

Antibacterial Tube Light

Features:

“A dual function light fixture” that provides both white light and high doses of energy geared for inactivation of various prevalent bacteria. This is made possible by “Nichia's 405nm LED” whose wavelength is between UV and visible light. The effects of sterilization and suppression of bacterial growth can be obtained **without any negative impact on human body**. Its bacterial effect is not immediate, unlike UV lighting, however it can be safely used in normal light settings as it gradually inhibits the growth of bacteria over time.

Specification:

Model: 16D-LT-AntiB-24V-6W-xxxxK-L
(x=Color) (L=Lens Cover)

Size: 16mm(Dia)(0.63”) x 15mm(H)(0.59”)
x Max length 1226mm(L)(48.27”)

LED Strip: 37.5mm(1.48”) Increments

LED Quantity: 3 per 37.5mm(1.48”)

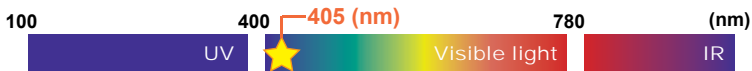
Power Consumption: 6W per 300mmL(11.81”)

Output Lumen: Opaque lens: 315lm per 300mmL
Clear lens: 390lm per 300mmL

Input Voltage: 24VDC

LED Types: Nichia “dual function LED for general illumination and disinfection”

Wave length: 405nm peak



CRI: 80

Lamp Life: 50,000 Average life hours

Available Color (K): 3500, 4000, 5000

Lens: Diffuser, Clear

Dimmable: Yes (0-10V)

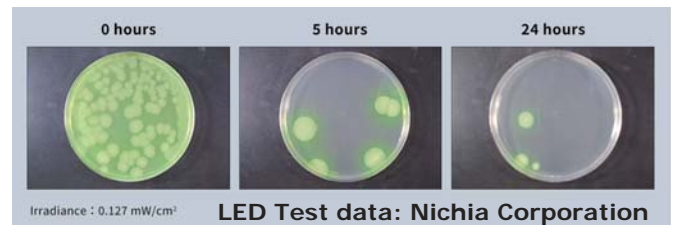
Cooling: Heat sink

Suggested Room Temperature: 0° ~ 40°C

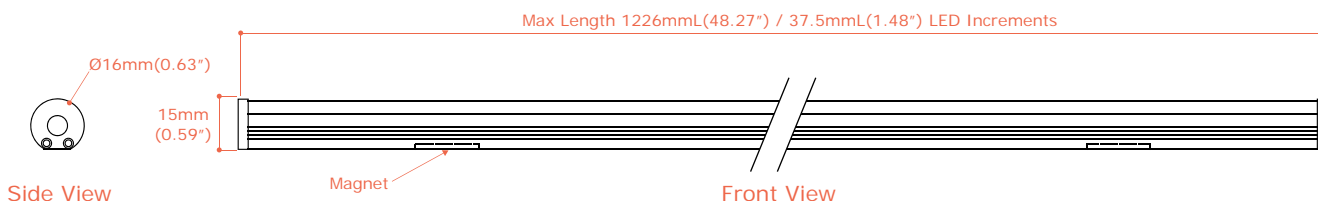
Suggested Room Humidity: 20~80%

Mounting Method: Magnet

Common Applications: Hospitality, Residential Kitchen, Commercial



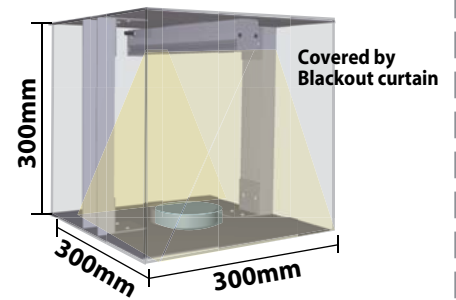
Dimension:



The Fixture Test results:

Our antibacterial tube light has been tested at the Japan Food Research Laboratories (JFRL) on human coronavirus that causes the common cold as well as on various bacteria such as Escherichia coli and Staphylococcus aureus - common causes of food poisoning.

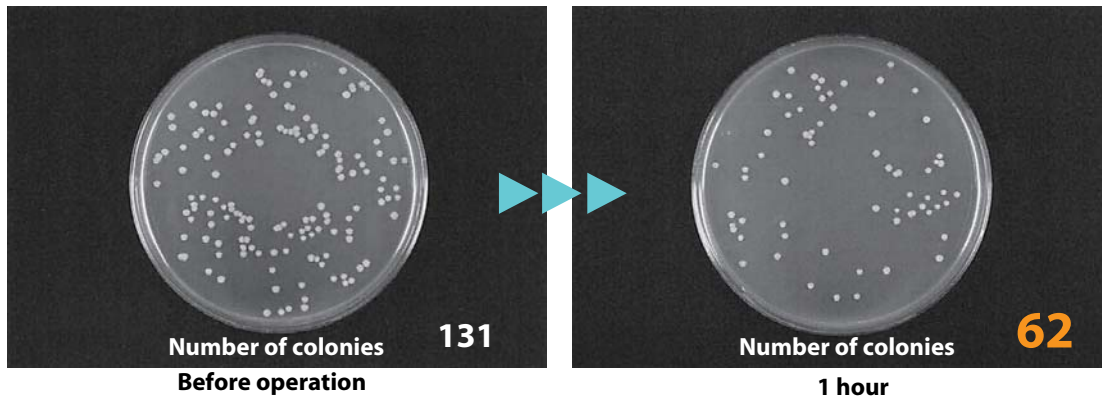
In test results, 57% of bacteria disappeared after just one hour and 99% of human coronavirus disappeared within 5 hours. In 24 hours most bacteria were gone according to LED test results obtained by Nichia.



Test equipment image

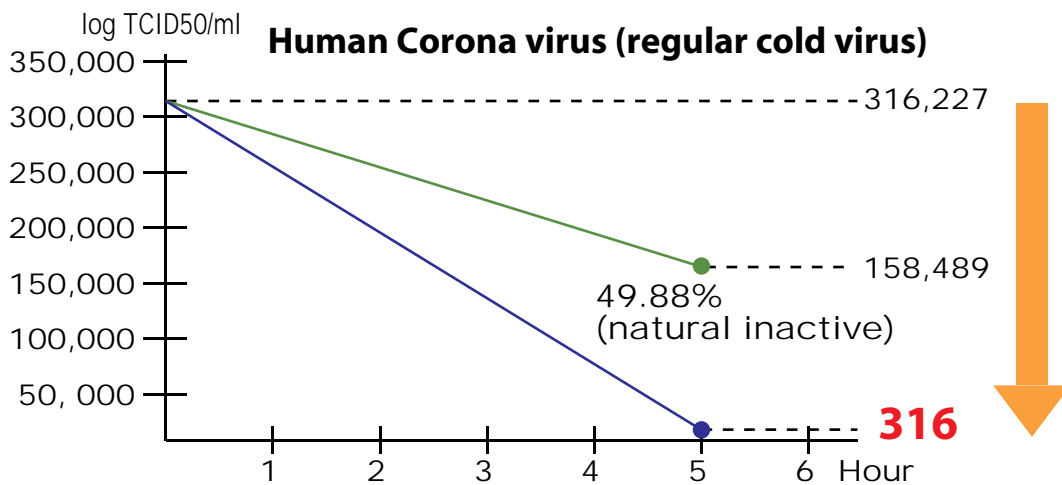
Bacteria test (1 hour):

Staphylococcus aureus



57% inactive in 1 hour

Virus test (5 hours):



99.9999 % (inactive in 5 hours)