

LED



create**change**



FEATURES

- LED Open Striplight
- Long life 60,000 hour LEDs at L80 for reduced maintenance
- Four LED color choices and 80+ CRI
- Choice of four lumen packages per size
- Available in 2', 4', or 8' lengths
- Optional integral emergency battery pack
- Heavy die-formed steel channel
- LED boards and driver accessible for future maintenance or upgrades
- Modular replaceable LED components
- Surface mount or suspended
- For narrow lens LED striplight use LCL
- For industrial narrow distribution LED use LCR
- Maximum temperature 25°C on all lumen packages up to HL
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org
- Five year warranty

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Housing, wireway, and ends are formed from code-gauge steel. Housing components act as heat sink for LED heat dissipation. Knockouts are provided for electrical access and mounting.

FINISH

White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel. For a post-painted housing finish select PAF option.

ELECTRICAL

Long-life LEDs are rated for 50,000 hours at L80 lumen maintenance. Driver options include fixed output for on/off function, step dimming (high/low/off) or continuous 0-10V dimming.

CERTIFICATION

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA c/US labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org.

WARRANTY

Five year warranty (Terms and Conditions apply).

ORDERING INFORMATION

EXAMPLE LCS4-40HL-EU

| LCS | | | | | | |
|--------------------|------|------------|---|---|--------------------------|--|
| MODEL | SIZE | COLOR TEMP | LUMEN OUTPUT | DRIVER | VOLTAGE | OPTIONS |
| LCS LED Striplight | 2 2' | 30 3000K | LW Low Watt | E Fixed Output | U 120V-277V | ELL14 Emergency Battery Pack, 1400 Lumens ^{1,2} GLR Fast Blow Fuse PAF Paint After Fabrication |
| | 4 4' | 35 3500K | ML Medium Lumen | ESD Step Dimming ³ | 347 347V (E,ED,ED1 only) | |
| | 8 8' | 40 4000K | HL High Lumen | ED 0-10V Dimming | 480 480V ⁴ | |
| | | 50 5000K | VL Very High Lumen | ED1 0-10V 1% Dimming | | |
| | | | See Product Availability Table on following page. | LUTH Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology | | |
| | | | | LUT5 5-Series EcoSystem LED driver | | |

| ACCESSORIES (ORDER SEPARATELY) | |
|--------------------------------|--|
| CSWG4 | 4' Wire Guard, 2 Required for 8' Fixture |
| S18 | 18" Stem, Canopy |
| SS18 | 18" Swivel Stem—45° Swivel |
| CSHC | Chain Hanger Assembly |

¹ Not available in 2' size.
² For compatibility with Dual-Lite LiteGear® inverters in lieu of installed battery pack, contact Hubbell Lighting representative.
³ Only available in 4' ML, HL & VL packages.
⁴ Consult factory for LW lumen package.

| Product Availability | | | |
|----------------------|--------|-------|-----|
| Lumen Package | Lumens | Watts | LPW |
| LCS2-30ML-EU | 2896 | 23 | 124 |
| LCS2-35ML-EU | 2955 | 23 | 127 |
| LCS2-40ML-EU | 3041 | 23 | 131 |
| LCS2-50ML-EU | 3122 | 23 | 134 |
| LCS4-30LW-EU | 2662 | 19 | 142 |
| LCS4-35LW-EU | 2753 | 19 | 146 |
| LCS4-40LW-EU | 2795 | 19 | 149 |
| LCS4-50LW-EU | 2870 | 19 | 153 |
| LCS4-30ML-EU | 5392 | 42 | 130 |
| LCS4-35ML-EU | 5575 | 42 | 134 |
| LCS4-40ML-EU | 5661 | 42 | 136 |
| LCS4-50ML-EU | 5812 | 42 | 140 |
| LCS4-30HL-EU | 6572 | 52 | 126 |
| LCS4-35HL-EU | 6795 | 52 | 130 |
| LCS4-40HL-EU | 6900 | 52 | 132 |
| LCS4-50HL-EU | 7084 | 52 | 135 |
| LCS4-30VL-EU | 10795 | 88 | 123 |
| LCS4-35VL-EU | 11162 | 88 | 127 |
| LCS4-40VL-EU | 11334 | 88 | 129 |
| LCS4-50VL-EU | 11637 | 88 | 132 |
| LCS8-30LW-EU | 5324 | 38 | 142 |
| LCS8-35LW-EU | 5506 | 38 | 146 |
| LCS8-40LW-EU | 5590 | 38 | 149 |
| LCS8-50LW-EU | 5740 | 38 | 153 |
| LCS8-30ML-EU | 10784 | 83 | 130 |
| LCS8-35ML-EU | 11150 | 83 | 134 |
| LCS8-40ML-EU | 11322 | 83 | 136 |
| LCS8-50ML-EU | 11624 | 83 | 140 |
| LCS8-30HL-EU | 13144 | 105 | 126 |
| LCS8-35HL-EU | 13590 | 105 | 130 |
| LCS8-40HL-EU | 13800 | 105 | 132 |
| LCS8-50HL-EU | 14168 | 105 | 135 |
| LCS8-30VL-EU | 21590 | 176 | 123 |
| LCS8-35VL-EU | 22324 | 176 | 127 |
| LCS8-40VL-EU | 22668 | 176 | 129 |
| LCS8-50VL-EU | 23274 | 176 | 132 |

Actual lumens will vary according to color temperature and other factors. For exact lumens and watts see specific photometric test(s).

Test #17800 Test Date 9/26/2016

LUMINAIRE DATA

| | |
|-----------------------------|--|
| Luminaire | LCS2-40ML-EU LCS LED Straight Sided Utility Channel, Striplight 24" x 4 ⁷ / ₁₆ " LED striplight with white reflector |
| Ballast | XI040C110V054BST1 |
| Ballast Factor | 1.00 |
| Lamp | LED |
| Fixture Lumens | 3041 |
| Watts | 23.30 |
| Shielding Angle | 0° = 90 90° = 90 |
| Spacing Criterion | 0° = 1.27 90° = 1.28 |
| Luminous Opening in Feet | Length: 2.00 Width: 0.38 Height: 0.00 |

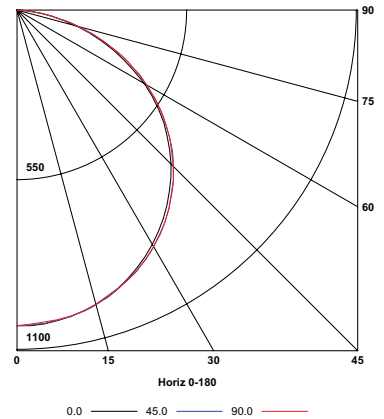
ZONAL LUMEN SUMMARY

| Zone | Lumens | Lamp | Fixt. |
|-------|--------|-------|-------|
| 0-30 | 803 | 26.4 | 26.4 |
| 0-40 | 1326 | 43.6 | 43.6 |
| 0-60 | 2384 | 78.4 | 78.4 |
| 0-90 | 3041 | 100.0 | 100.0 |
| 0-180 | 3041 | 100.0 | 100.0 |

ENERGY DATA

| | |
|--|--|
| Total Luminaire Efficiency | 100.0 |
| Total Lumens per Watt | 131 |
| ANSI/IESNA RP-1-2004 Compliance | Noncompliant |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | \$1.82 based on 3000 hrs. and \$0.08 per KWH |

INDOOR CANDELA PLOT



Test #17806 Test Date 9/20/2016

LUMINAIRE DATA

| | |
|-----------------------------|--|
| Luminaire | LCS4-40ML-EU LCS LED Straight Sided Utility Channel, Striplight 48" x 4 ⁷ / ₁₆ " LED striplight with white reflector |
| Ballast | XI040C110V054BST1 |
| Ballast Factor | 1.00 |
| Lamp | LED |
| Fixture Lumens | 5662 |
| Watts | 41.50 |
| Shielding Angle | 0° = 90 90° = 90 |
| Spacing Criterion | 0° = 1.29 90° = 1.27 |
| Luminous Opening in Feet | Length: 4.00 Width: 0.38 Height: 0.00 |

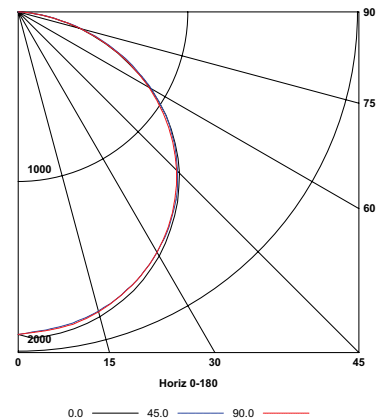
ZONAL LUMEN SUMMARY

| Zone | Lumens | Lamp | Fixt. |
|-------|--------|-------|-------|
| 0-30 | 1492 | 26.4 | 26.4 |
| 0-40 | 2464 | 43.5 | 43.5 |
| 0-60 | 4435 | 78.3 | 78.3 |
| 0-90 | 5662 | 100.0 | 100.0 |
| 0-180 | 5662 | 100.0 | 100.0 |

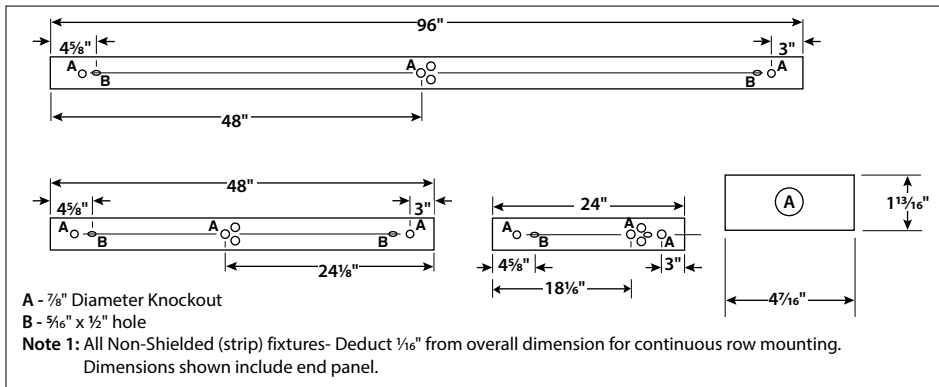
ENERGY DATA

| | |
|--|--|
| Total Luminaire Efficiency | 100.0 |
| Total Lumens per Watt | 136 |
| ANSI/IESNA RP-1-2004 Compliance | Noncompliant |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | \$1.78 based on 3000 hrs. and \$0.08 per KWH |

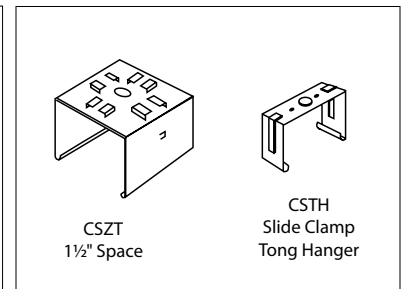
INDOOR CANDELA PLOT



DIMENSIONAL DATA



MOUNTING ACCESSORIES



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

ACCESSORIES

