

LS2 Linear Strip - Control Ready Series

Wattage and Color Selectable



2FT



4FT



8FT

Product Description

The new generation of LS Series Linear Strips (LS2 Series) features field-selectable wattages, CCTs and field-installable controls. Offered in three sizes (2', 4' and 8'), with each providing nine combinations of color temperatures and wattages, as well as optional c-Max controls, one product can replace 54 different SKUs for stocking distributors! With its versatility and long life, the LS2 Series can address a variety of commercial, industrial, retail and residential application needs, including storage/utility, workshop, task or general area lighting.

Features:

- CCT and Wattage selectable (9 possible combinations with each fixture)
- Controls Ready – can be paired with the new cMax controls nodes
- 0-10V dimming standard
- CRI>80
- Universal voltage 120-277V
- L70 lumen maintenance of 100,000 hours
- Sheet metal (steel) housing and PMMA lens for smooth diffused distribution
- Operating temperature: -4°F to 122°F, except fixtures with EM option
- On EM mode, the fixture CCT will be set to 5000K
- Default setting for WCS models is set to lower wattage and 4000K
- Fixture may be surface, pendant, or stem mounted (accessories sold separately)
- On EM mode, the fixture output a minimum of 700 lumens for 90 minutes, when fully charged

Controls Ready:

MaxLite's new Controls Ready (CR) fixtures allows for quick and easy in-field installation (plug and play) of controls. Simply purchase any CR fixture and the required Controls Node and you're all set! See the accessory table for all controls options available for this fixture.



Ordering Information

| FAMILY | SIZE | VOLTAGE | WATTAGE (NOMINAL) | CCT SELECT | CONTROLS OPTIONS | OPTIONS |
|-------------------------|----------------------------|-------------|--|---|-------------------|---|
| LS2= Linear Strip Gen 2 | 2= 24" 4= 48" 8= 96" | U= 120-277V | 20W= 20/25/30W 23W= 23/34/47W 65W= 65/75/90W | CS= Color Selectable (3500K/4000K/5000K) | CR= Control Ready | [BLANK]= None EM= Emergency Back-up* |

*EM unit is UL924 classified. EM is not possible on the 2ft model.
Default setting for WCS models is set to lowest wattage and 4000K.

Stocked Items

| ORDER CODE | MODEL NUMBER | DLC PRODUCT ID # | CLASSIFICATION | DLC CATEGORY |
|------------|---------------|--|----------------|--|
| 105620 | LS2-2U20WCSCR | P37EJ8SA, PEXSXWUJ, PHEAKO45 | Premium | Stairwell and Passageway Luminaires |
| | | PER8OUVJ, PPTFEOTT, PO0WFPBC | Standard | Direct Linear Ambient Luminaires |
| 105626 | LS2-4U23WCSCR | PSEGENGX, PLS5JONV, PE63A703 | Premium | Stairwell and Passageway Luminaires |
| | | PL9NLBJZ, PFV108PR, PKKQ1ASB, PH4XPVZ6, PSLQ377I | Standard | Direct Linear Ambient Luminaires, Low-Bay Luminaires for Commercial and Industrial Buildings |
| 105632 | LS2-8U65WCSCR | P46TMYWJ, PS07PKYS, P0QVNA79, PGROPEND, PBW443WL, P9742G99 | Premium | Stairwell and Passageway Luminaires, High-Bay Luminaires for Commercial and Industrial Buildings |
| | | PXB8EIH8, P3L9HF8Z, PNL8MHT9 | Standard | Direct Linear Ambient Luminaires |



10-year standard warranty with labor allowance (further details available at www.maxlite.com/warranties)

Warranty Limitations: Product must be rated for application per the Product Data Sheet (PDS); operated ≤16 hrs; in ambient temperatures -4°F to 77°F. If ambient temperatures fall outside the -4°F to 77°F range, product is warranted for 5 years according to the operating temperature range specified on the PDS. Up to \$25/unit; registration required. Additional coverage may be available for purchase; contact MaxLite. Excludes EM/MS versions; component warranty applies.

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Accessories (SOLD SEPARATELY)

| ORDER CODE | MODEL NUMBER | DESCRIPTION | IMAGE |
|----------------------|-----------------|--|-------|
| 74138 | MLCHKLSU15 | Cable Kit 15' Loop X Toggle Y 1 Pair | |
| 106052 | LS2-WG2404 | Wireguard 2ft LS2 Strip Watt CCT Select 22in X 4in | |
| 106053 | LS2-WG4804 | Wireguard 4ft LS2 Strip Watt CCT Select 47in x 4in | |
| 106054 | LS2-WG9604* | Wireguard 8ft LS2 Strip Watt CCT Select 94in X 4in | |
| 106185 | LS2-PLATEKIT*** | Connecting Bracket/Plate Kit LS2 Strip Watt CCT Select, White Finish | |
| 108422 | LS2-CBKT | Corner Bracket Kit for LS2 WCS | |
| 108421 | LS2-PMKIT | Pipe Mount Kit for LS2 WCS | |
| 108384 | CWHD-48W**** | Connecting Wire Harness - Dimming 4FT, White, Includes Additional Female Connector | |
| 108383 | CWHP-48W**** | Connecting Wire Harness - Power 4FT, White, Includes Additional Female Connecto | |
| c-Max Basic | | | |
| 105567 | CN-REMOTE | Control Node Remote Control | |
| 105564 | CN-RTMST | Control Node Rectangular, Microwave Motion Sensor, Translucent | |
| 105565 | CN-RDMSW** | Control Node Round, White | |
| 106903 | CEA-RDW | c-Max External Adapter Round, White | |
| c-Max Network | | | |
| 105892 | NN-RTW | Network Node Rectangular, White | |
| 108392 | WNS5-W | Wall Network Switch (Bluetooth) White | |
| 105905 | NN-RDMSW** | Network Node Round, White | |
| 106318 | NPP-300W | 120-277V Network Power Pack 300W Max | |

*LS2-WG9604 comes in 2 units of 4' segments.

**To use CN-RDMSW or NN-RDMSW, the CEA-RDW External adapter also needs to be purchased seperately.

*** It is recommended to purchase CWHD-48W (sold separately) and CWHP-48W (sold separately) along with LS2-PLATEKIT.

**** Use CWHD-48W and CWHP-48W to daisy chain. Maximum Luminaire count should be less than or equal to 4.

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Sensor

| SENSOR | TECHNOLOGY | DIMMING | DAYLIGHT HARVESTING | REMOTE CONTROL | QR CODE |
|----------|--|----------|----------------------------------|-------------------------------|---------|
| CN-RTMST | Microwave, Photoelectric | Bi-Level | N/A | CN-REMOTE | |
| CN-RDMSW | PIR motion sensing, Photoelectric | Bi-Level | Continuous Adjustment Mode (CAM) | CN-REMOTE | |
| NN-RTW | Bluetooth networking | N/A | N/A | c-Max App (iPhone or Android) | |
| NN-RDMSW | PIR motion sensing, Photoelectric & Bluetooth networking | Bi-Level | Continuous Adjustment Mode (CAM) | c-Max App (iPhone or Android) | |

Specifications

| | LS2-2U20WCSCR | | |
|-----------------------|--|----------|----------|
| Power Consumption | 20W | 25W | 30W |
| Lumens Delivered | 2,600 lm | 3,250 lm | 3,900 lm |
| Efficacy | 130 lm/w | 130 lm/w | 130 lm/w |
| CRI | >=80 | | |
| Color Temperature (K) | 3500K, 4000K, 5000K | | |
| L70 Lumen maintenance | >=100,000 hours | | |
| Power Factor | >=0.9 | | |
| Input Voltage | 120-277V | | |
| Operating Temperature | -4°F to 122°F (-20°C to 50°F) | | |
| Qualifications | cULus listed, FCC, RoHS Complaint | | |
| Environment | UL listed for Damp location | | |
| Warranty | 10 Years warranty | | |
| Qualifications | DLC Standard/DLC Premium (see Stocked Item table for more details) | | |

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Specifications

| | LS2-4U23WCSCR | | |
|-----------------------|---|----------|----------|
| Power Consumption | 23W | 34W | 47W |
| Lumens Delivered | 2,990 lm | 4,420 lm | 6,110 lm |
| Efficacy | 130 lm/w | 130 lm/w | 130 lm/w |
| CRI | >=80 | | |
| Color Temperature (K) | 3500K, 4000K, 5000K | | |
| L70 Lumen maintenance | >=100,000 hours | | |
| Power Factor | >=0.9 | | |
| Input Voltage | 120-277V | | |
| Operating Temperature | -4°F to 122°F (-20°C to 50°F), except EM units. EM units: +32°F to +122°F (0°C to +50°C) | | |
| Qualifications | cULus listed, FCC, Rohs Complaint | | |
| Environment | UL listed for Damp location | | |
| Warranty | 10 Years warranty | | |
| Qualifications | DLC Standard/DLC Premium (see Stocked Item table for more details) | | |

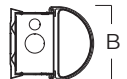
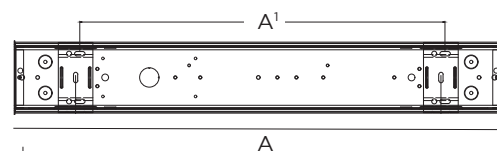
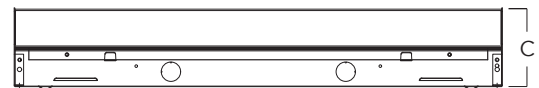
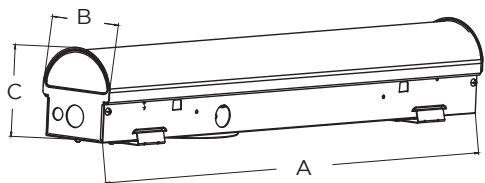
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Specifications

| | LS2-8U65WCSCR | | |
|-----------------------|---|----------|-----------|
| Power Consumption | 65W | 75W | 90W |
| Lumens Delivered | 8,450 lm | 9,750 lm | 11,700 lm |
| Efficacy | 130 lm/w | 130 lm/w | 130 lm/w |
| CRI | >=80 | | |
| Color Temperature (K) | 3500K, 4000K, 5000K | | |
| L70 Lumen maintenance | >=100,000 hours | | |
| Power Factor | >=0.9 | | |
| Input Voltage | 120-277V | | |
| Operating Temperature | -4°F to 122°F (-20°C to 50°F), except EM units. EM units: +32°F to +122°F (0°C to +50°C) | | |
| Qualifications | cULus listed, FCC, Rohs Complaint | | |
| Environment | UL listed for Damp location | | |
| Warranty | 10 Years warranty | | |
| Qualifications | DLC Standard/DLC Premium (see Stocked Item table for more details) | | |

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Dimensions



| PRODUCT | A (L) | A' | B (W) | C (H) |
|-----------------|-------|-------|-------|-------|
| LS2-2U20WCSCRxx | 22.2" | 16.6" | 3.3" | 3.6" |
| LS2-4U23WCSCRxx | 47.3" | 42.1" | 3.3" | 3.6" |
| LS2-8U65WCSCRxx | 94.2" | 88.6" | 3.3" | 3.6" |