

# 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
	<b>Canopy</b>	17 W	23 W
	<b>Shelf</b>	6 W	8 W

#### Lighting

Illuminance	Canopy	1000 lux <sup>1</sup>
	Shelf	1800 lux <sup>2</sup>
Colour	2700 K, 3500 K, 4000 K CCT	
Colour rendering	85 CRI	

#### Performance

Ingress Protection	IP68 (highest dust and water protection)
Operating temperature	-25 °C to 50 °C
Life rating	100,000 hours (L <sub>70</sub> ) <sup>3</sup>
Dimming	Optional Motion Sensing (see Cold Series Dimming Control data sheet)

#### Construction

Housing	Acrylic, impact modified with UV stabilization
Body colour	White

#### Mounting

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

#### Documentation

Warranty	5 year limited
Agency listings	UL (NSF/ANSI 2), CE, DesignLights Consortium® (DLC), RoHS
Files available	LM-79, LM-80, IES

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

### Interior

Downlighting



Shelf

Canopy

#### Project Name/Location

#### Part Number

#### Notes#

#### Date



Lighting Systems



## Ordering Information

Example: 701940-4WC4X1

701940 —    X1

### Colour 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

### Power Supplies<sup>1</sup>

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

### Dimming

Description	Part Number
Dimming Controller	701890-PWR
Occupancy Sensor, Standard <sup>3</sup>	400661
Occupancy Sensor, Wide <sup>4</sup>	400964

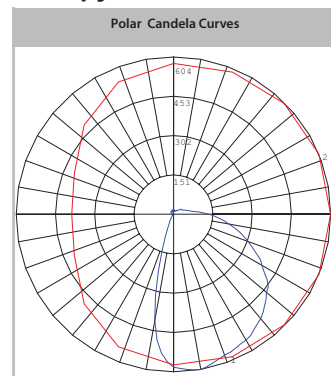
### Accessories<sup>2</sup>

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

- Single power supply can drive up to (4) canopy lights or (12) shelf lights.
- (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.
- May require an L-bracket (not included) for mounting.
- Alternative for 400661. Cat 5 cabling to the sensor not included.

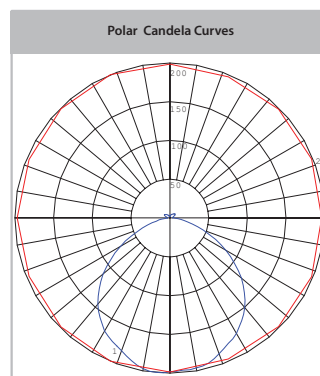
## Photometrics

### 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 x 52 mm x 50 mm  
 1200 mm Canopy 1170 mm x 52 mm x 50 mm



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

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