

Protect-O-Sleeves

For Fluorescent Tubes

Applications

- Reusable Protect-O-Sleeves encase existing fluorescent tubes to insulate and improve lighting efficiency at low temperatures.
- High tensile, polycarbonate strength protects people, equipment, and products.
- Available for applications requiring ultra-violet light filtering such as museums, department stores, and art galleries, where fluorescent lighting can deteriorate materials.

Features

- Furnished with end caps that fit snugly between lamp and sleeve.
- Insulates lamps up to 2.5 times at 20 °F/-6 °C.
- Accommodates lamps up to 800 milliamps ❶.
- For use up to 100 °F/38 °C ambient temperature.
- Most T-8 and T-12 versions available in colors.

Certifications and Compliances

- Meets OSHA safety requirements



2260 (T-12)



2270 (T-8)



2546 (T-5)

T-5 Clear Protect-O-Sleeves ❷

Lamp Type	Nominal Lamp Length Inches/Millimeters	Catalog Number for Sleeve with 2 Caps for T-5 Diameter Lamps	Box Quantity
F-14	22/558.8	2522	48
F-21	34/863.6	2534	24
F-28	46/1168.4	2546	24

T-8 and T-12 Clear Protect-O-Sleeves ❶

Lamp Type	Nominal Lamp Length Inches/Millimeters	Catalog Number for Sleeve with 2 Caps for T-12 Diameter Lamps	Catalog Number for Sleeve with 2 Caps for T-8 Diameter Lamps	Box Quantity
F-15	18/457.2	—	2270	24
F-20	24/609.6	2268	2278	24
F-30	36/914.4	—	2271	24
F-32	48/1219.2	—	2295	24
F-36	36/914.4	2269	—	24
F-40	48/1219.2	2260	—	24
F-40	60/1524.0	—	2286	24
F-48	46/1168.4	2261	—	24
F-60	60/1524.0	2276	—	24
F-72	72/1828.8	2262	2272	24
F-96	96/2438.4	2263	2273	24

❶ No. 2285 heat sink screens must be used with T-8 and T-12 800-milliamp maximum HO lamp bases. Two heat sink screens required per sleeve (one at each end between lamp and sleeve). HO lamps create excessive heat at the ends. The open metal mesh of the heat sink screens spreads the excess heat over a larger area to help eliminate deterioration of the sleeve. **NOT for use with VHO lamps.**

❷ **NOT for use with HO or VHO lamps.**

Protect-O-Sleeves

For Fluorescent Tubes

Colored Protect-O-Sleeves ❶

Lamp Type	Catalog Numbers for Sleeve with 2 Caps					Box Quantity
	Blue	Green	Pink	Red	Yellow	
F-32, T-8	2295-B	2295-G	2295-P	2295-R	2295-Y	12
F-40, T-12	2260-B	2260-G	2260-P	2260-R	2260-Y	12
F-48, T-12	2261-B	2261-G	2261-P	2261-R	2261-Y	12
F-72, T-12	2262-B	2262-G	2262-P	2262-R	2262-Y	12
F-96, T-8	2273-B	2273-G	2273-P	2273-R	2273-Y	12
F-96, T-12	2263-B	2263-G	2263-P	2263-R	2263-Y	12

Accessories and Replacement Parts

	Catalog Number
Universal end cap for T-5, 2500 series	2508
Universal end cap for T-12, 2260 series	2265
Heat sink screen for HO lamp bases	2285 ❶
Universal end cap for T-8, 2270 and 2295 series sleeves produced prior to 8-1-97	2274
Universal end cap for T-8, 2270 and 2295 series sleeves produced after 8-1-97	2279

❶ No. 2285 heat sink screens must be used with T-8 and T-12 800-milliamper maximum HO lamp bases. Two heat sink screens required per sleeve (one at each end between lamp and sleeve). HO lamps create excessive heat at the ends. The open metal mesh of the heat sink screens spreads the excess heat over a larger area to help eliminate deterioration of the sleeve. **NOT for use with VHO lamps.**

Protect-O-Tubes For Fluorescent Tubes

Applications

- Protect-O-Tubes offer convenient and environmentally safe lighting for food, drug, and related industries.

Features

- Complete fluorescent lighting unit
- Adhesively attached end caps provide added safety for glass containment.
- Air space between the lamp and sleeve acts as a cushion and helps to protect the tube from breakage and diffuses heat.
- Improves light transmission and provides longer lamp life.
- For use up to 100 °F/38 °C ambient temperature.
- Available in T-8 or T-12 versions.

Standard Finish

- Lighting unit: polycarbonate sleeve, lamp, and end caps
- End caps: polypropylene

Certifications and Compliances

- Approved for use by the USDA and satisfying the requirements of OSHA and FDA
- Meets safety requirements



Lamp Type	Lamp Base	Nominal Lamp Length Inches/Millimeters	Catalog Number of Sleeve, Lamp, and End Caps	Box Quantity
F-15/T-8/SPX35	Med. Bi-pin	18/457.2	4230	24
F-32/T-8/SP35	Med. Bi-pin	48/1219.2	4231	24
F-32/T-8/SPX35	Med. Bi-pin	48/1219.2	4232	24
F-32/T-8/SP41	Med. Bi-pin	48/ 1219.2	4233	24
F-32/T-8/SPX41	Med. Bi-pin	48/ 1219.2	4234	24
F-40/T-12/CW/RS/WM	Med. Bi-pin	48/ 1219.2	4261	24
F-40/T-12/LW/RS/WM	Med. Bi-pin	48/ 1219.2	4262	24
F-40/T-12/SPX35	Med. Bi-pin	48/ 1219.2	4265	24
F-40/T-12/D	Med. Bi-pin	48/ 1219.2	4266	24
F-40/T-12/WW	Med. Bi-pin	48/ 1219.2	4269	24
F-48/T-12/LW/WM	Single-pin	48/ 1219.2	4263	24
F-48/T-12/CW/HO	Recessed Double Contact	48/ 1219.2	4264 ①	24
F-72/T-12/SPX35	Single-pin	72/1828.8	MCG4250	12
F-96/T-12/D	Single-pin	96/2438.4	4281	12
F-96/T-12/CW/HO/WM	Recessed Double Contact	96/ 2438.4	4283 ①	12
F-96/T-12/CW/WM	Single-pin	96/ 2438.4	4284	12
F-96/T-12/D/WM	Single-pin	96/ 2438.4	4285	12
F-96/T-12/WW	Single-pin	96/ 2438.4	4286	12
F-96/T-12/LW/HO/WM	Recessed Double Contact	96/ 2438.4	4287 ①	12
F-96/T-12/LW/WM	Single-pin	96/ 2438.4	4288	12
F-96/T-12/SP65/HO	Recessed Double Contact	96/ 2438.4	4289 ①	12
F-96/T-12/SP41/HO	Recessed Double Contact	96/ 2438.4	4290 ①	12

Note: Availability of lamp types shown above may be affected by the implementation of the Energy Policy Act of 1992.

① Two heat sink screens are furnished with all HO lamp styles to help eliminate excessive heat at the ends of the lamps.

Tubeloc Holders

Applications

- Securely position and hold tubes in fluorescent fixtures

Features

- Shock resistant
- Styles to fit most fluorescent lamps in use today

Standard Finish

- Holders: shock resistant nylon

Certifications and Compliances

- UL Listed: E59240
- UL Standard: 1598
- CSA Certified: LL36636
- CSA Standard: C22.2



M180

	Description	Catalog Number
	T-8 and T-12 Bi-pin, 14-40 Watts	M175
	T-12 Recessed double contact; Slimline single-pin; medium bi-pin; T-17 power groove with recessed double contact base (3/4"/19.1 mm dia. plunger)	M176
	T-17 Bi-pin mogul base	M180

Lamp Protection

Protect-O-Globes

For Incandescent Bulbs

Applications

- Protect lamps and the working environment with economical polycarbonate globes that are virtually unbreakable.
- Ideal for the replacement of glass and wire guard combinations where incandescent or HID lamps are used in vandal-proof applications.

Features

- Various styles, sizes, and colors available.
- Prismatic globes provide lateral light diffusion.
- Smooth globes reduce operating temperatures, amplify light source.
- Accommodates up to 150 Watts maximum, base-up operation.

Certifications and Compliances

- Meets OSHA requirements



1500-C



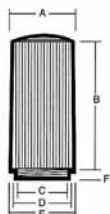
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3316

Description	Color	Finish	Thread Diameter In/mm	Globe Dimensions Inches/Millimeters – W x L	Maximum Wattage	Catalog Number
Globes						
8-1/4"/209.6 mm cylinder	Clear	Prismatic	3-1/4"/82.6	3-1/2 x 8-1/4/88.9 x 209.6	60	0134CP ①
8-1/4"/209.6 mm cylinder	Clear	Smooth	3-1/4"/82.6	3-1/2 x 8-1/4/88.9 x 209.6	60	0134CS ①
8-5/16"/211.1 mm cylinder	Clear	Smooth	4-1/4"/108.0	4-3/4 x 8-5/16/120.7 x 211.1	150	1500-C
6-1/4"/158.8 mm bullet	Clear	Smooth	3-1/4"/82.6	3-3/4 x 6-1/4/95.3 x 158.8	60	0603CS ①
6-1/4"/158.8 mm bullet	Green	Smooth	3-1/4"/82.6	3-3/4 x 6-1/4/95.3 x 158.8	60	0603GS ①
6-1/4"/158.8 mm bullet	Red	Smooth	3-1/4"/82.6	3-3/4 x 6-1/4/95.3 x 158.8	60	0603RS ①
6-1/4"/158.8 mm bullet	Amber	Smooth	3-1/4"/82.6	3-3/4 x 6-1/4/95.3 x 158.8	60	0603AS ①
6-1/4"/158.8 mm cylinder	Clear	Smooth	3-1/4"/82.6	3-1/2 x 6-1/4/95.3 x 158.8	60	0604CS ①
6-1/4"/158.8 mm cylinder	Clear	Smooth	3-3/16"/81.0	3-23/32 x 6/94.5 x 152.4	75	0752-C
6-1/4"/158.8 mm cylinder	Green	Smooth	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604GS ①
6-1/4"/158.8 mm cylinder	Red	Smooth	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604RS ①
6-1/4"/158.8 mm cylinder	Amber	Smooth	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604AS ①
6-1/4"/158.8 mm cylinder	Clear	Prismatic	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604CP ①
6-1/4"/158.8 mm cylinder	Clear	Prismatic	3-3/16"/81.0	3-23/32 x 6/94.5 x 152.4	75	0752-P
6-1/4"/158.8 mm cylinder	Green	Prismatic	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604GP ①
6-1/4"/158.8 mm cylinder	Red	Prismatic	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604RP ①
6-1/4"/158.8 mm cylinder	Amber	Prismatic	3-1/4"/82.6	3-1/2 x 6-1/4/88.9 x 158.8	60	0604AP ①
Bases						
Yellow plastic base for use with 0752-C/P globes			3-3/16"/81.0	3-7/16 x 1-5/8/87.4 x 41.4	75	3316
Yellow plastic base for use with 1500-C globe			4-1/4"/108.0	3-7/16 x 1-5/8/87.4 x 41.4	150	4014

Dimensions



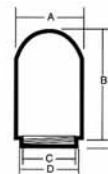
- A - 3-1/2"/88.9 mm
- B - 7-1/2"/190.5 mm
- C - 3.0"/76.2 mm
- D - 3-1/4"/82.6 mm
- E - 3-3/4"/95.3 mm
- F - 1/2"/12.7 mm

Cylinder Prismatic



- A - 3-1/2"/88.9 mm
- B - 5-1/2"/139.7 mm
- C - 3.0"/76.2 mm
- D - 3-1/4"/82.6 mm
- E - 3-3/4"/95.3 mm
- F - 1/2"/12.7 mm

Cylinder Smooth



- A - 3-3/4"/95.3 mm
- B - 5-1/2"/139.7 mm
- C - 3.0"/76.2 mm
- D - 3-1/4"/82.6 mm
- E - 1/2"/12.7 mm

Bullet Smooth

① Can be used with McGill Incandescent and Fluorescent Utility Lights.

Wire Lamp Guards and Wire Lamp Guard Grounding Kit

Wire Lamp Guards

Applications

- Wire lamp guards with universal collars help prevent breakage and theft.

Features

- A wide variety of types and sizes is available to fit your diverse needs.
- Heavy-duty, 10 or 12 gauge, zinc-plated construction ensures long life.
- Easy to install.
- Vinyl coated versions available.
- Rust-resistant zinc plating with chromate finish.
- Clamp type guards for vapor-tight fixtures available.
- Spot welded steel wire ensures long life.

Certifications and Compliances

- Meets OSHA requirements

Wire Lamp Guard Grounding Kit









Application

- To ensure that your lamps are grounded, and comply with NEC and OSHA requirements, the grounding kit supplies a metal fastener and 1'/0.3 m wire to connect wire lamp guards to a grounding circuit.


Certifications and Compliances

- Meets OSHA requirements
- Meets NEC requirements

Wire Lamp Guards

	Description	Collar Diameter Inches/Millimeters	Catalog Number	
			for 100 W Bulb	for 200 W Bulb
	GRIPON guards with out reflectors	1.50/38.1	2100-2100-A	2200-2200-A
	Vinyl coated GRIPON guards with out reflectors	1.50/38.1	V-2100BULK	V-2200BULK
	PROTECTOR "O" guards; open bottom heavy-duty	1.50/38.1	1433	1434
	Vinyl coated PROTECTOR "O" guards	1.50/38.1	V-1433	V-1434
	Trap only to close bottom of 1433 and 1434	—	2932	2933
	Closed bottom wall and receptacle lamp guards	3.50/88.9	1438	—
	Cage for utility light ❶	3.50/88.9	1435-6	—
	Guards for PAR and R-38 lamps	1.69/0.51 — 2.63/0.8	1438-1	—
	Guards for vapor-tight fixtures	3.75/1.14 (1435-1)	1435-1	1435-3 ❷

Wire Lamp Guard Grounding Kit

	Description	Catalog Number
	Grounding Kit	9995

❶ See McGill Incandescent and Fluorescent Utility Lights. Plastic cages available, see McGill String-O-Lights.
 ❷ 300 Watt type PS25 lamp only.