



# Extreme Environments

## Cold-Pak® Emergency Lighting

The Philips Bodine Cold-Pak and Compact Cold-Pak Emergency Ballasts

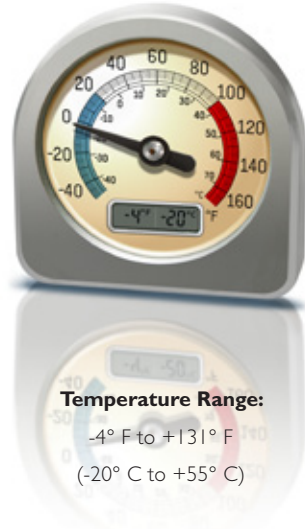
**PHILIPS**  
**bodine**

Cold-Pak® Extended-Temperature Fluorescent Emergency Ballasts provide emergency lighting under harsh conditions.

How low does your emergency ballast go? Philips Bodine **Cold-Pak®** emergency ballasts provide reliable, code-compliant emergency lighting in environments with temperatures as extreme as 20 below! \*

\* -4° F / -20° C

# Don't Be Left in the Cold.



Philips Emergency Lighting offers **Cold-Pak®** models for linear and compact applications. The **B50Cold-Pak** is compatible with linear lamps, while the **B4CF1**, **B4CF2** and **B4CF3** operate compact lamps.

### Ideal for Outdoor Egress

Areas subject to cold and/or damp conditions are often included in a building's path of egress and, therefore, are required by code to be covered by an emergency lighting system. The focus on emergency lighting for outdoor egress has increased in recent years. Codes, code enforcement officials and those involved in building design are increasingly attentive to it. **Cold-Pak** emergency ballasts take the worry out of meeting code and allow users to provide emergency lighting wherever it's needed.



Recommended uses for the Cold-Pak include cold storage facilities, exterior stairways, food processing plants, outdoor canopies and parking garages. **B4CF1**, **B4CF2** and **B4CF3** are ideal for bollards, downlights and sconces.





**Cold-Pak®** emergency ballasts work in conjunction with an AC ballast to convert new or existing fixtures into unobtrusive emergency lighting.

## Application

**Cold-Pak** fluorescent emergency ballasts are suitable for use in indoor, unheated outdoor and damp locations. The **B50Cold-Pak**, **B4CF1** and **B4CF3** may also be used in sealed & gasketed fixtures.

**Cold-Pak** models – linear and compact – provide emergency lighting for applications subject to extreme conditions. These may include cold storage facilities, parking garages, outdoor canopies and exposed or partially exposed walkways leading to a public way. Because of their compact footprint, the **B4CF1**, **B4CF2** and **B4CF3** are a perfect choice for bollard, downlight and sconce fixtures common in outdoor egress lighting.

## Operation

**Cold-Pak** emergency ballasts work in conjunction with an AC ballast to convert new or existing fixtures into unobtrusive emergency lighting. During an AC power failure, the **Cold-Pak** unit immediately switches to emergency mode. The **B50Cold-Pak** operates one or two lamps in emergency mode for a

minimum of 90 minutes with up to 1200 lumens initial light output. **B4CF1**, **B4CF2** and **B4CF3** each operate one lamp in emergency mode for a minimum of 90 minutes with up to 1250 lumens.

## ELC: End-of-Lamp-Life Compatibility

Compact **Cold-Pak** emergency ballasts feature patented Philips Bodine ELC technology and are therefore compatible with end-of-lamp-life (EOL) circuitry in AC ballasts. The Philips Bodine ELC circuit was developed to eliminate nuisance AC ballast shutdown problems that often occur as a result of the EOL circuit mistaking the transition from emergency to AC power as an end-of-lamp-life condition. The ELC circuit in our emergency ballasts delays AC ballast operation for approximately three seconds upon restoration of AC power. This delay ensures that the EOL circuit cannot “see” the transition. Because it cannot see the transition, it cannot misinterpret the transition, and false tripping of the EOL circuit is avoided.

Model	Lumen Output	Lamps Operated	Wattage	Type of Lamps Operated	Ballast Dimensions (L x W x H)	Conduit
B50Cold-Pak	850 - 1200	1 2	17 - 215 W 17 - 40 W	(2'-8') T8, T9, T10 or T12	13.3" X 2.4" X 1.5" (339 mm X 60 mm X 38 mm)	No
B4CF1	700 - 1250	1	13 - 42 W	(4-pin) twin, quad or triple twin-tube; T5 circline; long compact	9.4" X 2.6" X 1.5" (238 mm X 67 mm X 38 mm)	No
B4CF2	700 - 1250	1	13 - 42 W	(4-pin) twin, quad or triple twin-tube; T5 circline; long compact	9.9" X 2.6" X 1.5" (251 mm X 67 mm X 38 mm)	Yes
B4CF3	700 - 1250	1	13 - 42 W	(4-pin) twin, quad or triple twin-tube; T5 circline; long compact	6.0" X 5.5" X 1.6" (153 mm X 140 mm X 41 mm)	No

All models are UL Listed and CSA Certified.



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Document order number: L0000050

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