



SKYLIGHT STAR FILM

Custom Interior Lighting Solutions for Next-Gen
Vehicle Platforms

PREMIUM

SMART AMBIENT LIGHT SYSTEM

When city lights outshine the stars, Your sunroof
unveils the Milky Way.



More Product Information

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About CARDI

Smart car ambient lighting system

In a world that values quality and individuality, CARDI leverages advanced technology and fine craftsmanship to deliver a unique ambient lighting experience. As a high-end ambient lighting brand for international markets, CARDI follows a factory direct and brand direct model, ensuring strict quality control from the source. With our proprietary smart control system and innovative LED technology, every beam reflects the driver's emotion, creating a warm yet dynamic in-car atmosphere.



Factory Direct
Exceptional Quality



Smart Innovation
Customization



Professional Service
Global Support

2005

Kevin Zhu, the founder of the company, started his business in Guangzhou.

2012

The company was established and the "CARDI" brand was born.

2013

Developed the car interior atmosphere lights, which attracts great attention in the industry.

2015

Opened up the international market and was highly recognized by customers all over the world.

2018

Developed the on-board intelligent atmosphere lights upgrade system and gradually popularized various car models around the world.

2019

Founded the "Baoyin" brand develop online channels. Provide light customized product differentiation.

2021

Develop a unique Ambience lighting eco system, leading the new trends of light customization products in the automotive aftermarket.

2022

Reach in-depth cooperation agreements with customers in different regions and countries around the world. Focus on deepening product quality and creating truly "extraordinary" brands with details and technologies.

2023

Actively explore the rejuvenation of the brand, like cross-border products, co-branding. To build a clear brand value system in six dimensions of product, innovation, quality, technology, service and after-sales

2024

The company has entered the fast lane in the development of special atmosphere lights for dedicated vehicles. The R&D team is committed to providing the market with products that meet the replacement standards of car manufacturers. The products have received great attention and welcome from customers in the market.

The First to Etch the Invisible.

“In 2013, BMW and Webasto made history by patenting the world's first panoramic glass roof with a starry sky effect, utilizing a direct-printing process on glass. However, this technology has yet to achieve seamless pattern invisibility when powered off.”



● ● ●
Ambient Light

CARDI

Redefining the Boundaries of Performance.



CARDI has broken through the traditional lifespan limitations of UV crystals. Our proprietary hybrid formula, coupled with a multi-layer UV-blocking process, represents a core technological breakthrough. We deliver exceptional color and stealth while extending a stable service life of 3 years—a true engineering feat, not just a simple mix.



Colorful starry sky



Brightness Control



Safety and explosion-proof



Transparent and invisible

Sunshade By Day
Starlight By Night

Enhances interior aesthetics and luxury

Ambient Light

Skylight Star Film



Skylight star film

Starry Voyage · Private Galaxy

Mobile CEO Star Lounge

Luxury-car grade lighting | 0.1mm stealth tech; Make Luxury car caliber stars seal your first business impression

Breathtaking Visuals, Your Private Galaxy

Utilizes high-precision micro-optical lens technology to simulate a realistic starry sky, creating a clear, deep, and immersive star-gazing experience right inside your car

A Universe of Color

Precisely replicates real star patterns. Every star is clear and vivid, feeling almost within reach.

Safe & Crystal Clear

High-quality materials ensure your sunroof is transparent by day and magical by night.

DISPLAY EFFECT



Superconducting light material + light-guiding structure has uniform and soft brightness, and the brightness is 20% higher



Dazzling on both sides, dim in the middle

DAYTIME EFFECT

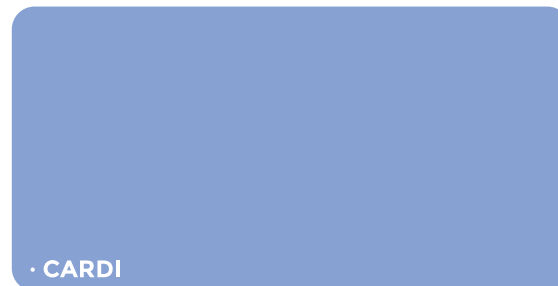


Completely transparent during the day, heat insulation and safety protection are still there



Opaque, blocking vision

DAYTIME INVISIBILITY EFFECT



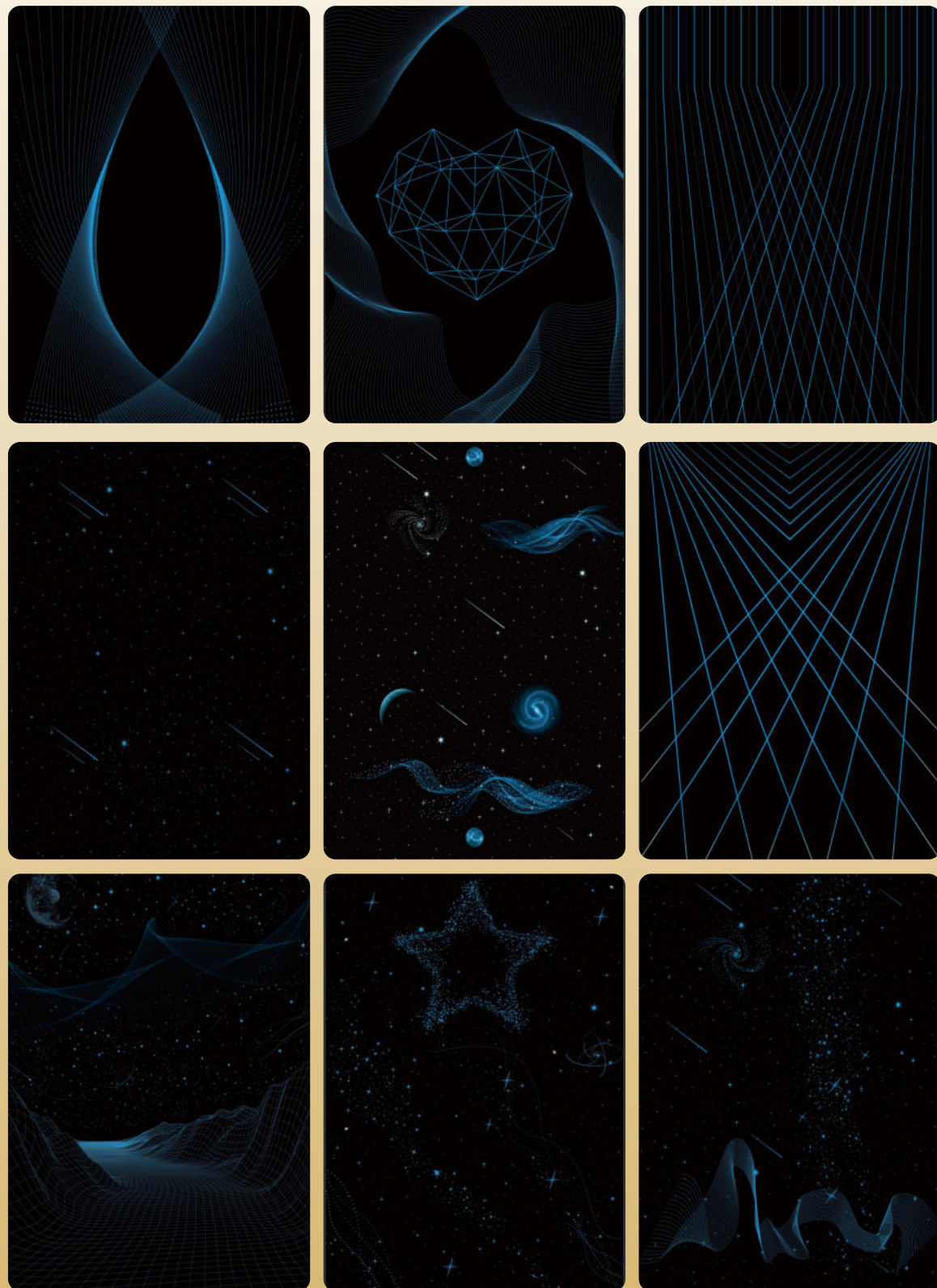
The pattern is completely invisible during the day when the power is off



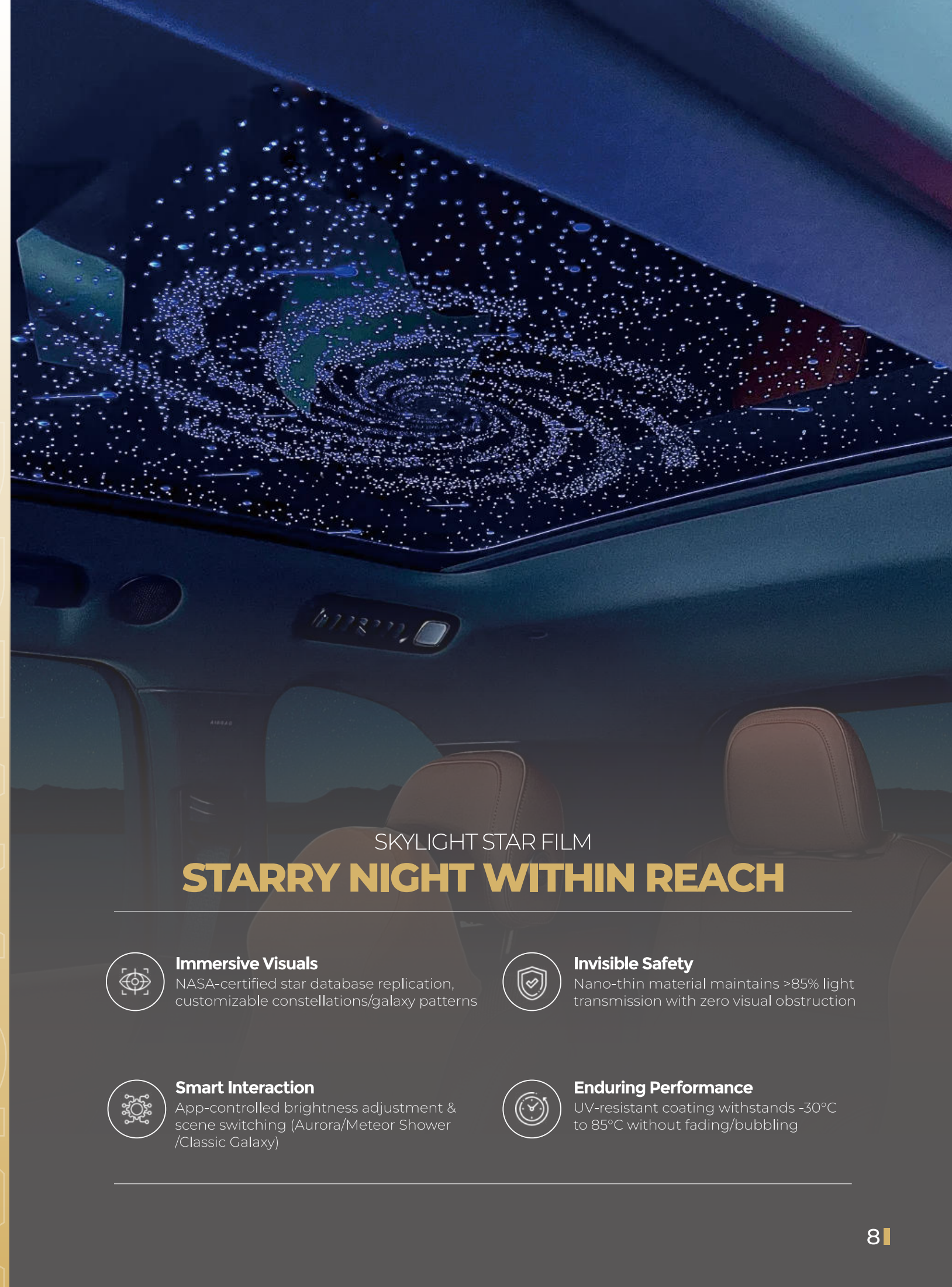
Look carefully and you can see the pattern, what competitors market as "stealth" merely meets our semi-stealth standard

VAST PATTERN SELECTION

UV protection by day, stargazing by night – romance begins here. Install the galaxy above your head and let the night glow.



DREAM SKY



SKYLIGHT STAR FILM

STARRY NIGHT WITHIN REACH



Immersive Visuals

NASA-certified star database replication, customizable constellations/galaxy patterns



Invisible Safety

Nano-thin material maintains >85% light transmission with zero visual obstruction



Smart Interaction

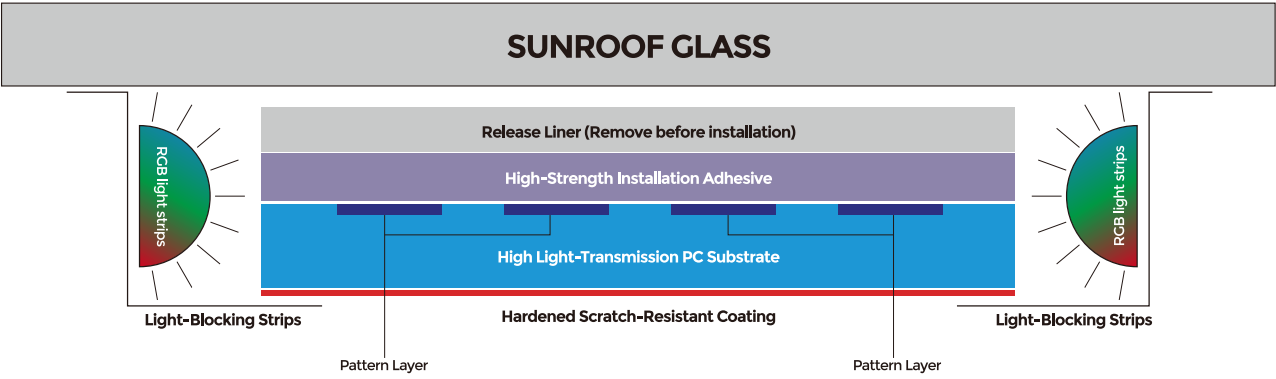
App-controlled brightness adjustment & scene switching (Aurora/Meteor Shower /Classic Galaxy)



Enduring Performance

UV-resistant coating withstands -30°C to 85°C without fading/bubbling

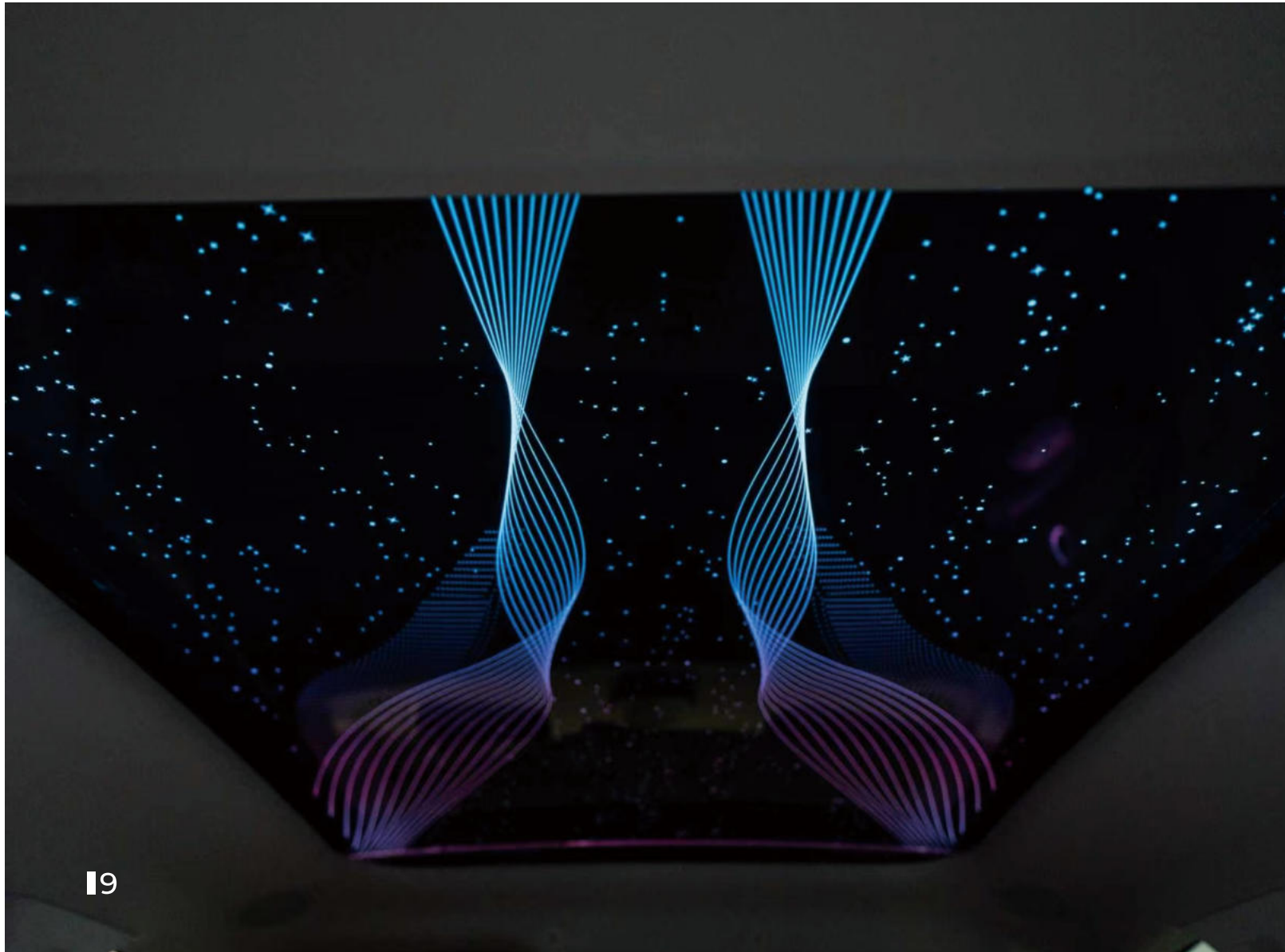
Product Structure of CARDI Aftermarket Iridescent Starry Sky Film



Operating Temperature Range: -30°C to 85°C

Note: Thermal forming is required for PC film applied on glass with high curvature.

Symphony Film Thickness on Glass: 0.15–0.2 mm | Hidden Effect | High Brightness



The CARDI Starry Sky Film Technical Benchmark

Beyond Standards, Defining Professionalism

<0.25mm Ultra-Thin Profile

Enhances installation efficiency and minimizes bubbling.

>2.5cd/m² High Luminosity Reserve

Combats long-term optical decay for enduring brilliance.

<20W/m² High Energy Efficiency

Meets EV trends, delivering brighter output with lower consumption.

>0.7 Superior Uniformity

Solves edge-lighting challenges for consistent brightness across the entire surface.

Zero Halo Pure Image

Eliminates backlight leakage for sharp, defined pattern boundaries.

>30:1 High Contrast Ratio

Ensures vivid patterns against a deep, realistic backdrop.

>18N/25mm @RT | >15N/25mm @100°C

Robust Adhesion

Guarantees durability and reliability in all climates.

Perfect Stealth

Achieves ultimate optical concealment, remaining invisible on glass until activated.

For professionals, true excellence lies in the mastery of every detail. CARDI Starry Sky Film doesn't just meet expectations; it sets the benchmark.



Aftermarket key indicators

Smart car ambient lighting system

The thinner the starry sky film, the better. A thin film can improve installation efficiency and reduce the likelihood of bubbling. (<0.25mm)

The brighter the starry sky film, the better. The brightness of the film can be adjusted, and high brightness can compensate for future brightness reduction caused by light decay and material aging. (Center brightness >2.5cd)

The lower the energy consumption of the starry sky film at the same brightness, the better. With the increasing adoption of new energy sources, energy efficiency requirements are becoming stricter. (<20W/m²)

The more uniform the brightness of the starry sky film, the better. Since the mapping lights are installed at the edges, patterns near the lights appear brighter, while those farther away appear darker. Achieving consistent brightness across the entire pattern is a significant technical challenge for starry sky film manufacturers. (>0.7)

The length of the optical halo: Due to the strong light near the light strip, poor-quality film or processes can cause the base film in areas without patterns to light up. If the brightness of the base film in pattern-free areas exceeds 0.2cd/m², it is considered an optical halo. By adjusting the starry sky film to its brightest setting and measuring the distance from the light strip where the brightness reaches 0.2cd/m², a shorter distance is preferable. (No optical halo)

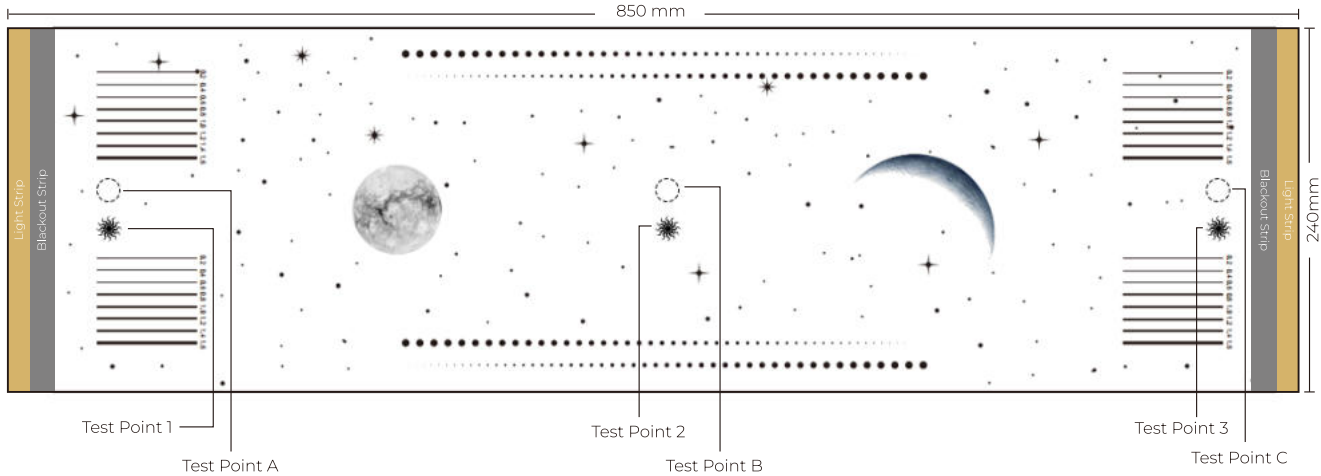
The higher the contrast ratio, the better: The contrast ratio is the brightness of the pattern at the same distance from the light source compared to the brightness of the base film. (>30)

The adhesive peel strength should be greater than 18N/IN at room temperature and greater than 15N/IN at 100°C.

The higher the invisibility, the better:

- a) **Complete invisibility:** The observer cannot detect the pattern from any angle.
- b) **General invisibility:** The observer has difficulty noticing the pattern without its location being indicated, but can detect it upon careful observation if the location is specified.
- c) **Semi-invisibility:** The observer may not notice the pattern when not paying attention, but can detect it upon careful observation even without its location being indicated.

Comprehensive product comparison



Test Point 1 and Test Point 3 measure the edge brightness of the starry sky film. Test Point 2 measures the center brightness. The comparison between edge and center brightness indicates the uniformity of the starry sky film. A smaller brightness difference is better.

Test Point A and Test Point C measure the brightness of the starry sky film's halo. Lower brightness is better. The brightness comparison between Test Point 2 and Test Point B indicates the overall contrast ratio of the starry sky film. A higher contrast ratio is better.

Crystal luminescence test results

	Product thickness	Middle brightness	Uniformity	Power
CARDI	0.198mm	2.12CD	0.74	2.28W
Market models	0.378mm	0.76CD	0.095	9.6W

RGB luminescence test results

	Product thickness	Middle brightness	Uniformity	Power
CARDI	0.198mm	2.21CD	0.83	1.68W
Market models	0.382mm	2.36CD	0.56	2.76W



Starry Sky Film - Visible Version

When powered off during daytime, faint matte ink dots are visibly discernible. These dots can be captured, though not sharply, by high-resolution phone cameras, but remain undetectable in video recordings.



Starry Sky Film - Semi-Stealth Version

When powered off during daytime, patterns are only faintly visible upon close inspection and are completely undetectable by high-resolution phone cameras. Notably, what competitors market as "stealth" merely meets our semi-stealth standard.

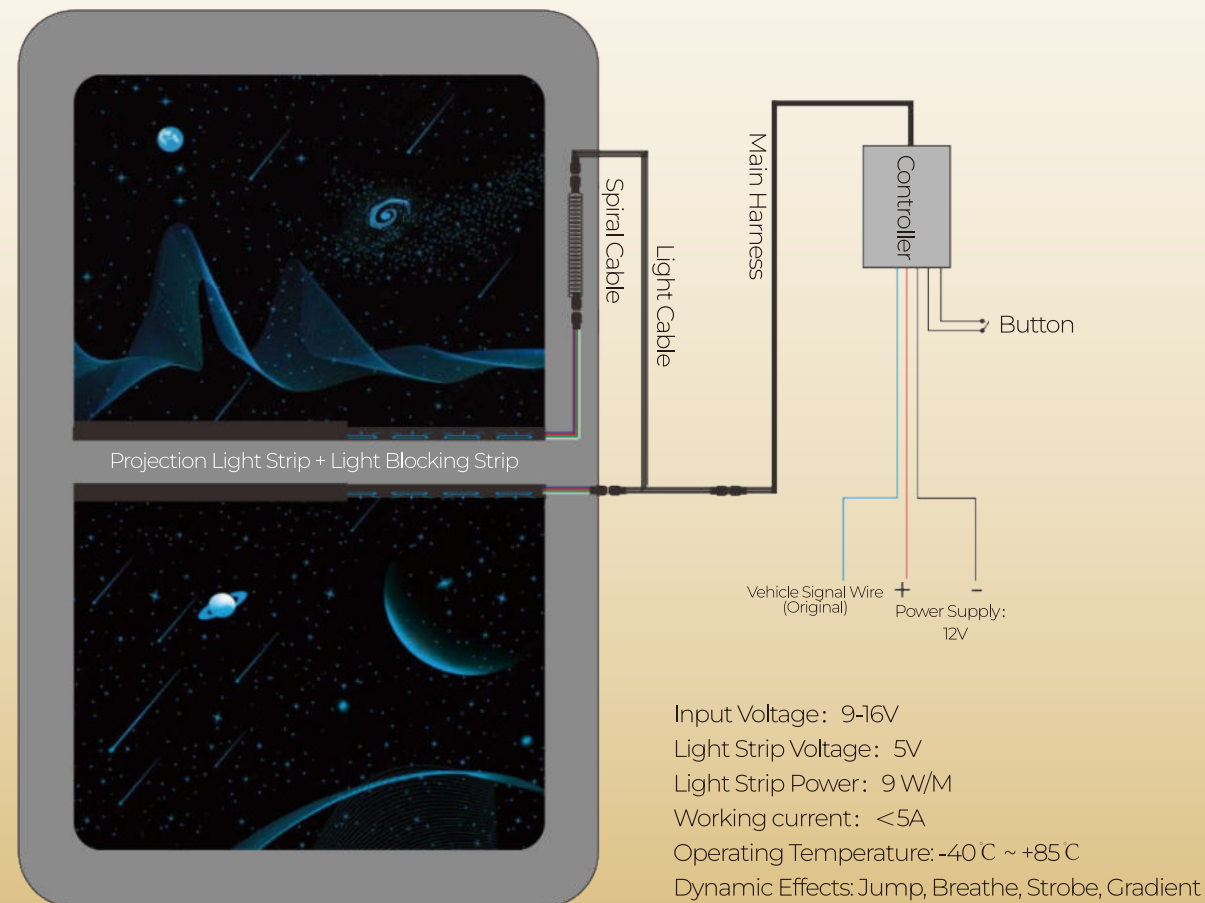


Starry Sky Film - True Stealth Version

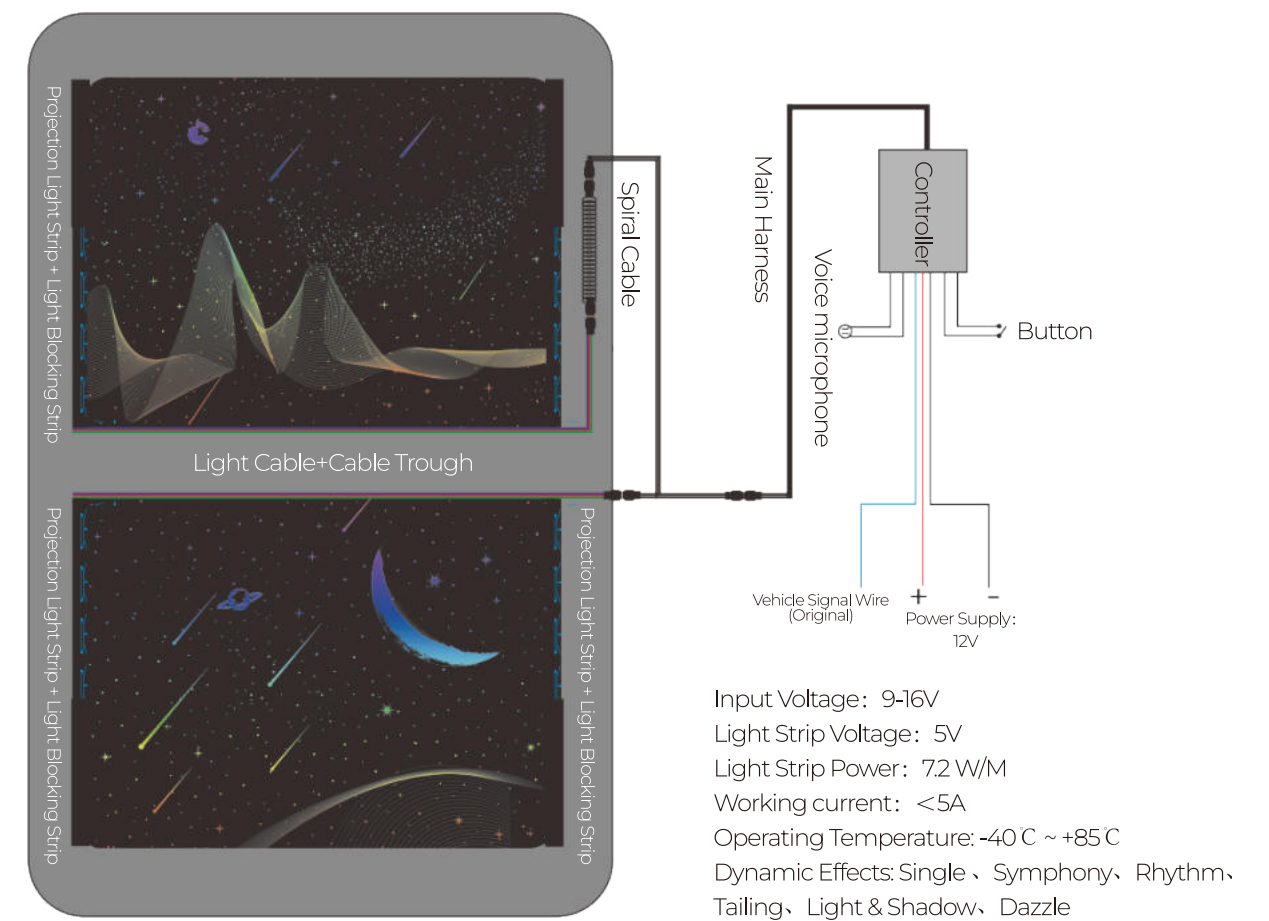
When powered off during daytime, patterns remain entirely invisible to the naked eye. **CARDI** currently stands as the industry's sole provider capable of achieving complete optical stealth.



SINGLE COLOR OR RGB MULTI-COLOR SOLUTION



SYMPHONY SOLUTION

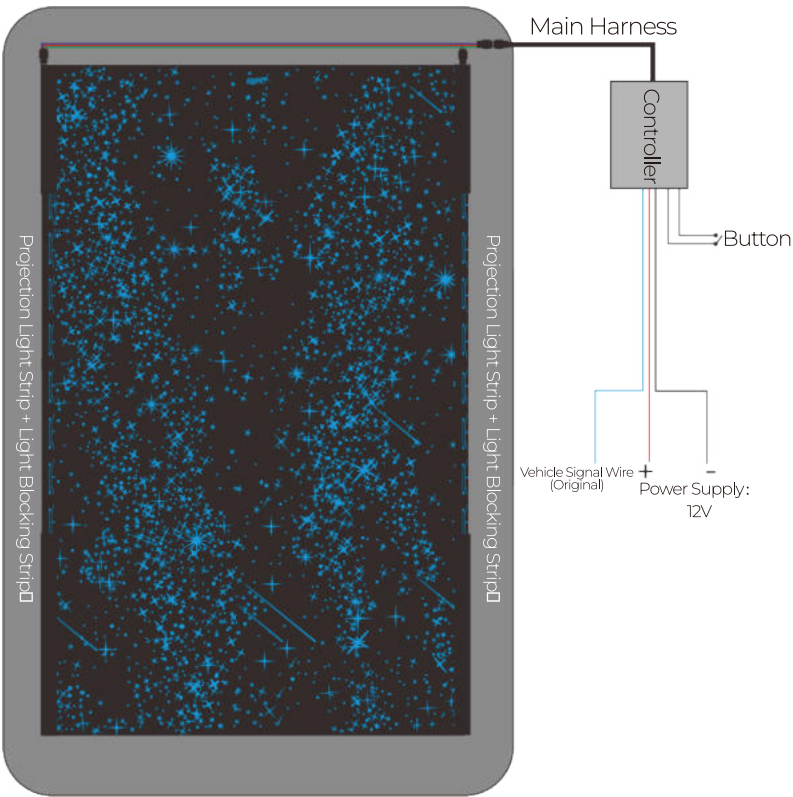


Competitors' RGB semi-invisible solutions have to use double-sided light strips due to insufficient brightness. While CARDI only requires a single light bar to achieve the desired brightness.

SINGLE COLOR OR RGB MULTI-COLOR SOLUTION

Input Voltage: 9-16V
Light Strip Voltage: 5V
Light Strip Power: 9 W/M
Working current: <5A
Operating Temperature: -40℃ ~ +85℃
Dynamic Effects: Jump, Breathe, Strobe, Gradient

● ● ● Starry Sky Film



SYMPHONY SOLUTION

Input Voltage: 9-16V
Light Strip Voltage: 5V
Light Strip Power: 7.2 W/M
Working current: <5A
Operating Temperature: -40℃ ~ +85℃
Dynamic Effects: Single、Symphony、Rhythm、
Tailing、Light & Shadow、Dazzle

● ● ● Starry Sky Film

