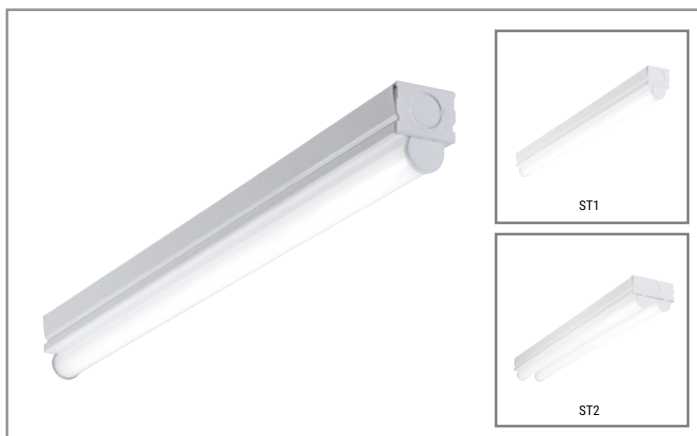


Project		Catalog #		Type	
Prepared by		Notes		Date	



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-B=Wireguard for 4 ft. ST1
WG/SSF-4FT-B=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

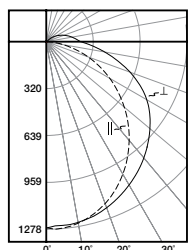
- UL/cUL listed for damp location
- Rated for 0F (-20C) to 104F (40C) ambient operating temperatures
- RoHS compliant
- LED complies with IESNA LM-79 and LM-80
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- Suitable for use in closet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

Warranty

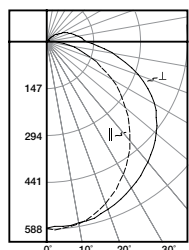
- Five year warranty

Photometric Data

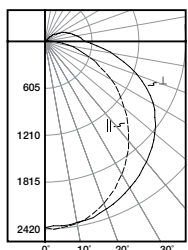
[View IES files](#)



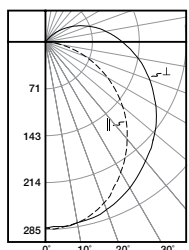
4ST2L4040R
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.2 x mounting height,
(⊥) 1.32 x mounting height
Lumens: 4433
Input Watts: 39W
Efficacy: 113 lm/W
Test Report: 4ST2L4040R.IES



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

