Project		Catalog #		Type	
Prepared by		Notes		Date	

4ST2L

2ST2L

Metalux

ST2 Striplight

Dimming and CCT selectable LED Striplight

Typical Applications

Commercial • Industrial • Retail • Residential

Interactive Menu

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Product Certification

UL CERTIFIED · DLC LISTED · RoHS COMPLIANT · damp location · ISO SYSTEMS CERTIFIED

Product Features

COLD START 0°F Standard Operating Temperature · 2 LAMP EQUIVALENT · LED INTEGRATED UNV 120/277V · DIMMABLE · seleCCTable colors

Top Product Features

- CCT Selectable options (3500/4000/5000K) option available
- Low voltage 0-10V dimming to 10%
- Superior performance with lumens up to 9000 lumen and 115 lm/W
- Dual lens tube with 3.5" wide channel design
- Ideal for replacing two or four lamp fluorescent strips

	Features	Benefits
Construction	Full length and standard width channel design	No painting required. Ideal for any retrofit fluorescent project
	Tool-less channel cover, integrated LEDs and access from below	Simple install and maintenance for life of product
	Continuous row mount aligner included	Add-on length as needed regardless of application or layout
Performance	Up to 9000 lumen and 115 lm/W	Replace up to 4 lamps for over 40% energy savings
	0-10V Dimming, 4000K standard	Additional energy savings and control
	DLC® compliant with 5-year warranty	Rebate eligible and certified for guaranteed performance
	CCT Selectable 3500/4000/5000K	Increase inventory turns; single SKU for multiple application

COOPER
Lighting Solutions

Order Information and Performance Data

Default CCT Setting: 4000K for Selectable SKU's

Catalog Number	UPC	CCT (K)	Min. CRI	Delivered lumens*	Watts*	Efficacy (lm/W)*	Controls	Input current (A)	
								120V	277V
2ST2L2040	080083150960	4000K	80	2228	19	117	0-10V Dimming	0.165	0.075
8ST2L8040	080083151004	4000K	80	9007	78	115	0-10V Dimming	0.65	0.29
2ST2L20SC3	080083241569	3500K	80	2233	19	117	0-10V Dimming	0.165	0.075
		4000K		2320		122			
		5000K		2258		119			
4ST2L40SC3	080083241583	3500K	80	4607	40	115	0-10V Dimming	0.34	0.15
		4000K		4760		119			
		5000K		4653		116			
8ST2L80SC3	080083242207	3500K	80	8679	76	114	0-10V Dimming	0.65	0.29
		4000K		9255		121			
		5000K		8912		117			

* For 120V

Factory Installed Mod Shop Option

Catalog	Emergency Battery Installed
4ST2L40SC3-___	**EL7**=7 Watt Emergency [2]
8ST2L80SC3-___	**EL14**=14 Watt Emergency [2]
8ST2L8040-___	**BSL310**=Bodine 10 Watt Emergency [2]

Load Data (120/277V data)

	2'	4'	8'
PF (min.) 120/277V	0.95/0.9	0.95/0.9	0.95/0.9
THD% (max.) 120/277V	10/20	10/20	10/20
Low Temp. Start 120/277V	-20 C	-20 C	-20 C

Accessories (Order Separately)

HBAYC-CHAIN/SET/U=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks
SCF=Fixed Stem Set (Specify Length) [1]
SCS=Swivel Stem Set (Specify Length) [1]
SCA=Adjustable 48" Stem Set [1]
TOGGLE=Single Toggle No. 2 (Specify Length) [1]
Y-TOGGLE-__-2PK=(2) Y-Toggle Cable Kits (Specify 10 or 30 for length in feet)
EBPLED7W=User Installed, 7 Watt LED Emergency Battery Pack [2]
EBPLED14W=User Installed, 14 Watt LED Emergency Battery Pack [2]
WG/SSF-4FT-B=Wireguard for 4 ft. ST2 (order two for 8ft. ST2)

Notes: (1) For stem, chain, and toggles, order two per fixture.
(2) For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens).

Shipping Data

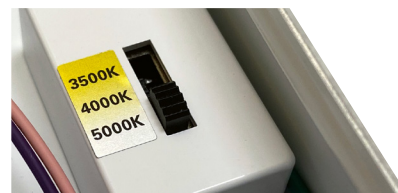| Catalog Base	Weight (lbs.)	Unit per Pallet	Gross wt. Pallet (lbs.)
2ST2	2.57	180	520
4ST2	4.91	159	809
8ST2	9.79	90	994

Product Specifications

Construction
- Die formed post painted white steel construction
- U-bracket continuous row mount aligner included
- Snap and lock tool-less channel cover for easy maintenance
- Powder coated white finish for a clean exterior
- Single channel width at 3.6" wide
- Available sizes: 2ft, 4ft and 8ft lengths

Electrical
- 120-277V electronic driver, FCC part 15 Class B at 120V and Class A at 277V
- Standard 0-10V low voltage dimming down to 10%
- LED and Light Engine
  - Dedicated 4000K CCT in 2ft and 8ft sizes
  - CCT Selectable option for maximum color flexibility: choose from 3500K, 4000K or 5000K
  - L70 at >50,000 hours (TM-21), over 23 years at 6 hrs/day
  - LED modules comply with IESNA LM-79 and LM-80 standards
- Purple and grey (pink) low voltage dimming leads required from 0-10V dimmer switch to fixture
- For Selectable SKU's Default CCT setting is 4000K

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 available via mod-shop

CCT selectable switch

Shielding
- Classic double fluorescent tube exterior for aesthetic
- Impact resistant, UV-stabilized frosted polycarbonate lens
- Standard LED blended optics for wide area coverage up to 15' mounting

Installation
- Surface or suspended mount capable
- Channel and end knockouts (7/8") for conduit entry and continuous row
- Wire nuts and aligner included

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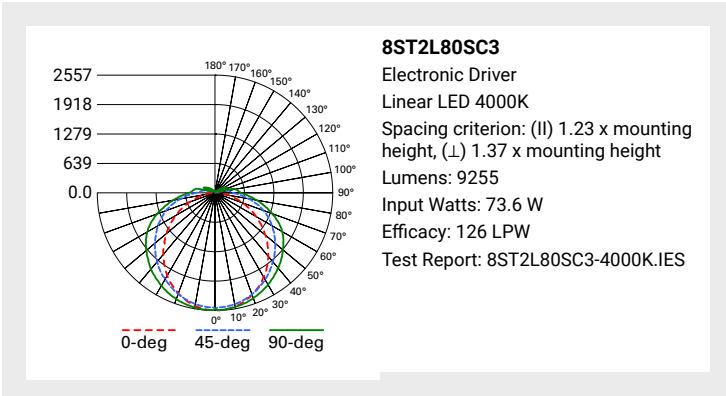- UL/cUL listed for damp location
- Rated for 0F (-20C) to 104F (40C) ambient operating temperatures
- RoHS compliant
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- Suitable for use in closet storage spaces when installed in accordance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

Limited Warranty
- Five-year limited warranty

Photometric Data

📌 **View IES files**

8ST2L80SC3
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.23 x mounting height, (⊥) 1.37 x mounting height
Lumens: 9255
Input Watts: 73.6 W
Efficacy: 126 LPW
Test Report: 8ST2L80SC3-4000K.IES

2557
1918
1279
639
0.0

0-deg   45-deg   90-deg

Dimensional and Mounting Details

2ST2

X=2" [51mm]
16" [406mm]
6" [145mm]
4" [94mm]
3-1/2" [90mm]
3" [59mm]
Ground Screw
7/8" [22mm] K.O (3)
Ceiling Stand-off Embossment (4)
12" [305mm]
24" [610mm]

4ST2

8" [193mm]
32" [813mm]
8" [214mm]
7/8" [22mm] K.O (3)
3-1/2" [90mm]
3-1/2" [89mm]
Ground Screw
Ceiling Stand-off Embossment (4)
4" [101mm]
24" [610mm]
48" [1220mm]

8ST2

X=2-1/2" [63mm]
96" [2440mm]
2-1/2" [63mm]
3-1/2" [90mm]
16" [407mm]
64" [1625mm]
16" [407mm]
Ground Screw
3-1/2" [90mm]
Y=4" [101mm]
22" [569mm]
Ceiling Stand-off Embossment (4)
7/8" [22mm] K.O (5)
22" [569mm]
Y=4" [101mm]
48" [1220mm]
96" [2440mm]