SATA® trueSun™

German Engineering

Spray Guns | Cup Systems | Breathing Protection | Air Filtration | Accessories

# The Daylight Solution

# SATA® trueSun™ – the Daylight Solution

The selection of the correct color shade for refinishing a vehicle requires a source of light that preferably reproduces the entire color range of visible light (daylight) as accurately as possible.
The SATA® trueSun™ LED lamp which was especially designed for this purpose allows a quick and easy professional color shade evaluation and identification within the body shop. When selecting the right daylight lamp there is no room for compromise, any rework caused by an incorrect color identification is an expensive mistake with high rework costs. Even avoiding one rework covers the purchase price for this high quality product.

Adjustable light intensity

Battery level display

Watch the video at **www.satausa.com**

## PRODUCT BENEFITS

- Near perfect daylight conditions on any color shade, no need to move the project outside
- Uniform distribution of the light intensity across the entire light cone
- Battery life approximately 70 minutes at full light intensity, lasting for an entire days production in most shops
- Uniform light intensity – unaffected by the battery charge level
- Fast charging cycle time of approximately 50 minutes
- Adjustable light intensity
- Built-in charge level display
- Near daylight reproduction of color pigments
- Coating flaws such as mottling and poor hiding can be easily detected

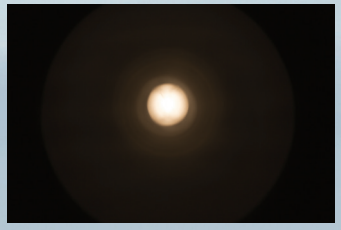
## Uniform distribution of the light intensity

The uniform light distribution across the entire illuminated area simplifies selecting the right color shade. The light intensity can be adjusted via the sliding control on the back of the light.

The light intensity remains the same throughout the entire battery life, which removes aggravating interruptions during the color match process.

**Light cone of the SATA® trueSun™**
at maximum light power, uniform distribution of the light intensity from edge to edge – color temperature is neutral

# Daylight lamps used for color shade determination, by comparison



**Example high quality flashlight manufacturer A**
Very small, non-uniformly illuminated surface, strong yellow coloration

**Example daylight lamp manufacturer B**
Uniform distribution of the light intensity, but very strong yellow coloration.

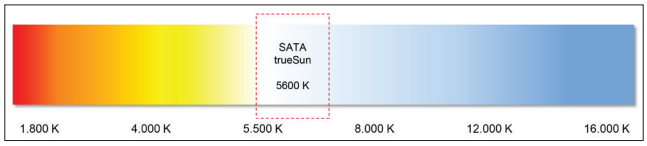
**Example daylight lamp manufacturer C**
inconsistently illuminated surface, edges appear greenish/bluish

**Example daylight lamp manufacturer D**
inconsistently illuminated surface, edges appear reddish.

## KNOWLEDGE

### Color temperature

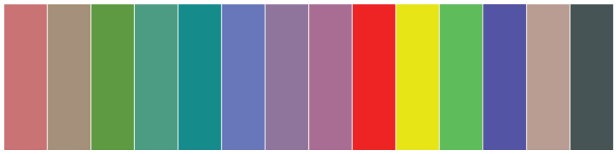
The color temperature of a light source is indicated in Kelvin (K). The temperature has influence on the optic impression. Therefore, it should be in a neutral range when defining the color shade. The daylight (sunlight) at noonday sun has a color temperature of approximately 5,500 – 5,800 K.



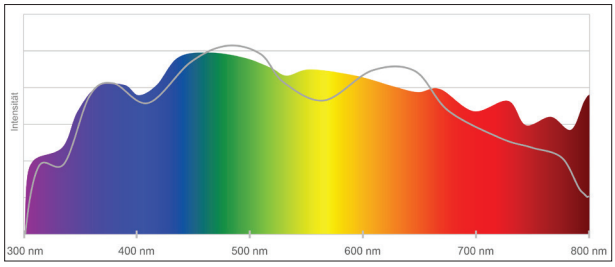

### CRI value

The CRI value (Color Rendering Index) indicates the quality of the color reproduction of a light source. This value is composed of the average value of 14 defined reference colors.

Daylight CRI value: 100
SATA® trueSun™ CRI value: 97



### Spectral distribution – daylight & SATA® trueSun™




### Lux (lx)

Lux indicates the illumination intensity of a light source.

Daylight lux value: up to 100,000 lx
SATA® trueSun™ lux value: 22,000 lx at 11.8 inch distance

WARNING: The use or storage of the SATA® trueSun™ LED lamp as well as the batteries and chargers in explosive or inflammable areas is prohibited.

## TECHNICAL DATA

### LED light

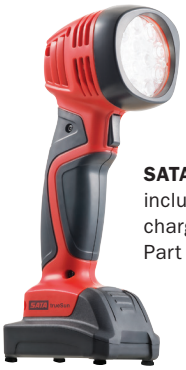
| | |
|---|---|
| Total weight | approx. 1.04 pounds |
| CRI value | 97 |
| Color Temperature | approx. 5,600 K |
| Light intensity (lux) | 22,000 lx at 11.8" distance |
| Operating temperature LED lamp | 32°F – 104°F |
| Storage temperature LED lamp | -4°F – 176°F |
| Battery life at full light intensity | approx. 70 min. |
| Battery operating time | approx. 70 min. |

### Battery

| | |
|---|---|
| Weight | .66 pounds |
| Rated voltage | 10.8 V |
| Capacity | 2.7 Ah |
| Max. charging current | 2.5 A |
| Max. discharging current | 5 A |
| Charging temperature | 32°F – 113°F |
| Discharging temperature | 32°F – 140°F |

### Charger

| | |
|---|---|
| Weight | .86 pounds |
| Rated voltage input | 100 – 120 V (50/60 Hz) / 220 – 240 V (50/60 Hz) |
| Rated voltage output | 10.8 V |
| Charging current | 2.4 A |
| Charging time | approx. 50 minutes |
| Charging temperature | 50°F – 113°F |
| Protection rating | II |
| Operating temperature | 32°F – 104°F |



**SATA trueSun**
including battery charger and battery
Part No. 1012129

**Storage case**
including foam inlay
Part No. 1013094

| Accessories | Art. No. |
|---|---|
| Foam inlay only with shaped area to go into SATA® trueSun™ storage case | 1013151 |
| Battery | 1010082 |
| Battery charger | 1006445 |
| Protective lens holder | 1012096 |
| Lens only | 1012137 |

## SATA Black Breathing Hose

Top quality breathing hose for breathing air and air tools. Available in lengths up to 100 feet.
Part No. upon request

## Premo Flex Red Breathing Hose

Top quality breathing hose for breathing air and air tools. Available in lengths up to 100 feet.
Part No. upon request

## Dan-Am Kneeler

Dan-Am Kneeler is an excellent tool to cushion your knees on rough or hard surfaces.
Order # KNE0002

## SATA® care set™

The practical tool bag containing useful utensils for gun cleaning and maintenance. Items marked with a red surround are not included in the scope of delivery. Part No. 162628

## SATA® air vision 5000 regulator set

Includes SATA air vision 5000 hood, SATA air regulator belt, SATA air regulator (no charcoal)
Order No. 1005603

## SATA® air vision 5000 carbon regulator set

Includes SATA air vision 5000 hood, SATA air regulator belt, SATA air carbon regulator. Version with activated charcoal adsorber
Order No. 214718

## SATA® RPS™

SATA RPS (Rapid Preparation System) is the ideal cup system for shops focusing on perfect finishes, high profitability and increases productivity.
The RPS multipurpose cup system offers many benefits: bendable, refillable, cleaning the spray gun is an easier process.
Available sizes: 0.3 l, 0.6 l and 0.9 l.
Part No. upon request

## X767 Guardian CO Monitor

110 volt AC Carbon Monoxide Monitor Audible and visual alarms for high CO or sensor failure. LCD digital readout

**Order No. X767-PLUS**

## SATA® Filter 484™

Triple-stage filter (with activated charcoal) – to apply VOC-compliant paints, such as waterborne or high-solid paints.
Order No. 92320
More configurations available upon request

Your SATA dealer

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Fax: 800-633-7282
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