



# SCIENTIFIC LIGHTING PRODUCTS

A DIVISION OF KOLLER ENTERPRISES, INC. SINCE 1941

## SCIENTIFIC LIGHTING PRODUCTS

### FIRE CODE DATA

#### ACRYLIC

UL LABEL #	94HB-746-C	
Maximum Smoke Density - (ASTMD-2843)		4.3%
Burn Rate (U.C. 94HB) (ASTMD-2863)		16.1%
Flame Spread inches/minute (ASTMD-635)		.6
Refractive Index		1.4912

#### POLYSTYRENE

UL LABEL #	94HB-183-U	
Flame Spread		165-190
Fuel Contributed		95
Smoke Developed		Over 500



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## SCIENTIFIC LIGHTING PRODUCTS

### FIRE CODE DATA

#### POLYSTYRENE

UL LABEL #94HB

Flame Spread	165-190
Fuel Contributed	95
Smoke Developed	Over 500

#### ACRYLIC

UL LABEL #94HB

Flame Spread	165-190
Fuel Contributed	95-120
Smoke Developed	Over 500
Classification under UBC + NFPA	Class 3 or C

#### NOTES:

1. Based on tests done by United States Testing Co. (City of Commerce, CA), Class "A" Fire rated materials must meet: flame spread of under 25 and smoke developed of under 450.
2. The difference between styrene and acrylic when they burn is: Styrene burns with a black toxic smoke. Acrylic burns with a clear or white non-toxic smoke.
3. For elevators, we do not recommend using acrylic or styrene materials due to fire codes. The use of aluminum or flame retardant material is advised.