Project		Catalog #		Type	
Prepared by		Notes		Date	

ST1

ST2

Metalux

ST1, ST2

Single or Dual Lens LED Striplight

Typical Applications
New Construction • Retrofit

Interactive Menu
- Energy and Performance Data page 2
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- Product Warranty

Product Certification

Product Features

Top Product Features
- Ideal for replacing two or four lamp fluorescent strips
- Superior performance with lumens up to 9000 lumens and 115 lm/W
- Unique single or dual lens tube design
- Full length and standard width die formed channel: 1.8" and 3.5"

Features and Benefits

	Features	Benefits
Construction	Full length and standard width channel design	No painting required. Ideal for any retrofit LFL project
	Tool-less channel cover with integrated LEDs	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 115 lm/W, 4000K standard CCT	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
	Energy Star, 5-year limited warranty, 50K life hours at L70	Certified and guaranteed performance

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Performance Data

Catalog Number	UPC	CRI (Min)	Nominal CCT (K)	Nominal Lumens	Watts	Efficacy (lm/W)	Input current (A)	
							120V	277V
2ST1L1040R	080083242207	80	4000K	1200	11	109	0.09	0.04
2ST2L2040R	080083838172	80	4000K	2200	20	110	0.35	0.16
4ST1L2040R	080083838189	80	4000K	2200	20	110	0.35	0.16
4ST2L4040R	080083838196	80	4000K	4600	42	110	0.16	0.08
8ST2L8040R	080083838202	80	4000K	9000	78	115	0.70	0.35

Load Data

	2'	4"	8'
PF	0.99	0.99	0.99
THD% (min.)	11.6	11.7	10.6
Low Temp. Start	-20ºC	-20ºC	-20ºC

*120V data.

Shipping Data

Catalog Logic	Weight (lb)	Master Carton Qty	Pallet Qty	Gross Weight Pallet (lb)
2ST1	1.8	6	432	834
2ST2	2.5	6	240	699
4ST1	3.1	6	288	936
4ST2	4.6	6	180	819
8ST2	10.2	6	90	999

Accessories (Order Separately)

HBAYC-CHAIN/SET/U=(2) V-Hook Hangers for ST2 only, 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)
Y-TOGGLE-__-2PK=(2) Y-Toggle Cable Kits (Specify 10 or 30 for length in feet)
EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack
WG-SNX/SN-2FT-B-PK=2ft Wire Guard for ST1 or ST2
WG-SNX/SN-4FT-B=4ft Wire Guard for ST1 or ST2, Use (2) WG for 8ST2

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
- 120-277V electronic non-dimming driver, FCC part 15 Class B
- L70 at 50,000 rated life-hours (TM-21), or up to 20 years at 7 hrs/day
- 4000K CCT LEDs
- >80 CRI LEDs

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

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

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
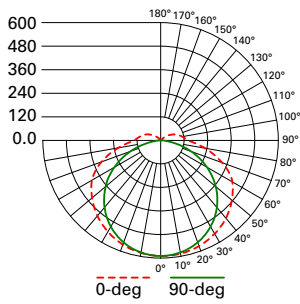- Wire nuts and aligner included

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
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements
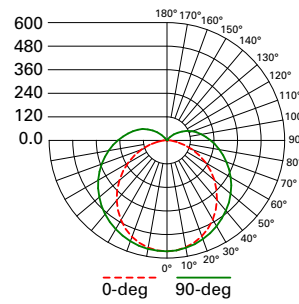
Limited Warranty
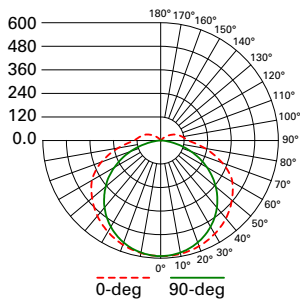- Five-year limited warranty

Photometric Data

4ST2L4040R

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.37 x mounting height, (⊥) 1.28 x mounting height

Lumens: 4600

Input Watts: 42W

Efficacy: 110 LPW

Test Report: 4ST2L4040R.IES

4ST1L2040R

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.23 x mounting height, (⊥) 1.34 x mounting height

Lumens: 2200

Input Watts: 20W

Efficacy: 110 LPW

Test Report: 4ST1L2040R.IES

2ST2L2040R

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.39 x mounting height, (⊥) 1.29 x mounting height

Lumens: 2210

Input Watts: 20W

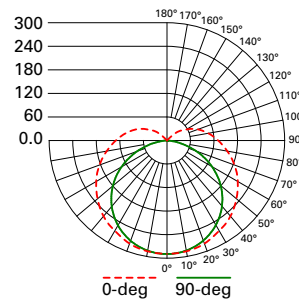Efficacy: 110 LPW

Test Report: 2ST2L2040R.IES

2ST1L1040R

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.38 x mounting height, (⊥) 1.28 x mounting height

Lumens: 1210

Input Watts: 11W

Efficacy: 109 LPW

Test Report: 2ST1L1040R.IES

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Dimensional and Mounting Details

2ST1

2-1/2" [63mm]

24" [610mm]

2-1/2" [63mm]

1-3/4" [45mm]

2-1/2" [63mm]

3-1/2" [90mm]

1-3/4" [45mm]

6" [142mm]   16" [406mm]

1-3/4" [45mm]

4" [94mm]

Ceiling Stand-off Embossment (2)

K.O (2) 7/8" [22mm]

12" [305mm]

24" [610mm]

2ST2

6" [145mm]   16" [406mm]   X

Ground Screw

3-1/2" [90mm]

3" [89mm]

Ceiling Stand-off Embossment (4)

K.O (2) 7/8" [22mm]

4" [94mm]

12" [305mm]

24" [610mm]

4ST1

2-1/2" [63mm]

48" [1220mm]

2-1/2" [63mm]

2-1/2" [63mm]

1-3/4" [45mm]

3-1/2" [90mm]

7-5/8" [194mm]   32" [813mm]   8-7/16" [213mm]

Ground Screw

1-7/8" [45mm]

2-5/8" [68mm]

24" [610mm]

K.O (3) 7/8" [22mm]

Ceiling Stand-off Embossment (2)

4" [101mm]

48" [1220mm]

4ST2

7-5/8" [193mm]   32" [813mm]   8-1/2" [215mm]

K.O (3) 7/8" [22mm]

3-1/2" [90mm]

3" [89mm]

24" [610mm]

Ground Screw

Ceiling Stand-off Embossment (4)

4" [101mm]

48" [1220mm]

8ST2

2-1/2" [63mm]

96" [2440mm]

2-1/2" [63mm]

3-1/2" [90mm]

16" [407mm]   64" [1626mm]   16" [407mm]

Ground Screw

3-1/2" [90mm]

X=4" [101mm]   X

26" [670mm]

Ceiling Stand-off Embossment (8)

K.O (5) 7/8" [22mm]

22" [569mm]

4" [101mm]

48" [1220mm]

96" [2440mm]

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