



LED Lighting Solution for Horizontal Multi-Deck Display Cases

DS Series

24"– 56" Length
Canopy Mount
Undershelf Mount

Product: _____
Fixture Type: _____
Location: _____
Contact Phone: _____
Contact e-mail: _____

PRODUCT SPECIFICATIONS

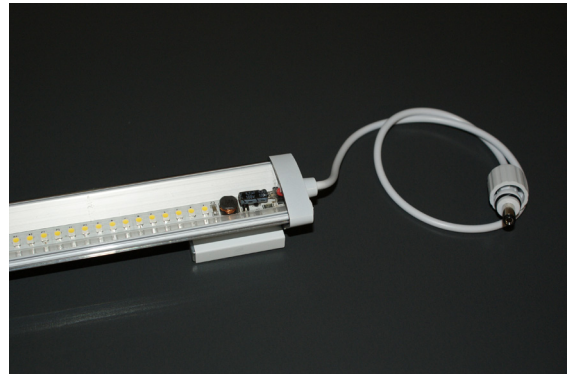
DS1.1, V2/11 (page 1 of 2)

Luminaire: Painted extruded metal housing with internal white reflector. Optional Mounts include Adjustable Tombstone Retrofit, Fixed Universal Mount, & Magnetic Universal Mount.

Lamp: Epistar or Nichia white light emitting diodes (SMD LEDs), 80 or 90 CRI.

Lens: Extruded clear plastic lens with integral optics 60 degrees (Canopy) or 120 degrees (Undershelf/Canopy).

Dimming Capable



APPLICATION

Primary applications include refrigerated & non-refrigerated display cases equipped with undershelf and canopy horizontal lighting. Use in lieu of traditional fluorescent lighting for significant energy and maintenance cost savings.

DOCUMENTATION

ETL Report #: Issued, Inquire

ETL Listing: Listed for Cases and Wet Locations

Labels: UL: Pending
Energy Star: Category Pending
U.S. Patent: Filed, Pending

Tests: Intertek LM79-08 Procedure
IP54 Wet Location Certified

Report number: Issued, Inquire

LIFE RATING

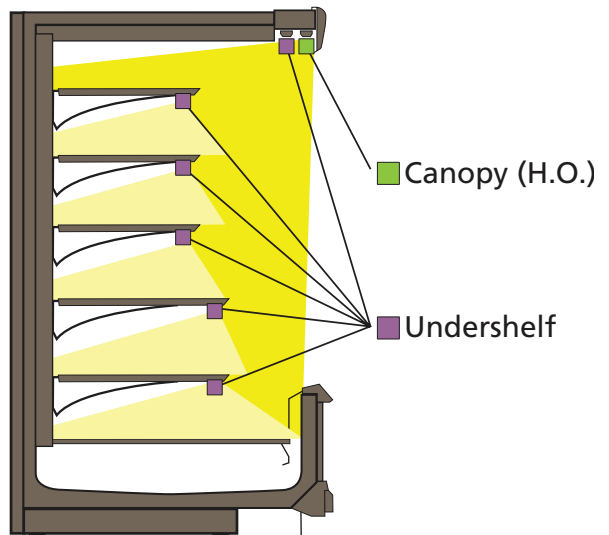
L70 Estimated Lifetime Rating: 50,000 hrs.

DRIVER (recommended)

1Source Part #: HR80L-24
24V DC, 3.3A, electronic, Class 2, 80-watts

DIMMING CONTROLLER (recommended)

1Source Part #: DC-24VDC
Ramp type: 100% to 15%
Typical 1.5 Watts in Dimmed State



IP54

1 Source LED • 622 Pinnacle Place, Livermore CA 94550
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LED Lighting Solutions The World Needs Now

DS Series LED Lighting Solution for Horizontal Multi-Deck Display Cases									
Model Number	Length	Description / Optics / Operating Voltage	Color Temp (K)**	Rated Life (L70)	CRI*** (Typical)	System Watts w/driver	Max Lumens	Efficacy (lpw)	
3000K Warm White	DS24-30K-(T,U,M)-(W,B,G)-60	2' (23")	Canopy - 60 Degree - 24VDC	3000K	50,000	75	8	520	65
	DS24-30K-(T,U,M)-(W,B,G)-120	2' (23")	Undershelf - 120 Degree - 24VDC	3000K	50,000	75	6	390	65
	DS36-30K-(T,U,M)-(W,B,G)-60	3' (35")	Canopy - 60 Degree - 24VDC	3000K	50,000	75	12	780	65
	DS36-30K-(T,U,M)-(W,B,G)-120	3' (35")	Undershelf - 120 Degree - 24VDC	3000K	50,000	75	9	585	65
	DS48-30K-(T,U,M)-(W,B,G)-60	4' (47")	Canopy - 60 Degree - 24VDC	3000K	50,000	75	16	1040	65
	DS48-30K-(T,U,M)-(W,B,G)-120	4' (47")	Undershelf - 120 Degree - 24VDC	3000K	50,000	75	12	780	65
	DS60-30K-(T,U,M)-(W,B,G)-60	5' (59")	Canopy - 60 Degree - 24VDC	3000K	50,000	75	20	1300	65
	DS60-30K-(T,U,M)-(W,B,G)-120	5' (59")	Undershelf - 120 Degree - 24VDC	3000K	50,000	75	16	1040	65
4100K Cool White	DS24-41K-(T,U,M)-(W,B,G)-60	2' (23")	Canopy - 60 Degree - 24VDC	4100K	50,000	75	8	640	72
	DS24-41K-(T,U,M)-(W,B,G)-120	2' (23")	Undershelf - 120 Degree - 24VDC	4100K	50,000	75	6	480	72
	DS36-41K-(T,U,M)-(W,B,G)-60	3' (35")	Canopy - 60 Degree - 24VDC	4100K	50,000	75	12	960	72
	DS36-41K-(T,U,M)-(W,B,G)-120	3' (35")	Undershelf - 120 Degree - 24VDC	4100K	50,000	75	9	720	72
	DS48-41K-(T,U,M)-(W,B,G)-60	4' (47")	Canopy - 60 Degree - 24VDC	4100K	50,000	75	16	1280	72
	DS48-41K-(T,U,M)-(W,B,G)-120	4' (47")	Undershelf - 120 Degree - 24VDC	4100K	50,000	75	12	960	72
	DS60-41K-(T,U,M)-(W,B,G)-60	5' (59")	Canopy - 60 Degree - 24VDC	4100K	50,000	75	20	1600	72
	DS60-41K-(T,U,M)-(W,B,G)-120	5' (59")	Undershelf - 120 Degree - 24VDC	4100K	50,000	75	16	1280	72



* Model Number To Specify Mounting Type (T=Tombstone Retrofit, U=Universal Mounting Clip, M=Magnet Mount) and Color (W=White, B=Black, G=Gray)

**The DS Series Display Shelf LED fixture can be custom ordered with High Performance Nichia 85-90 CRI LEDs, Please Inquire At Sales@1SourceLED.com.

***Additional CCT can be custom ordered: 2700K & 5500K, Please Inquire At Sales@1SourceLED.com.

LED Drivers • LED Dimming Controller • Multiplex Wiring Harness • Occupancy Sensor		
Model Number	Description	Dimensions
HR80L-24	Constant Voltage LED Driver - 80 Watt (120/240VAC Input, 24VDC Output)	11 1/8" (L) x 1 9/16" (W) x 1.093" (D)
DC-24VDC	Dimming Controller - 80 Watt (Ramping: 100 - 15% Normal Light Output)	5 1/8" (L) x 1 9/16" (W) x 1.00" (D)
MPLX-12x8-WHT	Multiplex Wiring Harness - 24VDC - White 12' Harness: Qty. 8 Water Tight Ports Spaced At 12.5"	Cord: 12' Total Length Ports: 1.00(L) x 1 5/16" (W) x 1 3/8" (D)

ACCESSORIES

TOMBSTONE RETROFIT	WIRING HARNESS	DRIVER	DIMMING CONTROLLER
 <p>Tombstone Retrofit Mount Utilizes Existing Push In Pedastal Style Tombstone/Sockets For Quick Installation</p>	 <p>1Source Part#: MPLX-12x8-WHT 24VDC MultiPlex Wiring Harness, 8 Port, Watertight Threaded Connections</p>	 <p>1Source Part#: HR80L-24 (recommended) 24VDC, 3.3A Electronic Class 2 UL Listed</p>	 <p>1Source Part#: DC-24VDC (recommended) Ramp type: 100% to 15% Typical 4.0 Watts in Dimmed State 24VDC, Class 2</p>