COLOURMAX LED Twin Tubes

23W LED Twin Tube Lamps with High CRI for Broadcast and Cinema Color Quality

High CRI Dimmable c UL us LISTED

The USHIO ColourMax series of LED Twin Tubes (LTT) are direct drop-in upgrades for broadcast and cinema production where color quality remains a critical element to the process of creating content. Other applications where accurate color is mission critical includes design and art studios, print and paint shops.

The 96 CRI ColourMax LTT tubes improve upon color rendering and brightness over the leading industry standard fluorescent tubes for the same cost of replacing your old fluorescent tubes. ColourMax LTT tubes from USHIO instantly start up to full brightness requiring no warm-up time like fluorescent lamps. Smooth dimming can be done down to 10% on existing dimmable ballast systems.

Upgrade your existing fluorescent fixtures today with our ColourMax LTT tubes without a heavy investment in new fixtures.

FEATURES & BENEFITS

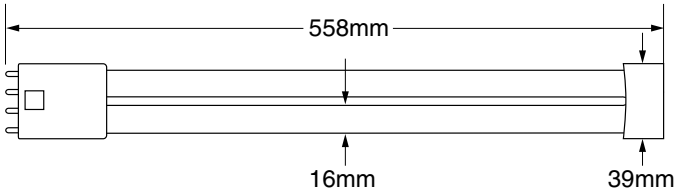
- Up to 75% Higher Foot Candles than the Industry Benchmark Fluorescent Tubes*
- 57% Energy Savings (23W Replaces 40W)
- 96 CRI = Better Color Rendering than the Industry Benchmark Fluorescent Tubes
- Plug-and-Play on Dimmable Fluorescent Broadcast Fixtures Down to 10%
- Instant-Start with No Warm-Up Time Like Fluorescent Tubes
- Economical Upgrade to LED
- Tungsten and Daylight Models Available
- UL Certified
- Glass Tube Construction = No Yellowing or Aging Like Plastic
- Direct Replacement for 40W Twin Tube Fluorescent
- 2G11 Base

* Fluorescent and LED lamps may have the same lumens (light intensity of the lamp in a sphere). The significant difference between the two lamps will be in foot-candles (light intensity at the subject). Fluorescent tubes distribute light in 360 degrees causing inefficiency in pushing light forward from the fixture (light loss in reflector). LED tubes can generate unidirectional forward facing distribution, thus producing more usable foot-candles.

APPLICATIONS

- Broadcast Studios
- Cinema Production
- Video Production
- Print Shops
- Art Studios
- Color Booths
- Paint Shops

SPECIFICATIONS



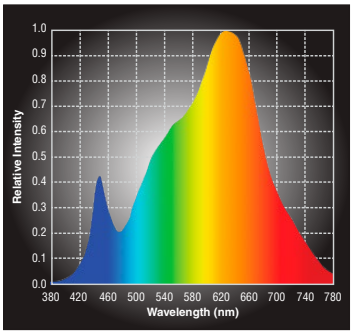
2G11 Base

Sold in Case Quantity Only (50/case)

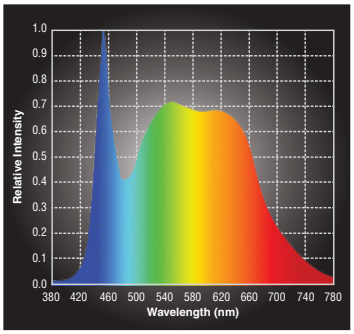
Watts (W)	Ordering Code	Lamp Description	Volts (V)	Input Voltage (V)	Frequency (Hz)	Color Temp (K)	Lumens (lm)	CRI	Avg Life (h)	Ambient Temperaturev Min	Ambient Temperaturev Max
23	3000694	COLOURMAX LTT 23W / 3200	86	120-277	50/60	3200	2600	96	50,000	-20ºC/-4ºF	45ºC/113ºF
23	3000695	COLOURMAX LTT 23W / 5600	86	120-277	50/60	5600	2800	96	50,000	-20ºC/-4ºF	45ºC/113ºF

Spectral Distribution Charts

3200K

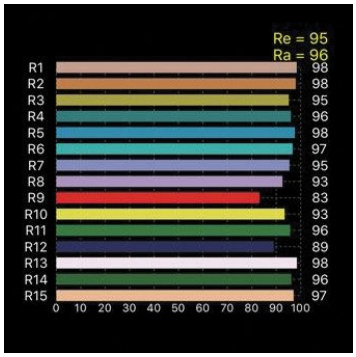


5600K

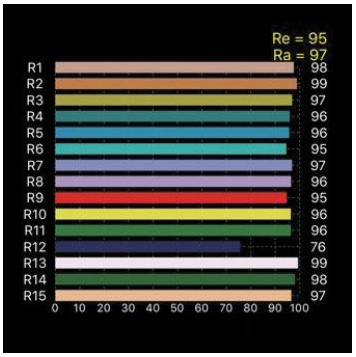


R15 Histograms

3200K



5600K



CAUTION:

These lamps are direct replacements for 54W Twin Tube fluorescent lamps only. Use on approved dimmable ballast. Operates on program-start electronic ballasts only. This lamp is not compatible with all ballasts. Before replacing existing fluorescent lamps, check compatibility of LED lamps and luminaire ballast. Please refer to www.ushio.com for a complete list of compatible ballasts. Risk of electronic shock: Use only in dry locations. Not intended for use with emergency exits or for emergency lighting. Any modifications to the product will void the warranty. Lamps must be operated with an ambient fixture temperature of -30ºC/-22ºF to 56ºC/133ºF to ensure UL compliance. Lamp operating temperature must be a minimum of -20ºC/-4ºF to 45ºC/113ºF. Risk of fire: If the lamp or luminaire exhibits undesireable operation (buzzing, flickering, etc.) immediately turn off power, remove lamp from luminaire and contact manufacturer. Do not install this lamp in a preheat luminaire.

USHIO

5440 Cerritos Avenue, Cypress, CA 90630 | Toll-free: (800) 838.7446 | customerservice@ushio.com | www.ushio.com