

TYPE:
JOB:

ORDERING CODE:

APPROVAL:
DATE:

SPECIFICATIONS

Overall Dimensions: 2', 3', 4' and 5' versions available
 Connection: Medium Bi-Pin with 90° rotation option; direct retrofit for T8, T10 and T12 lamps
 Input Voltage: 110-277VAC, 50/60Hz
 Ballast: Integrated
 Available Colors: Warm White (3500K +/-500), Neutral White (4500K +/-500), Cool White (6500K +/-500) VOLTAGE AC (V)
 Dimming: LED Lamps are NOT dimmable
 Lamp Life: Rated life of 50,000 hours to 70% lumen maintenance
 Environmental requirements:
 Operating temperature: -20 to +40°C
 Storage temperature: -30 to +60°C
 Working humidity: 30% to 85%
 Storage humidity: 10% to 90%
 Storage and operating environment: Normal indoor ventilation and non-corrosive environments
 UL / IP Rating: UL Listed, Indoor dry location only (IP-54)



NOTE: Must use non-shunted Lamp holders.

| PART NUMBER | SIZE | VOLTAGE AC (V) | CURRENT AC (A) | POWER (W) | RATED Frequency (Hz) | POWER FACTOR |
|---------------------|------|----------------|----------------|-----------|----------------------|--------------|
| LEDFLT8-XX24-BIPARV | 2 ft | 100-277 | 0.06 | 8 | 50/60 | 0.85 |
| LEDFLT8-XX36-BIPARV | 3 ft | 100-277 | 0.09 | 12 | 50/60 | 0.85 |
| LEDFLT8-XX48-BIPARV | 4 ft | 100-277 | 0.12 | 16 | 50/60 | 0.85 |
| LEDFLT8-XX60-BIPARV | 5 ft | 100-277 | 0.16 | 20 | 50/60 | 0.85 |

Note: LED Tube Lamp requires single end power only; wiring to one side of the fixture is sufficient. Ensure Lamp end labeled "Power end here" is installed to the life circuit.

| Product Line | Luminaire | Color Temp (+/- 500K) | Size | Connection | Voltage |
|----------------------|------------|----------------------------------|--------------------------------|------------------|---------------------|
| LEDFL LED Light Tube | T8 T8 Lamp | WW Warm White 3500K | 24 24" 36 36" | BIP BiPin | ARV 100-277V |
| | | NW Neutral White 4500K | 48 48" 60 60" | | |
| | | CW Cool White 6500K | | | |

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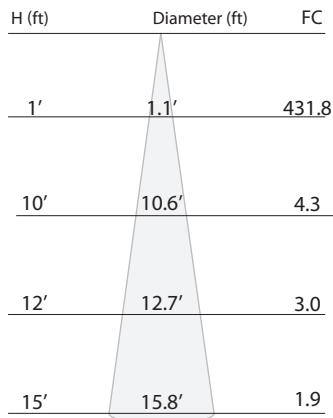
JOB:

DATE:

SPECIFICATIONS

LEDFLT8-CW48-BIPARV

Lumen output: 1313
Wattage: 14
Efficacy: 94.7 lpw
Beam Spread: 120°
CRI: 68
CCT: 6676 K
Power Factor: 0.902
LTL test report: 24661 & 24662



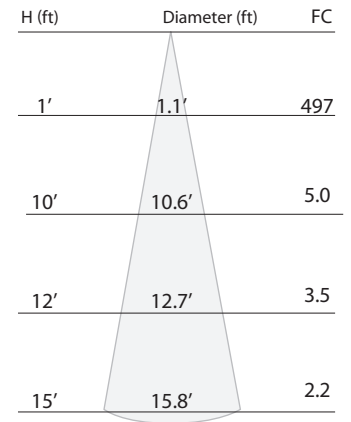
Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 346 | 26.3% |
| 0-40 | 571 | 43.5% |
| 0-60 | 1025 | 78.1% |
| 0-90 | 1296 | 98.7% |
| 90-180 | 17 | 1.3% |
| 0-180 | 1313 | 100% |

Testing was performed in accordance with IES LM-79-08 in a caliper certified laboratory

LEDFLT8-NW48-BIPARV

Lumen output: 1426
Wattage: 14
Efficacy: 101 lpw
Beam Spread: 120°
CRI: 67
CCT: 4449 K
Power Factor: 0.885
LTL test report: 24664 & 24665



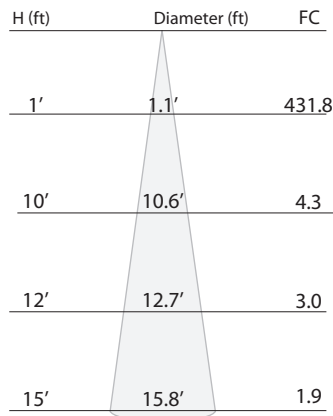
Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 385 | 27% |
| 0-40 | 634 | 44.5% |
| 0-60 | 1129 | 79.2% |
| 0-90 | 1415 | 99.2% |
| 90-180 | 12 | 0.8% |
| 0-180 | 1426 | 100% |

Testing was performed in accordance with IES LM-79-08 in a caliper certified laboratory

LEDFLT8-WW48-BIPARV

Lumen output: 1351
Wattage: 14
Efficacy: 93.2 lpw
Beam Spread: 120°
CRI: 62
CCT: 3170 K
Power Factor: 0.887
LTL test report: 24658 & 24659



Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 369 | 27.3% |
| 0-40 | 605 | 44.8% |
| 0-60 | 1072 | 79.3% |
| 0-90 | 1339 | 99.1% |
| 90-180 | 12 | 0.9% |
| 0-180 | 1351 | 100% |

Testing was performed in accordance with IES LM-79-08 in a caliper certified laboratory

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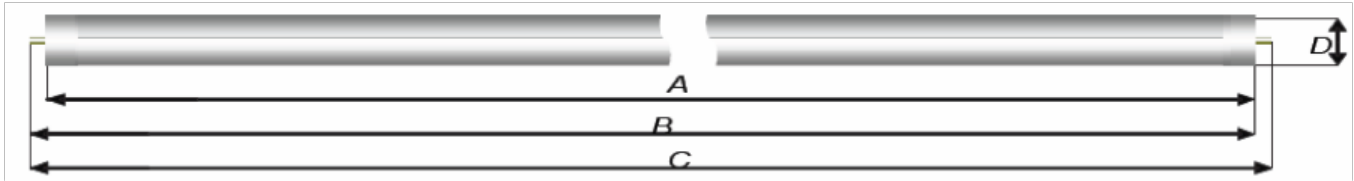
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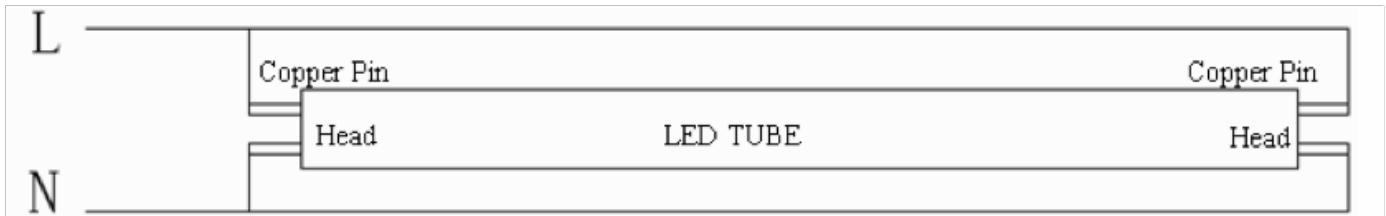
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SPECIFICATIONS



| Part Number | Size | Weight | A | | B | | C | | D | Socket type |
|---------------------|------|----------|--------|--------|--------|-----|--------|-----------|-----|-------------|
| | | | MAX | MIN | MAX | MIN | MAX | MAX | | |
| LEDFLT8-XX24-BIPARV | 2 ft | 0.48 lbs | 32.22" | 23.4" | 23.5" | / | 23.78" | φ 1.2598" | G13 | |
| LEDFLT8-XX36-BIPARV | 3 ft | 0.75 lbs | 35.22" | 35.4" | 35.5" | / | 35.78" | φ 1.2598" | G13 | |
| LEDFLT8-XX48-BIPARV | 4 ft | 0.97 lbs | 47.22" | 47.4" | 47.5" | / | 47.78" | φ 1.2598" | G13 | |
| LEDFLT8-XX60-BIPARV | 5 ft | 1.15 lbs | 59.06" | 59.24" | 59.33" | / | 59.61" | φ 1.2598" | G13 | |

LED Light Tube Wiring Diagram



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A Program of the U.S. DOE

Light Output (Lumens) 1343
Watts 13.86
Lumens per Watt (Efficacy) 96

Color Accuracy
Color Rendering Index (CRI) 68

Light Color
Correlated Color Temperature (CCT) 6676 (Daylight)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results. CCT ranges above 6500K are suitable for outdoor use only.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: BM8V-H16HQX (10/13/2011)
Model Number: LEDFLT8-CW48-BIPARV
Type: Replacement lamp - Linear T8/T5/T12 tube

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A Program of the U.S. DOE

Light Output (Lumens) 1460
Watts 14.16
Lumens per Watt (Efficacy) 103

Color Accuracy
Color Rendering Index (CRI) 67

Light Color
Correlated Color Temperature (CCT) 4449 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: BM8V-L455GJ (10/13/2011)
Model Number: LEDFLT8-NW48-BIPARV
Type: Replacement lamp - Linear T8/T5/T12 tube

lighting facts[®]
A Program of the U.S. DOE

Light Output (Lumens) 1411
Watts 14.54
Lumens per Watt (Efficacy) 97

Color Accuracy
Color Rendering Index (CRI) 62

Light Color
Correlated Color Temperature (CCT) 3170 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: BM8V-67NXKN (10/13/2011)
Model Number: LEDFLT8-WW48-BIPARV
Type: Replacement lamp - Linear T8/T5/T12 tube