

# TruColor | HS

See the world in a whole new light



TruColor HSTM from PRG delivers an unprecedented volume of soft light optimized for image capture as well as other applications that demand accurate color rendering.

By harnessing **Remote Phosphor Technology (RPT)**, the TruColor HS exceeds the output of a traditional 2K incandescent soft light using less than 450 watts of AC power. This means you can plug several units into a single 15 amp circuit and avoid the added cost of generators, fuel, and heavy cables. Operating temperatures are also significantly reduced, producing virtually no heat in the illuminated area.

Rather than traditional diffusion to soften the light source, the light actually emits from the RPT panels on the front of the fixture, providing a lighting characteristic that radiates equally in a 160o radius. The ability for TruColor HS light to “wrap” your subject with soft, edgeless shadows is unlike any fixture you’ve ever used.

PRG has partnered with Intematix Corporation, a leading innovator of phosphor technology to develop special high-CRI formulations that deliver 3200K with a CRI of 98. When daylight is required, the interchangeable phosphor panels allow the same fixture to output 5600K with a CRI of 94. Additional color temperatures are available to match other light conditions. The color temperature of the TruColor HS is extremely consistent fixture to fixture, and will not change over time like other lighting technologies.

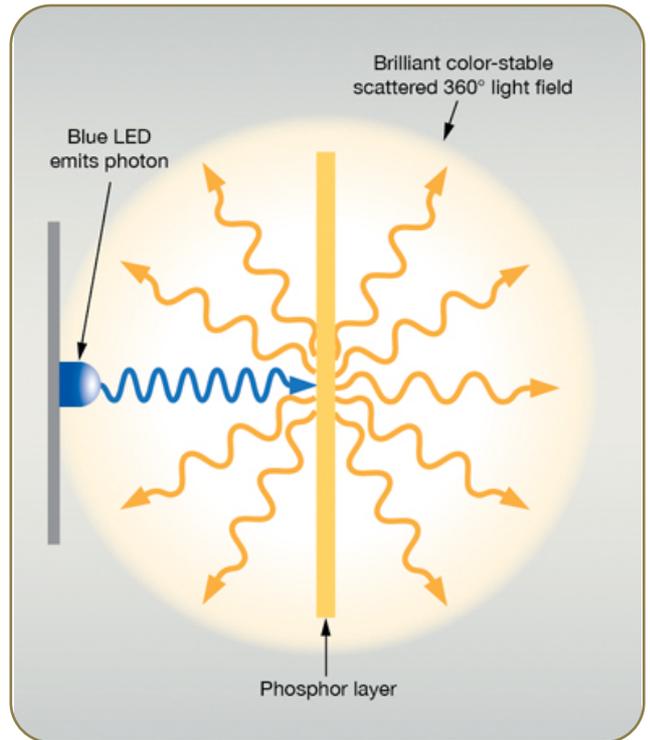
Like all PRG products, the TruColor HS is extremely durable, built to last with anodized alloy construction, flexible polycarbonate panels, and field-serviceable components. The fixture ballast includes both local and DMX control, and connects to the lamp head with a ruggedized multi-core cable.

The TruColor HS is flicker-free and passively cooled, perfect for any film or television project, in the studio or on location.

## Features :

Highly Accurate Color Rendering:	CRI 97 @ 2700K, CRI 96 @ 3200K CRI 91 @ 5600K
Super Bright, Hyper Soft:	Over 700 lx @ 3m with a 160° beam spread
Dimmable:	Local and DMX dimming From 20% to 100% with no color shift
Flicker-Free:	No flicker at any frame rate
Passive Cooling:	No fans, no noise
Field Replaceable Components:	Modular design for easy servicing

Designed and manufactured in the USA



## What is Remote Phosphor?

Since the introduction of digital lighting into film, television, and photography, color rendering has been an issue.

The inherently discontinuous light spectra of traditional LED sources has made it difficult for a digital light to approach the color rendering quality of a black-body radiator like a tungsten filament.

The TruColor® series utilizes the latest advancement in lighting science, Remote Phosphor Technology (RPT), to eliminate those color-accuracy issues. Instead of relying on LEDs as a source of illumination, TruColor fixtures rely on a separate phosphor substrate to emit high-quality predictable light when excited by high-frequency wavelengths like blue LEDs. The result is a continuous linear spectrum unlike any other digital light developed for image capture.

Think of a remote phosphor array as you would a CRT screen found in legacy television sets. RPT employs a transparent surface onto which a special phosphor coating is applied. These phosphors are excited at two precise wavelengths, in this case with LEDs completely separated from the phosphor substrate, resulting in very stable high-CRI white light.

Color temperature remains consistent throughout the lifetime of the fixture, because the phosphors are not subject to heat degradation, unlike typical white LEDs. Color consistency fixture to fixture is also guaranteed, because it's easier to accurately coat the phosphor “recipe” onto a substrate instead of directly onto a diode.

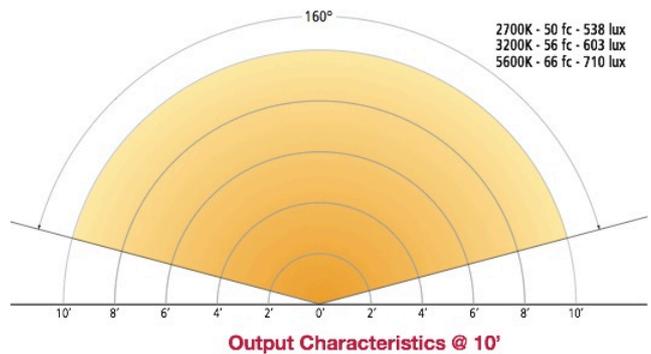
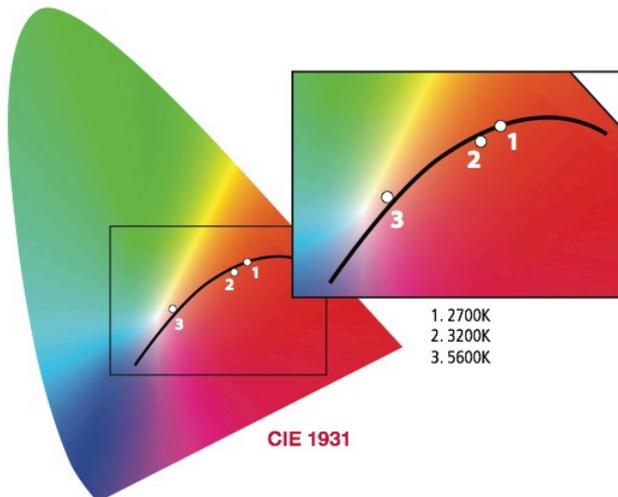
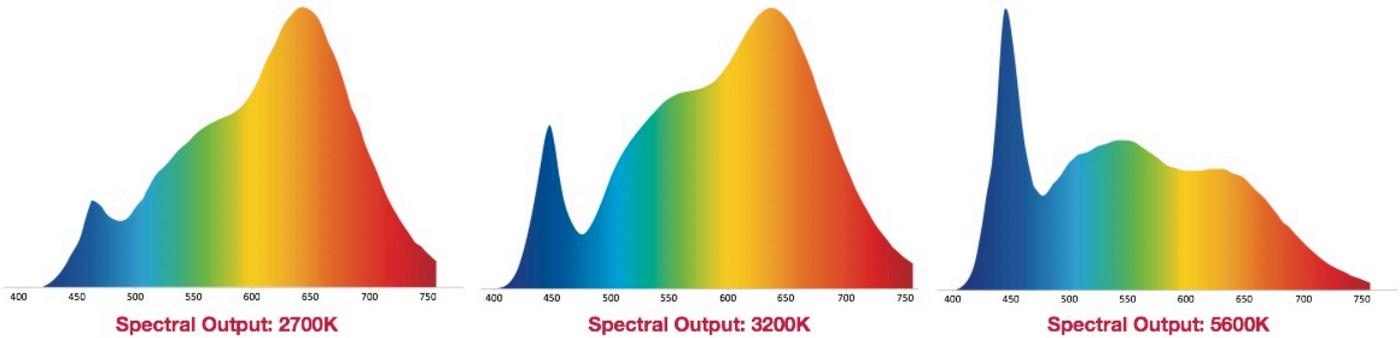
All products in PRG’s TruColor line employ RPT and are focused on attaining the highest quality light and utmost power efficiency.

## Specifications :

Input voltage :	100-240VAC 50/60 Hz
Power Consumption :	450W (typical)
Lamp head dimensions (yoke incl.) :	290 (H) x 532 (W) x 96,5 (D) mm
Lamp head weight :	6,3 Kg
Power supply dimensions :	58 (H) x 280 (W) x 450 (D) mm
Power supply weight :	6,3 Kg
Head to ballast cable :	3,48 m - 10,44 m - 34,80 m
Life-time :	35.000 Hrs. (L70 Rated)
Ambient temperature range :	-20 ~ +50°C
Fixture working temperature :	+55°C
Warranty :	2 Years - Parts & Labor

CRI Measurement	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	CRI	CRI Extended
TruColor HS @ 2700K	97	99	96	96	98	98	99	98	97	100	94	92	97	96	98	97
TruColor HS @ 3200K	98	99	94	97	100	97	98	97	95	96	96	84	99	96	98	96
TruColor HS @ 5600K	94	95	93	93	93	90	98	95	85	86	92	68	95	96	94	91

CRI is R1-R8, Extended is R1-R14



## TruColor HS Power supply :



## Accessories :



HS HONEYCOMB 90°  
(art. N° ATP-HS700-0014)



HS EGGCRATE  
(art. N° ATP-HS700-0016)



HS GELFRAME  
(art. N° ATP-HS700-0018)

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