



Polar Bay T8/T5

DESCRIPTION

Polar Bay's full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure, positioning rotating collars.

APPLICATION

The Polar Bay Enclosure is IP66 and IP67 rated, dust and moisture-resistant (high volume hose tested), making it ideal for harsh environments where humidity or moisture is present.

Primary applications include the following:

- Food Processing Facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking Garages
- Gas Stations
- Government Facilities
- Industrial Facilities
- Exterior Retail

REFLECTOR OPTICS

The superior beam spread optics are ideal for an open area, general lighting. The Polar Bay comes standard with a white channel cover (WA), and it is available using a specular aluminum (SA) Miro®4 Reflector, which has a 25 year warranty.

ELECTRICAL

All ballasts are Class P rated and UL/cUL Listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts, as well as NEMA Premium and CEE qualified.

FINISH

The finish is white with fiberglass housing.



ARRA Qualified

Polar Bay T8 & T5 Series

MAINTENANCE

No tools required for lamp and ballast access.

INSTALLATION

Luminaire comes with V-Hooks.

WARRANTY

One year limited warranty against defects in manufacturing. Visit tcpi.com for extension options.

LISTING

- UL/cUL Listed
- NSF International
- U.S.D.A.
- RoHS Compliant
- NEMA 4X
- IP66 and IP67 Certified



Product Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PL4 - 4' Polar Bay	SA - Medium Distribution WA - Wide Distribution	4	28 - (T8 28W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start) DIM - (Dimming)	(See Below)
		6	32 - (T8 32W)	347	N - (T8 Normal)		
			54 - (T5HO 54W)	480 - T5 only 480X - Step Down 480Y - Step Down for 6 Lamp T5	L - (T8 Low) V - (T5HO)		

OPTIONS (Add to catalog number in order shown)

- 1 Power Cords**
 6C - 6' PCord 300V 16/3 SJTOW NO PLUG
 6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
 2P - 8' PCord 125V 15A 16/3 SJTOW NEMA 5-15P
 3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
 8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
 9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
 4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
 10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
 10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
 10C - 10' PCord 277V SJTOW NO PLUG
 10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
 20C - 20' PCord 277V 20A 16/3 SJTOW NO PLUG
 20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- 2 Occupancy Sensors**
 OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 120V-277V
 OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 120V-277V
 OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V
 OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 347V-480V
 Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.
- 3 Emergency Ballasts**
 20B1 - TCP 450 LMS 90 min (T8)
 20B6 - TCP 700 LMS 90 min (T8)
 20B5 - TCP 1400 LMS 90 min (T8 or T5)
 20BL5 - TCP 800 LMS 90 min (T5)
 20BL6 - TCP 1350 LMS 90 min (T5)
 Emergency Ballast Notes:
 Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- 4 Lamps Installed in Job Pack**
 830 - T5 and T8 Lamps
 835 - T5 and T8 Lamps
 841 - T5 and T8 Lamps
 850 - T5 and T8 Lamps
 865 - T5 Lamps Only
- 5 Special Packaging**
 SP - Single Packed
 † If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price for the desired lamp and/or ballast.

AVAILABLE HANGING KITS (ordered separately)

- TCPYH00KX10FT - Y-Hook 10-Foot Hanging Kit
- TCPYH00KX20FT - Y-Hook 20-Foot Hanging Kit
- LHKIT - Single Point Hook Mounting Kit complete
- PLSURFMOUNT - Surface mount bracket for Polar Bay; order (2) per luminaire

Mounting
Supplied with a stainless steel mounting bracket



Polar Bay T8/T5

DESCRIPTION

Polar Bay's full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure, positioning rotating collars.

APPLICATION

The Polar Bay Enclosure is IP66 and IP67 rated, dust and moisture-resistant (high volume hose tested), making it ideal for harsh environments where humidity or moisture is present.

Primary applications include the following:

- Food Processing Facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking Garages
- Gas Stations
- Government Facilities
- Industrial Facilities
- Exterior Retail

REFLECTOR OPTICS

The superior beam spread optics are ideal for an open area, general lighting. The Polar Bay comes standard with a white channel cover (WA), and it is available using a specular aluminum (SA) Miro®4 Reflector, which has a 25 year warranty.

ELECTRICAL

All ballasts are Class P rated and UL/cUL Listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts, as well as NEMA Premium and CEE qualified.

FINISH

The finish is white with fiberglass housing.



ARRA Qualified

Polar Bay T8 & T5 Series

MAINTENANCE

No tools required for lamp and ballast access.

INSTALLATION

Luminaire comes with V-Hooks.

WARRANTY

One year limited warranty against defects in manufacturing. Visit tcpi.com for extension options.

LISTING

- UL/cUL Listed
- NSF International
- U.S.D.A.
- RoHS Compliant
- NEMA 4X
- IP66 and IP67 Certified



Product Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PL4 - 4' Polar Bay	SA - Medium Distribution WA - Wide Distribution	4	28 - (T8 28W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start) DIM - (Dimming)	(See Below)
		6	32 - (T8 32W)	347	N - (T8 Normal)		
			54 - (T5HO 54W)	480 - T5 only 480X - Step Down 480Y - Step Down for 6 Lamp T5	L - (T8 Low) V - (T5HO)		

OPTIONS (Add to catalog number in order shown)

- 1 Power Cords**
 6C - 6' PCord 300V 16/3 SJTOW NO PLUG
 6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
 2P - 8' PCord 125V 15A 16/3 SJTOW NEMA 5-15P
 3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
 8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
 9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
 4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
 10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
 10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
 10C - 10' PCord 277V SJTOW NO PLUG
 10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
 20C - 20' PCord 277V 20A 16/3 SJTOW NO PLUG
 20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- 2 Occupancy Sensors**
 OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 120V-277V
 OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 120V-277V
 OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V
 OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 347V-480V
- 3 Emergency Ballasts**
 20B1 - TCP 450 LMS 90 min (T8)
 20B6 - TCP 700 LMS 90 min (T8)
 20B5 - TCP 1400 LMS 90 min (T8 or T5)
 20BL5 - TCP 800 LMS 90 min (T5)
 20BL6 - TCP 1350 LMS 90 min (T5)
- 4 Lamps Installed in Job Pack**
 830 - T5 and T8 Lamps
 835 - T5 and T8 Lamps
 841 - T5 and T8 Lamps
 850 - T5 and T8 Lamps
 865 - T5 Lamps Only
- 5 Special Packaging**
 SP - Single Packed

AVAILABLE HANGING KITS (ordered separately)

- TCPYH00KX10FT - Y-Hook 10-Foot Hanging Kit
- TCPYH00KX20FT - Y-Hook 20-Foot Hanging Kit
- LHKIT - Single Point Hook Mounting Kit complete
- PLSURFMOUNT - Surface mount bracket for Polar Bay; order (2) per luminaire

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

Mounting
Supplied with a stainless steel mounting bracket

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price for the desired lamp and/or ballast.