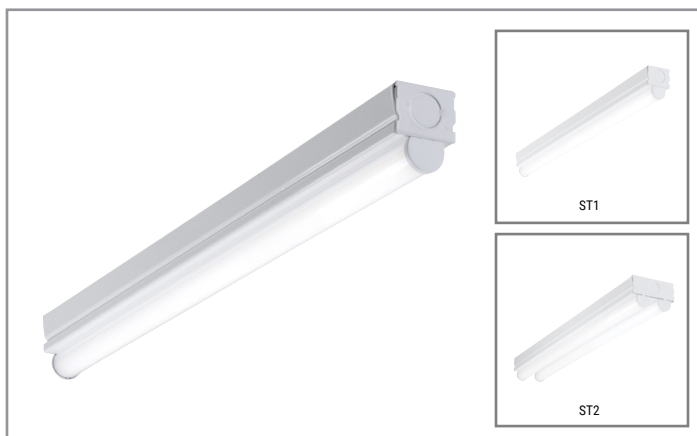


|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



## Metalux

### ST1, ST2

Linear Single or Dual Lens LED Striplight

#### Typical Applications

New Construction • Retrofit

#### Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Product Warranty

#### Product Certification



#### Product Features



#### Top Product Features

- Ideal for replacing single or two lamp fluorescent strips
- Superior performance with lumens up to 9400 lumen and 123 lm/W
- 3500, 4000 or 5000K CCT options in stock
- Unique single or dual lens tube design
- Full length and standard width die formed channel: 1.8" and 3.5"

|              | Features  | Benefits  |
|--------------|---|---|
| Construction | Full length and standard width channel design                           | No painting required. Ideal for any retrofit LFL project    |
|              | Tool-less channel cover, integrated LEDs and wireless access from below | Simple install and maintenance for life of product          |
|              | Surface, chain or toggle mount  | Ideal for new construction or retrofit                      |
|              | Continuous row mount aligner included                                   | Add-on length as needed regardless of application or layout |
| Performance  | Up to 118 lm/W, 3500, 4000 or 5000K CCT options                         | Save over 40% energy over existing LFL strips               |
|              | Classic single or double lens tube appearance                           | One for one replacement of 2 or 4-lamp LFL strips           |
|              | DLC®, 5-year warranty, 50K life hours at L70                            | Certified and guaranteed performance                        |

## Order Information

| Catalog Number | UPC          | CCT (K) | CCT (K) | Delivered lumens | Watts | Efficacy (lm/W) | Controls | Input current (A) |      |
|----------------|--------------|---------|---------|------------------|-------|-----------------|----------|-------------------|------|
|                |              |         |         |                  |       |                 |          | 120V              | 277V |
| 2ST1L1040R     | 080083838165 | 4000    | 80      | 1165             | 9.8   | 119             | None     | 0.08              | 0.04 |
| 2ST2L2040R     | 080083838172 | 4000    | 80      | 2298             | 19.4  | 118             | None     | 0.16              | 0.07 |
| 4ST1L2040R     | 080083838189 | 4000    | 80      | 2298             | 19.4  | 118             | None     | 0.16              | 0.07 |
| 4ST2L4040R     | 080083838196 | 4000    | 80      | 4433             | 39.2  | 113             | None     | 0.33              | 0.14 |
| 8ST2L8040R     | 080083838202 | 4000    | 80      | 8913             | 81    | 110             | None     | 0.67              | 0.29 |
| 2ST2L2050R     | 080083890583 | 5000    | 80      | 2360             | 20    | 116             | None     | 0.16              | 0.07 |
| 4ST2L4050R     | 080083890620 | 5000    | 80      | 4790             | 39.4  | 123             | None     | 0.32              | 0.14 |
| 8ST2L8050R     | 080083890644 | 5000    | 80      | 9412             | 81    | 117             | None     | 0.67              | 0.29 |
| 4ST2L4035R     | 080083890729 | 3500    | 80      | 4542             | 40    | 114             | None     | 0.33              | 0.14 |

## Accessories (Order Separately)

**AYC-Chain/Set**=36" Chain Hanger (Use 1 set per fixture)  
**HBAYC-CHAIN/SET/U**=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks  
**SCF**=Fixed Stem Set (Specify Length)  
**SCS**=Swivel Stem Set (Specify Length)  
**SCA**=Adjustable 48" Stem Set  
**TOGGLE**=Single Toggle No. 2 (Specify Length)

**BKYY18-063-120K**=Y Toggle No. 2 at 10 ft. long  
**EBPLED7W**=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack  
**EBPLED14W**=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack  
**WG/SNF-4FT-4**=Wireguard for 4 ft. ST1  
**WG/SSF-4FT-8**=Wireguard for 4 ft. ST2

## Product Specifications

## Construction

- Die formed post painted white steel construction
- Continuous row mount aligner included. U-bracket aligner type on ST2 models only
- Snap and lock tool-less channel cover for easy maintenance
- Powder coated white finish for a clean exterior
- Two channel widths: ST1 – 1.8" wide and ST2 – 3.6"
- Available sizes: 2ft, 4ft and 8ft lengths

## Electrical

- Universal voltage (120V-277V) non-dimming driver
- L70 at 50,000 rated life-hours (TM-21), or up to 20 years at 7 hrs/day
- 3500K, 4000K or 5000K CCT LEDs
- >80 CRI LEDs

## Emergency Battery Pack Option

- Field installed remote mount UNV battery pack available, 7 and 14 watts, ships separately
- Batteries provide 90 minutes of backup power
- Factory installed battery pack not available

## Shielding

- Classic single or double fluorescent tube exterior
- Impact resistant, UV-stabilized frosted polycarbonate lens
- Standard LED blended optics for wide area coverage up to 15' mounting
- ST1=single lens; ST2=double lens

## Installation

- Surface or suspended mount capable
- ST1 can be chain mounted using standard AYC chain-set
- ST2 uses HBAYC hanger or toggle mounting kits
- Channel and end knockouts (7/8") for conduit entry and continuous row
- Wire nuts and aligner included

## Compliance

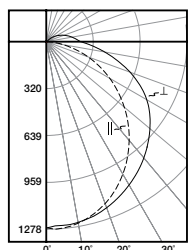
- UL/cUL listed for damp location
- Rated for 0F (-20C) to 104F (40C) ambient operating temperatures
- RoHS compliant
- LED complies with IESNA LM-79 and LM-80
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to [www.designlights.org](http://www.designlights.org) for details
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements

## Warranty

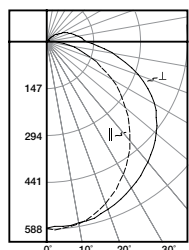
- Five year warranty

## Photometric Data

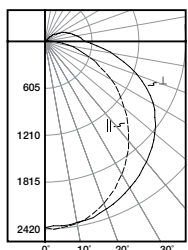
[View IES files](#)



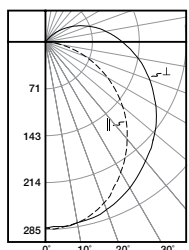
**4ST2L4040R**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.2 x mounting height,  
 (⊥) 1.32 x mounting height  
 Lumens: 4433  
 Input Watts: 39W  
 Efficacy: 113 lm/W  
 Test Report: 4ST2L4040R.IES



**4ST1L2040R**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.22 x mounting height,  
 (⊥) 1.36 x mounting height  
 Lumens: 2153  
 Input Watts: 19.7W  
 Efficacy: 109 lm/W  
 Test Report: 4ST1L2040R.IES



**8ST2L8040R**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.22 x mounting height,  
 (⊥) 1.36 x mounting height  
 Lumens: 8867  
 Input Watts: 78.2W  
 Efficacy: 113 lm/W  
 Test Report: 8ST2L8040R.IES



**2ST1L1040R**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.2 x mounting height,  
 (⊥) 1.35 x mounting height  
 Lumens: 1165  
 Input Watts: 9.8W  
 Efficacy: 119 lm/W  
 Test Report: 2ST1L1040R

## Energy and Performance Data

### Load Data

|                 | 2'      | 4'      | 8'    |
|-----------------|---------|---------|-------|
| PF              | 0.99    | 0.99    | 0.99  |
| THD% (min.)     | 11.6    | 11.7    | 10.6  |
| Weight          | 0.7/1.0 | 1.1/2.9 | 3.8   |
| Low Temp. Start | -20°C   | -20°C   | -20°C |

\*120V data.

### Shipping Data

| Catalog Base | Wt. | Unit per Pallet | Gross wt. Pallet |
|--------------|-----|-----------------|------------------|
| 2ST1         | .70 | 288             | 391              |
| 2ST2         | 1.0 | 180             | 267              |
| 4ST1         | 1.1 | 252             | 387.4            |
| 4ST2         | 2.9 | 150             | 612.6            |
| 8ST2         | 3.8 | 150             | 701.5            |

## Dimensional and Mounting Details

