

3M Application Profile: Automotive Dome Light



Location of dome light inside an SUV.

Application Description:

Foil tape used to enhance the brightness of an interior dome light in an automobile.

Application Benefits:

- Allows a small dome light to maximize its brightness without added energy or size
- Helps to protect the plastic housing from bulb heat

Key Application Requirements:

- Must adhere to a variety of surfaces and be able to remain adhered when exposed to the heat generated from the light source and from the car interior in hot outdoor temperatures



Detailed deconstruction of automotive dome light, highlighting use of 3M™ Aluminum Foil Tape 425.

Engineered Industrial Tapes

For Automotive, Appliance
& General Industrial

Tape Benefits:

- **Provides brighter light:** Foil surface efficiently reflects light without the use of additional power; tape may allow use of smaller light source to achieve target brightness
- **High conformability:** Ability to curve around complex shapes, geometries, and non-uniform surfaces
- **Long lasting:** Helps minimize the risk of damage or failure over part(s) lifetime by dissipating heat from the light source and shielding the plastic housing
- **Easy to apply:** Manual application and doesn't require additional tools or operators
- **Customizable (lined product version):** Able to quickly and easily create shapes or sizes that are part-specific

Products	
3M™ Aluminum Foil Tape 425	
3M™ Aluminum Foil Tape 427 (lined version of 425)	
Additional Applications	
Automotive	Door lights and glove box light
Appliance	Refrigerator light and oven light



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