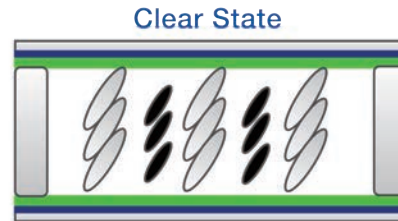
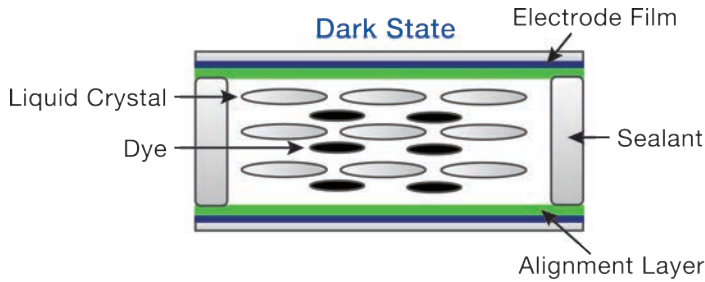


# Light Control Film

DNP

## SUMMARY AND ADVANTAGES

- Light Control Film can instantaneously switch between clear and dark state with an electrical charge by Guest-Host Liquid Crystal (GHLC) method.



\* Sold by **AKARI**  
A DNP-AMI COMPANY

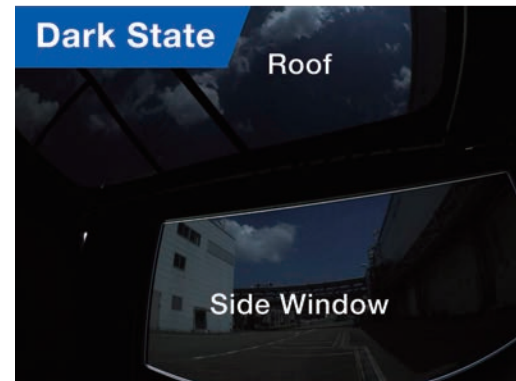
## FEATURES

- Fast switching speed ( $\leq 1$ sec)
- Low haze (1%)
- Color reproducibility (Neutral Black)
- Low voltage requirement ( $\leq 30$ V)
- Possible to laminate on curved surfaces
- Capable of segmented design

Type		Normally Dark	Normally Clear
Transmittance	Clear	32%	70%
	Dark	1%	20%
Haze <sup>(*)</sup>		1%	
Power Consumption		1.5W/ m <sup>2</sup>	0.2W/ m <sup>2</sup>
Endurance Temp.		-30 ~ 90°C	
Color Reproducibility		Neutral Black	
Response Time		0.04sec	0.03sec
Voltage <sup>(*)</sup>		AC±30V	AC±7V

(\*1)At clear state (\*2) Square wave recommended

Normally Dark Type Demo



## APPLICATIONS

- Automotive : Smart and anti-glare functions for window glass such as sunroofs, side & cabin mirrors, and sun visors
- Display : Contrast improvement for transparent display

**CONTACT**

Dai Nippon Printing Co., Ltd.

Harrison McCarn | mccarn-h@dnp-g.com | (213) 222-3513