

# **SILIKROME®**

**Colored silicone filters for  
miniature incandescent lamps**



**APM HEXSEAL**

# SILIKROME® Color Filters: The Lamp Colorizing Alternative



**T**ake any clear miniature incandescent lamp, slip on a SiliKrome® filter, and presto — instant color. Made in the U.S.A., these lightweight silicone rubber boots not only make standard lamps transmit any color you want, they make them work harder and last longer, providing new flexibility, reliability and economy for lighting applications.

**Full Range of Colors and Sizes.** SiliKromes® come in a rainbow of in-stock colors. Also available, custom-molded to meet specific color intensity and transmission specifications for every lighting and mounting application.

**Interchangeable, Reusable.** Eliminate colored lamp inventories by using SiliKromes® again and again. If a lamp burns out, replace with a new clear lamp

and *reuse* the same SiliKrome® filter. To change color, just peel off the old filter and replace with the color SiliKrome® you need. (*And keep the original for future use.*)

**Installs Anywhere, Any Time.** SiliKromes® slip on instantly, without special tools. Unlike ceramic filters, lightweight SiliKromes® need no special mounting hardware ... an extra savings in size, weight and cost.

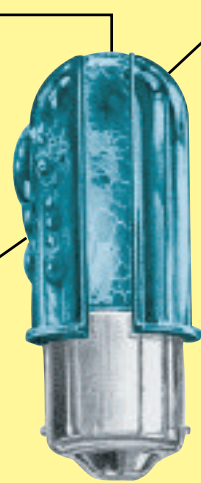
**Non-Breakable.** SiliKromes® operate without color fade or elastomer degradation from -160°F to +575°F for over 10,000 hours. Other filters simply can't take high heat without melting, cracking, fading or discoloring.

**Shockmounting "Bonus."** Resilient SiliKromes® cushion lamps against shock and vibration.

## The SILIKROME® Advantage

Paint applied to glass can chip, crack, or peel and it does not offer any containment protection against shattering.

Conventional plastic filters are susceptible to melting and discoloration due to fading.



SILIKROME® colored silicone rubber lamp filters won't chip, crack, melt, peel or fade. They remain colorfast and pliant even after 10,000 hours at -160°F to +575°F. SILIKROMES® cushion lamps against shock and vibration. Strong enough to contain broken glass in the event of bulb shattering, SILIKROMES® also serve as a heat sink, extending lamp life up to 6%.

### Light Leakage Protection.

SiliKromes® are also available as completely sealed units to solve the special light leakage problems of unbased lamps.

### Meets MIL Specifications.

SiliKromes® produce colors to meet all applicable military specifications and commercial requirements, and can be developed to meet any C.I.E. color level.

Batch-to-batch color conformity is assured by stringent testing and quality control.

**Versatile.** SiliKromes® are ideal for dashboards, panel indicator and pilot lights, control signals, instrument lighting, system consoles, and industrial process controls.

**Boosts Lamp Life.** Because they act as a heat sink, SiliKromes® actually increase lamp longevity up to 6 percent over bare-bulb operation.

# SILIKROME<sup>®</sup>, the Color Guard: Applications Unlimited

## Typical Applications

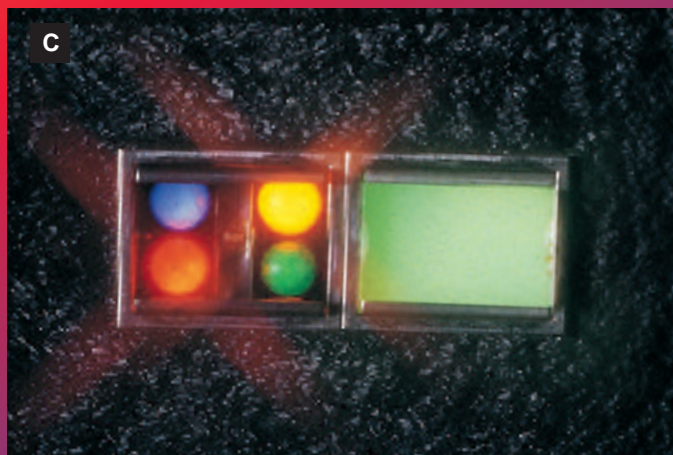
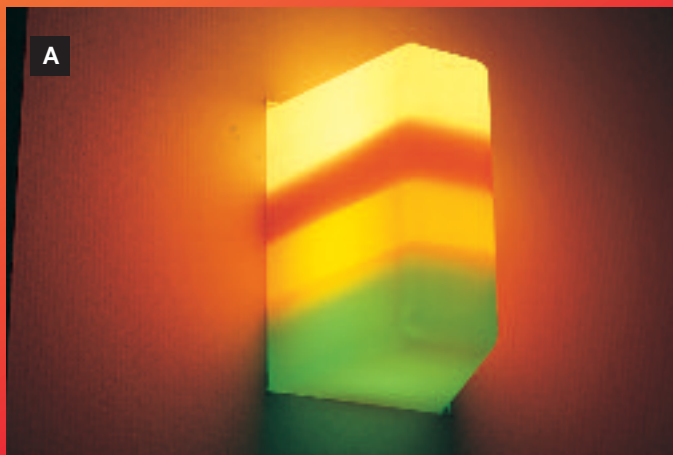
- Dashboards
- Panel Indicators
- Pilot Lights
- Control Signals
- Pinball Machines
- Instrument Lighting
- Garden Lighting
- Exit Lighting
- Communications Equipment
- Decorative Lighting
- Holiday Lighting
- Security Systems
- Process Control Panels
- Trailer Lights
- Boat Instruments
- Aircraft Instruments
- Electronic Games
- Consumer Products
- Signal Lights
- Medical Electronic Systems
- Annunciator Panels
- Lighted Switches
- **Plus, anywhere that color illumination/  
indication enhancement is required.**



**SiliKromes<sup>®</sup> can be produced in a wide variety of colors and sizes.**

### SILIKROME<sup>®</sup> APPLICATIONS

- A. Nurse-call corridor light, courtesy DuKane Corp.
- B. Marine instruments, courtesy Teleflex, Inc.
- C. Lighted pushbutton switch, courtesy C&K Components, Inc.
- D. Garden lighting, courtesy Intermatic, Inc.



# SPECIFICATIONS

SILIKROME®	GRADE	
	COMMERCIAL	MILITARY
Available Standard Colors	Red, Green, Blue, Lunar White, Amber, Yellow	For military color version, see chart below.
Material	Silicone Rubber	Silicone Rubber conforming to ZZ-R-765 Class III GR 50
Temperature Range	-112°F to +400°F (-80°C to +204°C)	-160°F to +450°F (-106°C to +260°C)
	*-112°F to +575°F (-80°C to +302°C)	
Shelf Life	25 Years (minimum)	
Resistant to	Salt spray, weather, sunlight, ozone, and most acids	
Physical Characteristics	Flexible, non-breakable, re-usable. Acts as shock mount. Protects against shattering. Easy to mount.	

Application conditions (e.g. lamp intensity, diffuser characteristics, ambient lighting, etc.) typically define the requirements for lamp filter color intensity and transmission. SILIKROMES® can be made to satisfy most applications. We will be pleased to produce custom colors to meet your precise needs.

\*For T-5 size only.

MILITARY GRADE COLOR SELECTION CHART			
SILIKROMES® will produce colors which conform to the following Military Specifications:			
MILITARY SPECIFICATION	COLOR	APM Color Code Recommended for	
		.012 Wall	.023 Wall
MIL-L-25467	Red	R-3	R-14-13
MIL-P-7788	Red	R-3	R-14-13
MIL-L-27160	White Correcting Blue	LW-4	LW-1
M22885/12-01	Blue		B-12-4
M22885/12-02	Green		G-1
M22885/12-03	Red		R-16-4
M22885/12-04	White		LW-17-14
M22885/12-05	Yellow		Y-3-3
MIL-C-25050	Red	R-5	
	Yellow		Y-1
	Green		G-13-25
	Blue		B-1
	White		LW-17-14
BuWeps Dwg. 2295235	Red	R-2-12	R-2
	Yellow	Y-1-12	Y-1
	Green	G-1-12	G-1
	Blue	B-1-12	B-1
	White	LW-1-12	LW-1

## HOW TO ORDER

<b>Commercial Grade SILIKROMES®</b>	To order a standard red SILIKROME® for a T-5 lamp, specify APM p/n 1813/46 Red (C)
<b>Military Grade SILIKROMES®</b>	To order a red SILIKROME® for a G-3½ lamp which meets MIL-L-25467, specify APM p/n 1813/26 R-14-13 (M)

## APM HEXSEAL CORP.

44 Honeck Street • Englewood, NJ 07631  
 Tel.: (201) 569-5700  
 Fax: (201) 569-4106

	Lamp Size	APM Part No.	Overall Height	OD	Wall Thickness
	T-1-3/4	†1813/1	9/32"	9/32"	.023"
	T-1-3/4	1813/2	5/16"	1/4"	.023"
	T-3-1/4	1813/8	11/16"	7/16"	.023"
	G-3-1/2	1813/26	27/64"	7/16"	.023"
	T-1-3/4	1843/2	9/32"	19/64"	.023"
	T-5	1813/46	1-3/32"	5/8"	.023"
	T-1	1813/22	19/64"	5/32"	.012"
	T-3/4	1813/23	7/32"	1/8"	.012"
	T-3-1/4	1813/27	11/16"	13/32"	.023"
	T-1-3/4	1813/31	23/64"	1/4"	.023"
	T-1	1813/34	5/16"	1/8"	.012"
	T-2	1813/14	13/64"	9/32"	.012"
	T-2	1813/15	13/64"	9/32"	.012"
1813/20		27/64"	9/32"		
	S8	1813/16	1-7/32"	1-3/64" ID: 19/32"	.023"
	S6	1813/17	1-15/64"	51/64" ID: 31/64"	.023"

†Meets mounting requirement of MIL-S-22885/12

**CUSTOM COLORS & SIZES: APM can produce SILIKROMES® to match your chromaticity specifications. For special color requirements or lamp sizes not shown, please consult the factory.**