

DESCRIPTION

The SLES Series is a strip family that incorporates premium performance and construction durability. Designed with our easy-to-use Flip-Up socket design, the SLES significantly reduces installation time. The SLES Series can be installed using various mounting methods and numerous options and accessories are available. In addition to these contractor friendly features, this series is optimized for use with LED based lamps, which are included with each shipment.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

SPECIFICATION FEATURES

Construction

Channel die formed cold rolled steel with numerous KOs for ease of installation. Groove for Tong Hanger. End plate quickly converts to snap-in channel connector for continuous row alignment. Lamp holder bracket flips in place. Channel/wireway cover secured with quarter-turn fasteners.

Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools.

Electrical

LED sources are available in "Type B" which are energized using direct wire to each lamp through specialized sockets or "Type C" through an LED driver matched with UL approved LED lamps. Our electrical systems have been tested and include protection inherent in the drivers for type C and stand alone protection for type B. These systems are cULus listed for damp locations and are rated for 120 - 277V applications.

Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting upgrade, baked white enamel finish. Prepainted material is standard, PAF optional.

Performance

Through testing and component optimization, the SLES strip line has been optimized to deliver the benefits of LED along with the maintenance benefits traditional fluorescent lamps. These fixtures utilize specialized sockets and electrical protection circuits to ensure safety, durability and electrical code compliance. Performance varies based on lamp selection and type.

Certifications

cULus 1598 listed for damp locations. Meets FCC part 15 class A requirements. Light Engine performance complies with IESNA LM-79 and LM-80 standards. RoHS compliant. Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements. Can be used for State of California Title 24 high efficacy luminaire.



SLES

(Socket-Fit Light Engine) Striplight

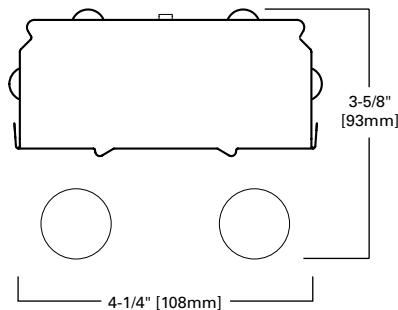
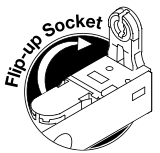
Non-Dimming:

- SB - Single Ended Type B - with internal protection
- DB - Dual Ended Type B
- DC - Type C - Driver based

Dimming:

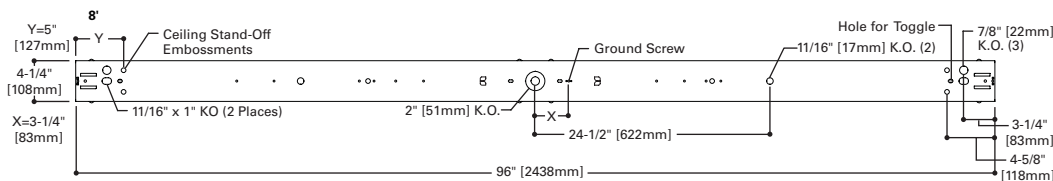
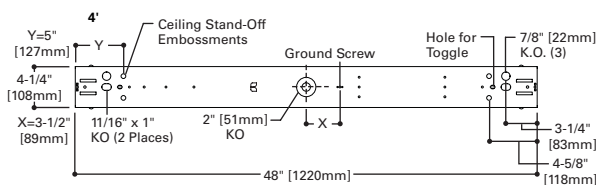
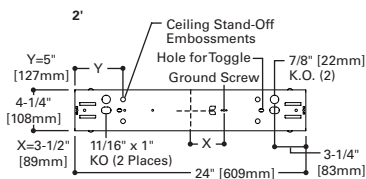
- SBDIM - Type B with 0-10V dimming
- DCDIM - Type C with 0-10V dimming

2', 4' OR 8' STRIP
1 OR 2 LAMPS
T8 LAMP SHAPE/LENGTH

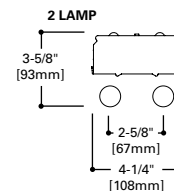
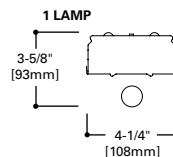


Note: Shape of lamp may not be exactly as depicted in line art.

MOUNTING DATA



LAMP CONFIGURATIONS



LOAD DATA

| | 2' | 4' | 8' |
|-------------------------------------|--------|-----|------|
| PF | > .9 | | |
| THD% | < 20% | | |
| Low Temp Start | -20° C | | |
| Max Ambient Temp | 45° C | | |
| Weight lbs. (based on 2 rows lamps) | 4.8 | 6.6 | 14.6 |

LINEAR DISCONNECT

Safe and convenient means of disconnecting power



PERFORMANCE IN FIXTURE - TYPE B

| Lamp Rows | Strip Catalog Prefix | Strip Length | Lamp Designations: Type, Watts, CRI, CCT ¹ | Nominal Lumens @3500K ² | Watts | Efficacy | Input Current (A) @120V |
|--------------------|----------------------|--------------|---|------------------------------------|-------|----------|-------------------------|
| Type B Non-Dimming | | | | | | | |
| 1 | 2SLES-1SB | 2' | SB7-L8XX or DB7-L8XX | 780 | 7 | 111 | 0.058 |
| | SLES-1SB | 4' | SB11-L8XX or DB11-L8XX | 1784 | 11.5 | 155 | 0.096 |
| | | | SB12-L8XX | 1834 | 12.5 | 147 | 0.104 |
| | | | SB15-L8XX or DB15-L8XX | 1883 | 15 | 126 | 0.125 |
| | | | SB18-L8XX | 2478 | 18.5 | 134 | 0.154 |
| | 8TSLES-1SB | 8' | SB11-L8XX or DB11-L8XX | 3568 | 23 | 155 | 0.192 |
| | | | SB12-L8XX | 3667 | 25 | 147 | 0.208 |
| | | | SB15-L8XX or DB15-L8XX | 3767 | 30 | 126 | 0.250 |
| | | | SB18-L8XX | 4956 | 37 | 134 | 0.308 |
| | 2 | 2SLES-1SB | 2' | SB7-L8XX or DB7-L8XX | 1482 | 14 | 106 |
| SLES-1SB | | 4' | SB11-L8XX or DB11-L8XX | 3527 | 23 | 153 | 0.192 |
| | | | SB12-L8XX | 3625 | 25 | 145 | 0.208 |
| | | | SB15-L8XX or DB15-L8XX | 3723 | 30 | 124 | 0.250 |
| | | | SB18-L8XX | 4899 | 37 | 132 | 0.308 |
| 8TSLES-1SB | | 8' | SB11-L8XX or DB11-L8XX | 7055 | 46 | 153 | 0.383 |
| | | | SB12-L8XX | 7251 | 50 | 145 | 0.417 |
| | | | SB15-L8XX or DB15-L8XX | 7446 | 60 | 124 | 0.500 |
| | | | SB18-L8XX | 9798 | 74 | 132 | 0.617 |
| Type B Dimming | | | | | | | |
| 1 | SLES-1SB | 4' | SBDIM18-8XX | 2160 | 17.5 | 123 | 0.146 |
| | 8TSLES-1SB | 8' | | 4320 | 35 | 123 | 0.292 |
| 2 | SLES-2SB | 4' | | 4251 | 35 | 121 | 0.292 |
| | 8TSLES-2SB | 8' | | 8502 | 70 | 121 | 0.583 |

Notes: ¹ Lamps available in 3000K, 3500K, 4000K, and 5000K. Designate in catalog number when ordering. ² Performance data at 25°C and may change depending upon lamps used. Use IES files for confirmation prior to install.

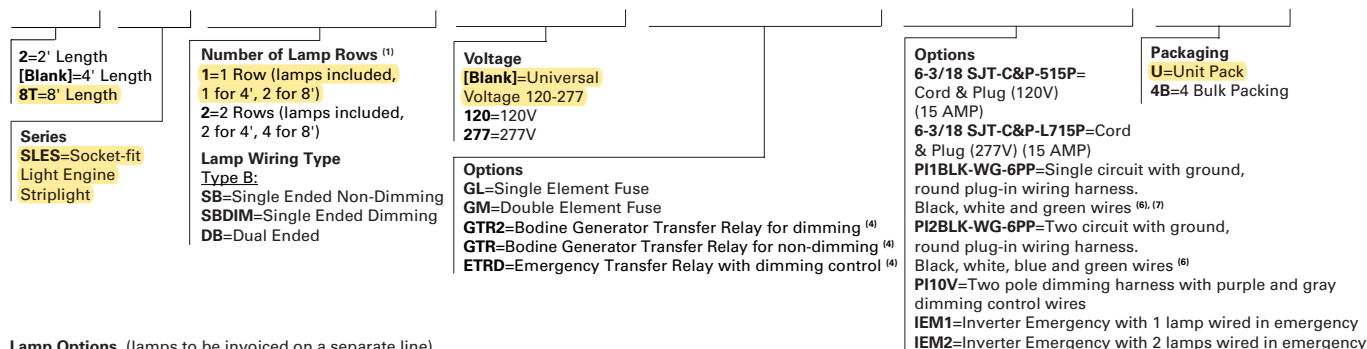
PERFORMANCE IN FIXTURE - TYPE C

| Lamp Rows | Strip Catalog Prefix | Strip Length | Lamp Designations: Type, Watts, CRI, CCT ¹ | Nominal Lumens @3500K ² | Watts | Efficacy | Input Current (A) @120V |
|--------------------|----------------------|--------------|---|------------------------------------|-------|----------|-------------------------|
| Type C Non-Dimming | | | | | | | |
| 1 | 2SLES-1DC | 2' | DC7-L8XX | 845 | 7 | 121 | 0.058 |
| | SLES-1DC | 4' | DC13-L8XX | 1478 | 12 | 123 | 0.100 |
| | | | DC16-L8XX | 1971 | 15 | 131 | 0.125 |
| | 8TSLES-1DC | 8' | DC13-L8XX | 2956 | 24 | 123 | 0.200 |
| DC16-L8XX | | | 3942 | 30 | 131 | 0.250 | |
| 2 | 2SLES-1DC | 2' | DC7-L8XX | 1665 | 14 | 119 | 0.117 |
| | SLES-1DC | 4' | DC13-L8XX | 2956 | 24 | 123 | 0.200 |
| | | | DC16-L8XX | 3942 | 30 | 131 | 0.250 |
| | 8TSLES-1DC | 8' | DC13-L8XX | 5913 | 48 | 123 | 0.400 |
| | | | DC16-L8XX | 7883 | 60 | 131 | 0.500 |
| Type C Dimming | | | | | | | |
| 1 | SLES-1DC | 4' | DCDIM13-L8XX | 1971 | 14 | 141 | 0.117 |
| | | | DCDIM16-L8XX | 2266 | 16.5 | 137 | 0.138 |
| | 8TSLES-1DC | 8' | DCDIM13-L8XX | 3942 | 28 | 141 | 0.233 |
| | | | DCDIM16-L8XX | 4533 | 33 | 137 | 0.275 |
| 2 | SLES-2DC | 4' | DCDIM13-L8XX | 3942 | 28 | 141 | 0.233 |
| | | | DCDIM16-L8XX | 4533 | 33 | 137 | 0.275 |
| | 8TSLES-2DC | 8' | DCDIM13-L8XX | 7883 | 56 | 141 | 0.467 |
| | | | DCDIM16-L8XX | 9066 | 66 | 137 | 0.550 |

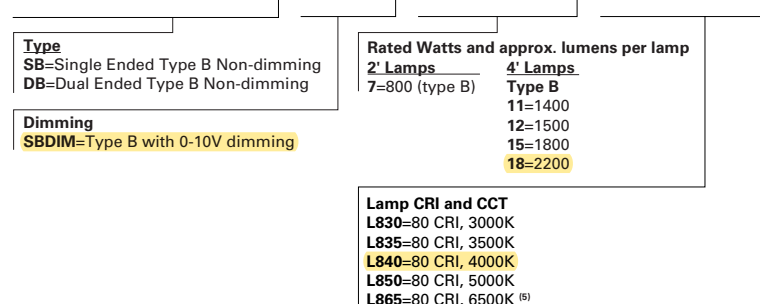
Notes: ¹ Lamps available in 3000K, 3500K, 4000K, and 5000K. Designate in catalog number when ordering. ² Performance data at 25°C and may change depending upon lamps used. Use IES files for confirmation prior to install.

ORDERING INFORMATION TYPE B LAMPS

TYPE B SAMPLE STRIP NUMBER: 8TSLES-2DC-PI2BLK-WG-6PP-IEM1-U



Lamp Options (lamps to be invoiced on a separate line)
TYPE B SAMPLE LAMP OPTIONS NUMBER: SBDIM18-L840 (Dimming Type B, 18 Watts, 80 CRI, 4000K)

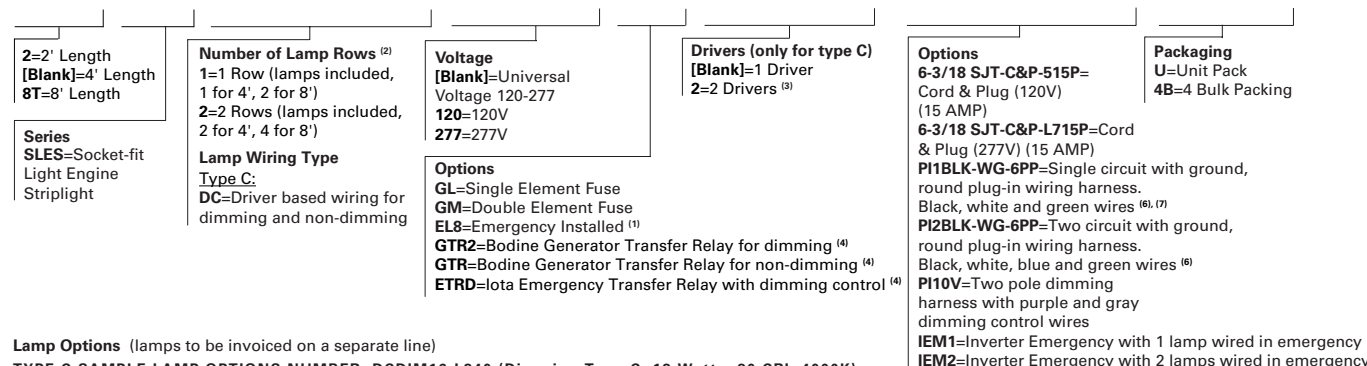


NOTES: ⁽²⁾ Lamps are supplied by Eaton and must be shipped according to Eaton standards and test requirements. Lamps will be bulk packed based on order requirements and may have minimum order quantities. ⁽⁴⁾ Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR requires 2 relays on fixtures with dimming. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices. ⁽⁵⁾ Available in SB15 only. ⁽⁶⁾ Must use 2 wire harness when used with emergency options. ⁽⁷⁾ Only use for non-EM installations.

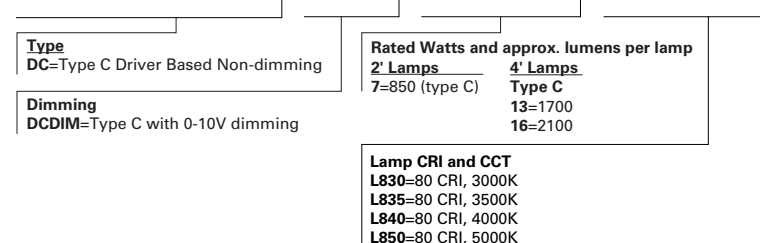
Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

ORDERING INFORMATION TYPE C LAMPS

TYPE C SAMPLE STRIP NUMBER: 8TSLES-2DC-PI2BLK-WG-6PP-IEM1-U



Lamp Options (lamps to be invoiced on a separate line)
TYPE C SAMPLE LAMP OPTIONS NUMBER: DCDIM16-L840 (Dimming Type C, 18 Watts, 80 CRI, 4000K)



NOTES: ⁽¹⁾ Emergency options converter based with type C systems using internally installed battery LED driver and matched LED lamps. ⁽²⁾ Lamps are supplied by Eaton and must be shipped according to Eaton standards and test requirements. Lamps will be bulk packed based on order requirements and may have minimum order quantities. ⁽³⁾ 2 drivers is only available with 2 row options or 8' single row options. Ex. 2 drivers for 8TSLES will be wired to control each row. ⁽⁴⁾ Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR requires 2 relays on fixtures with dimming. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices.

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

| Catalog No. | Wt. |
|-------------|-----------|
| 2SLES | 4.0 lbs. |
| SLES | 5.1 lbs. |
| 8TSLES | 10.2 lbs. |