

Octa Light Player™

8-channel Multispectral Luminaire (2' x 2' Troffer*)



Product Description

The Octa Light Player is the latest generation of Architectural LED troffers from Telelumen. It offers 8-channel, full-spectrum, dynamic lighting of 2,000 lumens across the entire color temperature range of 1200K to 9000K with very high color rendering and 2,700 lumens between 2700K to 6500K. In addition to standard white light tuning, Octa spectral light output can cover a majority of the CIE color space and saturate or desaturate portions of the spectrum while keeping the chromaticity constant. This kind of flexibility is critical for circadian lighting, photography, sensors, plants, color management, and many more applications.

Telelumen Spectral Match Technology

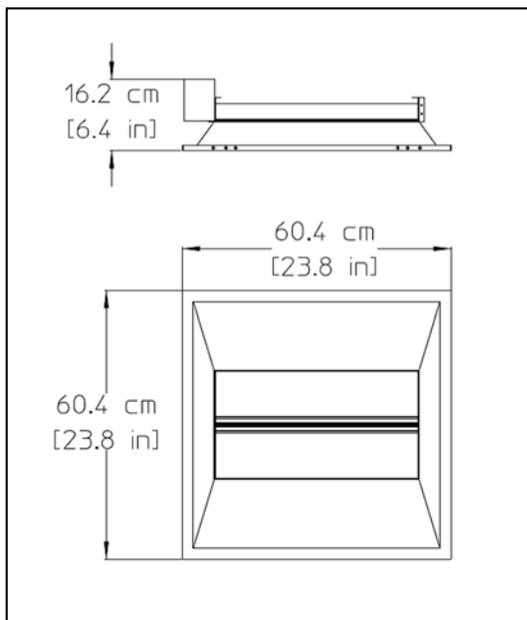
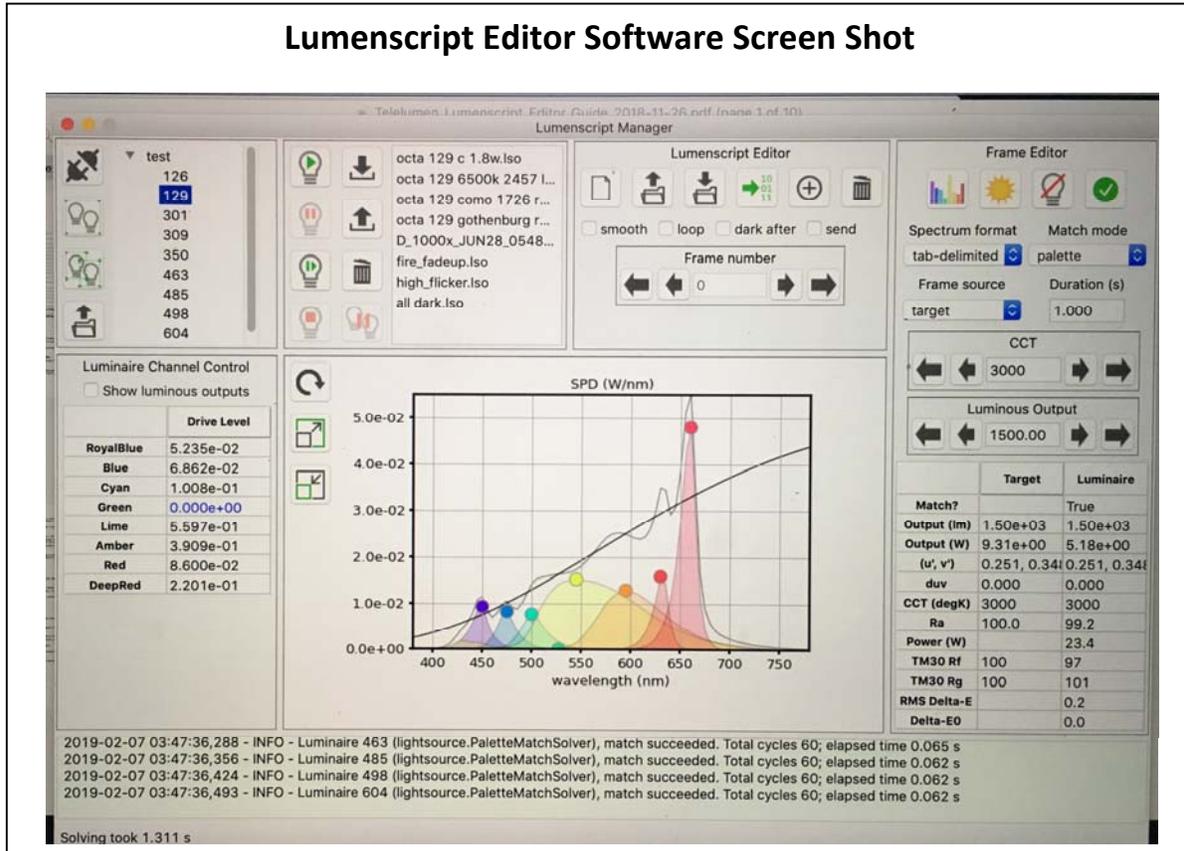
The Octa troffer is meant to be driven by Telelumen Lumenscript Editor software for maximum capability. Reproducing natural sources such as daylight or fire light with spectral power distribution (SPD) variations over time is easy. Together the software and Octa can generate most SPDs within the visible range to extract the full potential of programmed illumination changing with time. Far from simply defining the source by its CCT or chromaticity, this software allows custom SPD manipulation and illumination matching for playback on a luminaire. Sophisticated match algorithms convert SPDs into LED channel drive vectors without complex input from the user.

Telelumen Lumenscripts (LightTunes)

Illumination programs called Lumenscripts and LightTunes are available in studio-produced quality from Telelumen or can be created with available software tools. Illumination content in Lumenscripts can be recorded by a spectrometer, and then edited by a developer, synthesized from scratch, or in combination. A Lumenscript to Octa is what an MP3 audio file is to a music player. The light player can update the spectrum at 1 kHz if needed. These scripts can be stored locally or streamed for playback on the luminaire. Octas can operate alone or in groups and with custom content played by each luminaire. Octa is controlled over Ethernet.

For more information visit telelumen.com or send inquiries to info@telelumen.com.

Lumenscript Editor Software Screen Shot



Specifications

- Color channels: 8 (415nm - 660nm)
other wavelength ranges available
- CCT range: 1,250K to >50,000K
- Lumen output: >2,000, >90 R_f(TM30)
- PWM dimming: 1000:1
- PWM frequency: 32 kHz
- Data and Control: Ethernet
- Network protocol: TCP/IP, UDP, DHCP
- Input Voltage: 100-240 VAC
(277 VAC for NA only)
0.5A max, 50/60Hz
- Weight: 5 kg (11 lbs)
- Warranty: 1 year
- Mounting: Recessed 2x2 ceiling grid

* Octa built on CREE CR-22 frame

Made in the USA