Cold Deck

LED lighting system for multi-deck cabinets

Cold Deck lighting system is designed to optimize visual appeal of produce, meat, and dairy cases (multi-deck merchandisers). Extends shelf life of perishables through reduced heat output.

- Eliminates the need to de-merchandise cases while upgrading
- Illuminates product facings with crisp, uniform light dispersion
- **Up to 77% energy savings compared with typical fluorescent fixtures**

Dongle – Powers lights through existing fluorescent lamp holders. Patent pending feature eliminates the need to de-merchandise.

Lamp holder bands – Attaches the dongle to the existing lamp holder.

Rare-earth magnets – Secures lights to shelves without the need to be mechanically affixed.

Stand-off clips – Snaps together to adapt to different canopy depths and angles.

Class 2 rating – Converts case to a low voltage system.

Specifications

Electrical

Input voltage	100-240 VAC
Output voltage	24 VDC, Class 2 low voltage

System power

	900 mm	*1200 mm*
Canopy	17 W	23 W
Shelf	6 W	8 W

Lighting

Illuminance	Canopy	1000 lux[1]
	Shelf	1800 lux[2]
Color temperature (CCT)	2700 K, 3500 K, 4000 K	
Color rendering (CRI)	85	

Performance

Ingress Protection	IP68 (highest dust and water protection)
Operating temperature	-25 °C to 50 °C
Life rating	100.000 hours (L_{70})[3]
Dimming	Optional Motion Sensing (see Cold Series Dimming Control data sheet)

Construction

Housing	Acrylic, impact modified with UV stabilization
Body color	White

Mounting

Canopy	Stand-off Clips (6 included)
Shelf	Magnetic or mechanical (screws not included)

Documentation

Warranty	5-year limited
Agency listings	UL Listed, UL (NSF/ANSI 2), CE
Files available	LM-79, LM-80, IES

Shelf   Canopy

Project Name/Location

Part Number

Notes#

Date

1 Canopy measured at 1350 mm from light.
2 Shelf measured at 300 mm from light.
3 Based on LED component manufacturer data.

SloanLED®
Leaders in LED Technology

Lighting Systems

UL LISTED · NSF/ANSI 2 · CE · RoHS Compliant

Ordering Information

Example: **701940-4WC4X1**

701940— ☐ ☐ ☐ ☐

Color Temperature

Code	Description
2W	2700 K
3W	3500 K
4W	4000 K

Type

Code	Description
C	Canopy
S	Shelf

Length

Code	Description
3	900 mm
4	1200 mm

Connection

Code	Description
x1	Dongles
x2	Flying Leads, one end
y2	Flying Leads, both ends

Power Supplies[1]

Description	Part Number
100 W, with Power Control	701895-24C

Dimming

Description	Part Number
Dimming Controller	701890-PWR
Occupancy Sensor, Standard[3]	400661
Occupancy Sensor, Wide[4]	400964

Accessories[2]

Description	Part Number
Stand-off Clip	401091
5 Clip Spanner Wrenches	401368-5
Small Terminal Block	401350
Large Terminal Block	401351

1 Single power supply can drive up to (4) canopy lights or (12) shelf lights.
2 (6) clips included with each canopy light to space by 13 mm or angle by 10°. Additional clips may be used to increase spacing and/or angle (see install guide). Additional clips may also be used to angle shelf lights if desired. Screws not included for fastening to non-magnetic shelves.
3 May require an L-bracket (not included) for mounting.
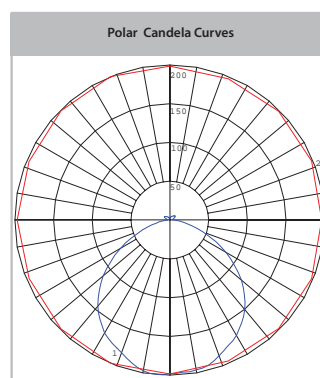4 Alternative for 400661. Cat 5 cabling to the sensor not included.

Photometrics

Canopy
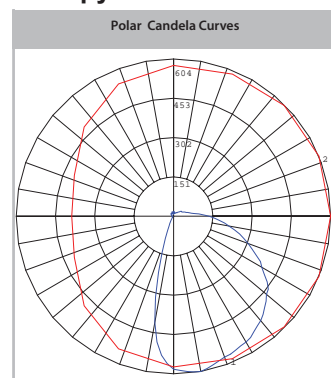
Vertical Plane Horizontal Cone

Shelf

Vertical Plane Horizontal Cone

Dimensions

weight = 0.34 kg (canopy), 0.29 kg (shelf)

	L	x	W	x	H
900 mm Canopy	865 mm	×	52 mm	×	50 mm
1200 mm Canopy	1170 mm	×	52 mm	×	50 mm

	L	x	W	x	H
900 mm Shelf	865 mm	×	23 mm	×	16 mm
1200 mm Shelf	1170 mm	×	23 mm	×	16 mm

Dongle versions shown.

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SloanLED Europe b.v.
Overslagweg 7 • 2645 EK Delfgauw • The Netherlands
Tel +31 88 12 44 900
SloanLED.eu • Europe@SloanLED.com

Cold Deck is covered by patents pending.

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