

Data Sheet

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U-LHLEDC100



1 BASIC INFORMATION

1.1 Article Information

Article Code	N5685300
Name	U-LHLEDC100
Long Description	True color LED light source for BX53F2 microscope frames. LED features unique color rendering index (>96) in transmission observations similar like halogen light source. Intensity higher than 100W halogen light. Expected lifetime of 50,000 h. Power supply integrated in BX53F2 microscope frames. Including connection cable.
Long Description German	True Color LED Lichtquelle für BX53F2 Mikroskopstative. Die LED verfügt über einen einzigartigen Farbwiedergabeindex (>96) in Durchlichtbeobachtungen vergleichbar mit Halogenlichtquellen. Höhere Intensität als 100W Halogen. Erwartete Lebenszeit von 50.000 Stunden. Netzteil integriert in BX53F2 Mikroskopstativen. Verbindungskabel ist im Lieferumfang enthalten.
Available From	June 2017

1.2 Predecessor Information

No predecessor

1.3 Similar Products

Product	Difference to U-LHLEDC100
U-LHLEDC-1-2	Light intensity is equivalent to 30W Halogen and weaker than U-LHLEDC100. It is compatible with BX43F, BX46F, and BX63F.

2 PRODUCT SPECIFICATIONS

2.1 Specifications

Item	Specification
Type	True color white LED, 5600 °K
Compatible Microscope Frames	BX53F2
Life time	50,000 hours (design value)
Current Adjustment Range	0 mA to 680 mA
Power Supply	Integrated in BX53F2 microscope frame
Power Consumption	14 W
Weight	0.2 kg

2.2 Operating Environment

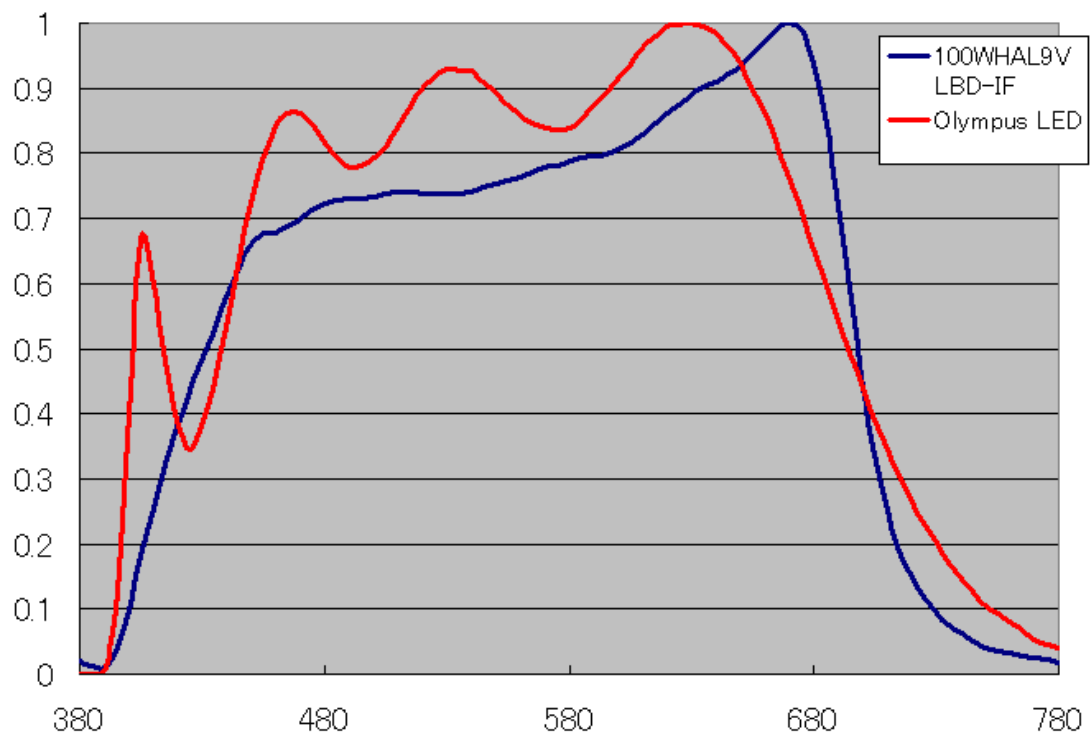
Intended Use	Indoor use
Altitude	up to 2000m
Ambient Temperature	5 to 40°C
Maximum Relative Humidity	80% (31°C)
Supply Voltage Fluctuations	±10%
Pollution Degree	2 (IEC60664-1)
Installation/Overvoltage Category	II (IEC60664-1)

2.3 Restrictions

Topic	Restriction
Compatibility	It is not compatible with BX53F.
Beep Sound	When beep sound is heard 5 times and the pilot indicator blinks, the U-LHLEDC100 is damaged or the cable is not connected to the microscope frame.
Light Balancing Amber Filter	46S-LBA4 light balancing amber filter can be equipped to U-LHLED100 light source up to 3 pieces.
Auto-Fluorescence	It causes the auto-fluorescence while observing fluorescence. BX3-SHT transmitted shutter closes the transmitted light path and prevents the auto-fluorescence.
Fluorescence Observation	Fluorescence emission from the LED might be visible.

2 PRODUCT SPECIFICATIONS

2.4 Emission Spectrum



2.5 Packing List

Item	Quantity
U-LHLEDC100	1