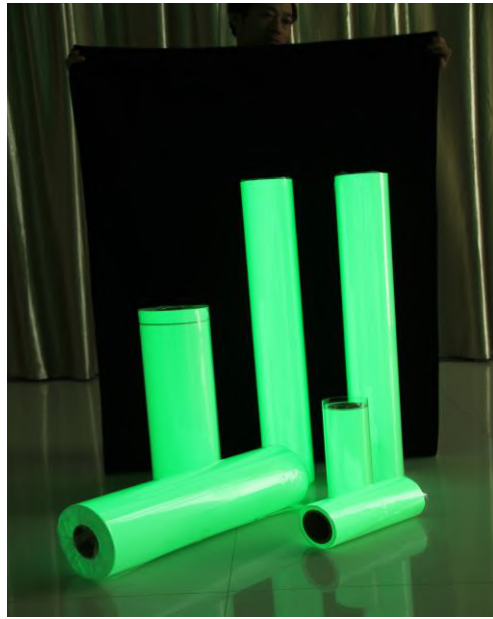# LONG AFTERGLOW LUMINESCENT FILM

JUNTING

Long afterglow luminescent film is commonly known as luminous film. It is a soft plastic luminescent film with a sticker on the back. After absorbing various visible light for 10-20 minutes, it can continue to glow in the dark for more than 8-12 hours. It has **Low light display indication function**. Because it is easy to use and easy to cut, you can directly cut it into various **luminous graphics** and **logos** and paste them where needed. It can also serve as **subsurface illumination**, providing a novel and distinctive sensation in the night or darkness, while also offering a certain level of **directional indication.** It can be applied to home decoration, embellishment, or attached to switches, phones, handles, electrical appliances, as well as stationery, toys, sports equipment, entertainment venues, and public places (such as hotels, corridors, office buildings, theaters, warehouses, cabins, underground passages, etc.).

1. PRODUCT FEATURES

1. Made primarily of PVC, featuring good flexibility and tensile strength；

2. Thickness ranging 0.15-0.5mm, even coverage of phosphorescent coating, long-lasting luminescence.；

3. Rich surface coloring techniques, can be printed, stamped, color-sprayed, et cetera；

4. The luminescent film is instantaneously adhesive and can be easily applied to the surface of common objects, making it extremely convenient to use；

5. Flame retardant performance can be improved upon request；

6. The luminescent film can be customized in different colors according to requirements。

2、LUMINESCENT FILM MODELS

Material	Model	Thickness (mm)	Afterglow Brightness（mcd/m²）		
			10 min	60 min	Glow Duration (hours)
PVC (Matte/Glossy)	JTF-050	0.28	67	9	2
	JTF-100	0.29	104	15	4
	JTF-150	0.31	148	19	6
	JTF-200	0.33	230	32	8
	JTF-300	0.41	340	35	10
	JTF-500	0.66	550	68	12

Remarks:

1. D65 standard light source, excitation illuminance of 1000LUX, and excitation time of 10 minutes.
2. The standard width of the luminescent film roll material is 1.24 meters, and the narrowest width for cut rolls is 20mm;
3. The adhesive variety can be customized according to customer requirements, with a minimum order quantity of 200 square meters or more for customization。

3. APPLICATIONS AND INSTRUCTIONS

1. Construction should be carried out on a smooth surface, with the construction temperature ideally controlled within the range of 10 to 40°C；

2. The luminescent film can be cut into various shapes as needed and directly applied to a specific location (such as phones, switches, etc.), serving a decorative and indicative function.

3. The surface of the luminescent film can be screen-printed with patterns and text, which can be identified by the luminescence of the substrate.

4. When applying it to the surface of an object, the object's surface should be cleaned thoroughly, ensuring there is no oil, dust, or other contaminants.

5. This luminescent film has a certain degree of thermal expansion and contraction. After cutting, the luminescent film should not be placed randomly; it should be clamped or placed under heavy objects to prevent deformation and curling.

6. The size of the backing paper for adhesive luminescent film is greatly influenced by humidity. After cutting, the luminescent film should be processed in an environment with a relative humidity of <u>40~60%</u> to prevent curling.

7. When using it, peel off the release liner from the back of the luminescent film, apply a certain amount of pressure to smooth it onto the prepared surface of the object, and pay attention to proper adherence at the edges and corners.

5、PACKAGING AND STORAGE

1. Packaging: In the form of rolls or sheets, externally wrapped in plastic film.

2. Storage: It should be stored in a well-ventilated, dry, and cool warehouse, with a storage temperature of 15~30℃ and a relative humidity of 40~60%