse	2 x PS/2
Graphics	1 x DVI-D, 2 x DisplayPort, 4 x mini DisplayPort
Audio	1 x microphone 1 x audio/line output 1 x audio/line input
Data storage	2 x removable SSD HDD (RAID 1 config)
Media drives	CD/DVD via USB port

CE

FC

UK CA

c ETL us
LISTED
Intertek
40006376

Conforms to ANSI/UL Std. 62368-1
Certified to CAN/CSA Std. C22.2
NO. 62368-1

Dimensions

All measures in mm

29

405

40

430

483

LCE 3

133

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Lighting Control Engine 3

Connectivity

Rear side

| Dry Contacts Input | Relay Output1 | Relay Output2 | Display Port (4x) |

AC Mains
(100..240V AC)

Back Panel,
enlarged:

USB 2.0

DP
(Displayport)

DVI-D

USB 3.1
Gen 2

USB 3.1
Gen 1

Subject to modification without prior notice. Typographical and other errors do not justify any claim for damages. All dimensions should be verified using an actual part.

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