

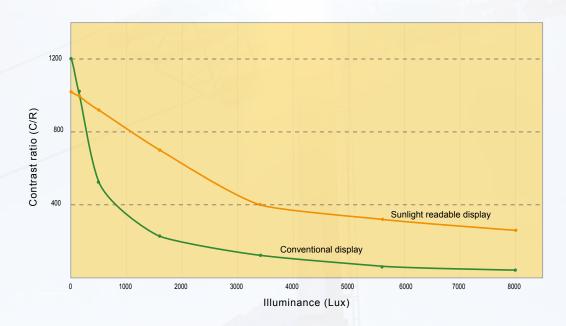
# **Sunlight Readable Displays**

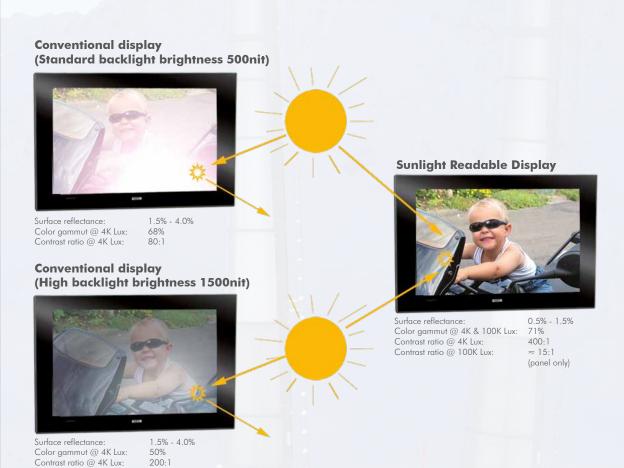
# **SUNLIGHT READABLE DISPLAYS**

# **Technology**

Sunlight Readable Displays – the new generation of industrial displays allows optimal image visualisation in bright ambient light environments.

A special plastic film in front and behind the LCD panel guarantees an optimal contrast ratio and excellent images.





### **Benefits**

- Readable under all lighting conditions
- Optimal contrast ratio for both indoor and outdoor conditions
- Utmost colour saturation and viewing angle even in high brightness environment
- No extra heat generation even at a higher brightness
- Full mechanical and electrical compliance with the existent system
- High durability through optimised energy balance



# **Comparison**

# **Sunlight Readable / High Brightness Displays**

High Brightness Displays are usually equipped with very strong backlights. The luminosity is between 1500cd/m2 and 2000 cd/m2. Due to the high power dissipation, this method leads to a high heat generation und consequently a shorter display lifetime. Moreover, strong backlight brightness results in a lower colour saturation (colour gamut). However, the contrast ratio which is crucial for the readability does not increase.

Technology	Panel temperature	Inverter	Colour performance	Improved contrast ratio
High Brightness	High power dissipation and therefore heat generation	Need to change to higher inverter	Colour saturation (colour gamut) decreases	No
Sunlight Readable	No change	Original	Constant colour saturation (colour gamut)	Yes

# **Applications**

The application range of the Sunlight Readable Displays is numerous - indoor as well as outdoor applications are possible. The operation in bright ambient light environments is generally useful.

Sunlight Readable Displays can therefore be used in show windows, kiosks, train stations or any other point-of-sale or point-of-interest.





Train station Saint Lazare / France





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