



About Blight Blind

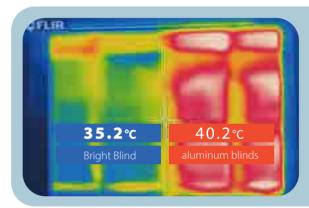
You can choose from three types of slats depending on the purpose and direction.



Lighting

Bright Blind's transparent and diffused slats block out dazzling light and spread bright, gentle light vertically and horizontally.

These blinds keep the room bright even when the slats are closed.



Thermal barrier

Bright Blind's slats are made of a special resin that is less susceptible to sunlight, unlike traditional metal blinds.
There is little radiant heat that causes temperature rise, so it is comfortable even near a window.
Improves air conditioner efficiency and saves electricity.



Long life

Made using thin film technology, the highly durable and light-resistant slats are resistant to breakage and remain beautiful for a long time. Anti-static treatment prevents dust from adhering to it, making it easy to clean.



Environment

Bright Blind increases lighting and air conditioning efficiency and reduces power consumption.

The amount of CO2 emitted during the manufacturing stage is lower than that of metal slats, and as they are highly durable and can be used for a long time, the amount of waste disposed of can be reduced.

Blight Blind lineup

You can choose from three types of slats depending on the purpose and direction.



Blight Blind 50

Captures 41.8% of visible light. Blinds that are bright even when closed.

Colorful light

Thermal barrier



BB70

Blight Blind70

Captures 61.9% of visible light brightest blinds

Colorful light

Thermal barrie



BB100

Blight Blind70

Solar reflectance 83.4% No radiant heat

Colorful light

Thermal barrier





Heat shielding: Reflects light and prevents temperature rise.
This is a graph showing the ratio of these two elements.

Lighting

Why is light diffused?

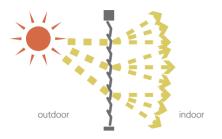
The secret to spreading light lies in the slats.

The newly developed slats made of new material block direct sunlight. Transmits and diffuses. It diffuses through the entire window, so it reaches the back of the room.

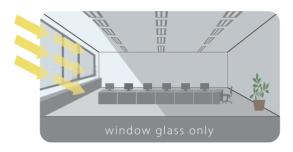
It's brighter and allows you to use less lighting during the day.

Work efficiency is also improved with soft light that does not create uneven-

We have evolved the functionality of shoji, which is a part of Japan's ancient culture and wisdom.



Light guiding image



Direct light is linear and tends to create shadows. feel a glare

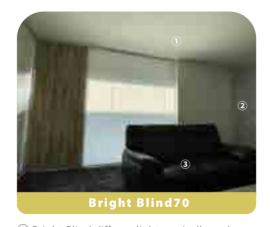


Transmits direct light and converts it into diffused light Bright and gentle light spreads up, down, left and right.

Indoor with **Bright Braind** attached



- 1 Direct light falls from top to bottom, making the ceiling dark.
- 2 The window is bright, but the surrounding area is dark.
- 3 The seat of the sofa is dark and you cannot



- 1 Bright Blind diffuses light vertically and horizontally, making the ceiling brighter.
- ② Reduce the difference in brightness between the window and the area around the window (or reduce the difference)
- 3 The light is also shining on the seat of the sofa.

Transmit direct light diffused blinds



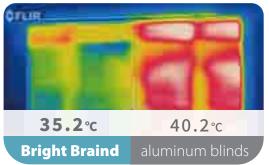
Therma **barrier**

Why isn't it hot?

normal shooting



Photographed by thermo camera



One of the factors that increases room temperature is radiant heat from windows. Radiant heat is heat that is transmitted through the air without being affected. Examples include bonfires, underfloor heating, and heat from wood stoves. Blinds are heated by direct sunlight and the heat is emitted into the room, causing the room temperature to rise.

emperature **5°C lower**

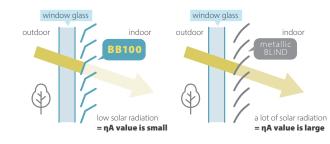
Traditional metal blinds have high thermal conductivity in the slats, making the entire window like a panel heater.

This is because heat accumulates in the slats and generates radiant heat, making the perceived temperature near the window 3 to 4 degrees higher.

Bright Blind's slats are made of resin and do not generate heat, so no radiant heat is generated.

This makes it comfortable to sit near the window and minimizes the temperature difference between the room and the back of the room. This increases air conditioner efficiency and reduces power consumption.

Solar heat gain rate is 0.17nA (eta A)



Amount of solar radiation 👱 Equivalent area 🔙 of outer skin entering the room

Solar heat gain rate (nA value)

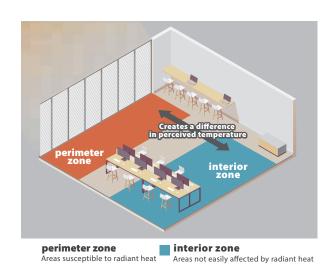
	single glazing	metallic BLIND	BB100
Solar heat gain rate (ηΑ)	0.77	0.40	0.17



Heat shielding measures are important in open rooms with large windows. The solar heat gain rate, which indicates heat shielding performance, indicates how easily sunlight can be absorbed indoors. This is the performance value mainly required for windows, and is the value calculated by dividing the amount of sunlight that enters the room by the area of the outer skin. The smaller the number, the more solar heat can be prevented from entering. Akarina Reflect horizontal type has a fairly low solar heat gain rate of 0.17ηA* (EtaA), which prevents indoor temperature rise and reduces the load on the air conditioner. This increases air conditioner efficiency and reduces power consumption.

Based on the 2011 Building Standards Development Promotion Project and a survey on thermal characteristics such as solar radiation penetration rate of openings.

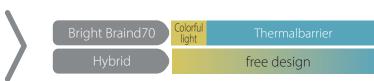
Perimeter zone and interior zone



The perimeter zone is strongly affected by radiant heat and convection heat from windows, and is characterized by being susceptible to high and low temperatures. Traditional metal blinds have slats that have high thermal conductivity and are affected by outside air. In buildings with extensive use of glass, the perimeter zone is particularly hot. Even if the interior zone is comfortable, the high temperature air interferes and the

The daylight blind "Akarina" is made of resin slats that do not emit radiant heat. This minimizes the temperature difference between the perimeter zone and interior zone

Reflect direct light diffused blinds





Why is it durable?





Bright Blind's special resin slats are highly durable and light-resistant, and have the highest impact resistance of all plastics. It is hard to break and can maintain its beautiful condition for a long time. It is wind resistant and can be used with blinds when the window is open for ventilation. The anti-static treatment prevents dust from adhering to it, making it easy to maintain on a daily basis.

You can use it comfortably and for a long time because the cleaning and maintenance frequency of the slats is reduced. Bright Blind is a new blind that changes the concept of conventional blinds.



Environmental consideration

Reducing CO2 emissions increases corporate value

Bright Blind increases the efficiency of lighting and air conditioning, reducing power consumption. Typical metal blinds break easily and generate static electricity, which causes dirt to adhere to them, increasing the frequency of slat replacement and maintenance.

Bright Blind produces less CO2 emissions than metal slats, is highly durable, and can be used for a long period of time, reducing the amount of waste thrown away. For this reason, they are attracting attention as "environmentally friendly blinds." onal blinds.



More features of **Bright Blind**

UV protection

Thoroughly cuts both UV-A and UV-B rays

Lightweight

Lighter than metal blinds It has good operability and is quiet when operating.

Fire Retardant

It has a self-extinguishing function that prevents the flame from spreading even if it catches fire.

Safety

Since it is made of soft resin material, there is no need to worry about injury during normal use.

Not transparent

Even if you turn on the interior lights at night, you cannot see through the interior from outside.

This is a privacy and security measure..

Construction example

Ueda City Hall





Kosugi Minami Junior High School, Imizu City, Toyama Prefecture





Renishaw





Umeda Center Building









