

RGBW INSPECTION LIGHTING SYSTEM

A high-power color-mixing light, the Horner RGBW Inspection Light is a plug-n-play system for use in inspection applications. It is designed to work alongside a Horner X10 controller with simple display operation.

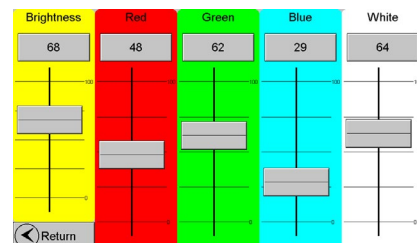


PRODUCT SPECIFICATIONS

PRODUCT SPECS	
Input Voltage	120-277VAC
Fixture Power	150 Watts
Control Cable Type	M12 5-Pin A codes
Max Cable Length (controller to last light)	30 m (100 ft)
Housing	Extruded Anodized Aluminum
Mounting	Clip and Conduit
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Fixture IP Rating	IP50
Control System	Horner 10" Touch control with Ethernet
Control System IP Rating	IP65
Number of Fixtures per Control System	Base 6 fixture per controller with options to control up to 42 fixtures
Warranty	5 years

COLOR OPTIONS	
Red	620 nm
Green	530 nm
Blue	470nm
White	3000K 80 CRI (can be modified with RGB)
Beam Angle	120°
Output per color	Up to 90W per color with a max of 150W mixed

Control panel screenshots



ADDITIONAL BENEFITS AND SAVINGS

- Up to 42 lights on a single controller (6 on the base level controller)
- Multiple mounting options available
- Long life, lower heat, lower energy LED light source
- Improve product quality and find defects faster.

WARRANTY

5 Year warranty backed by U.S. company founded in 1949

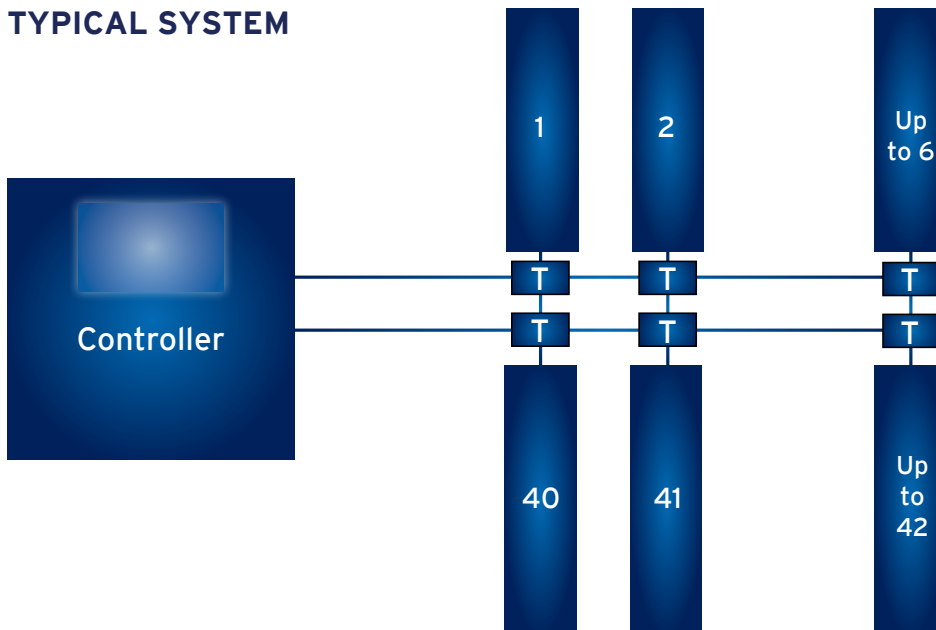
PART NUMBERS

LIGHTING PART	PART NUMBER
RGBW Fixture	ETG-HLS150-RGBW-120
Controller for 6 fixtures	ETG-CTL-X10R-RGBW-W7
Controller with additional 6 fixtures*	HE959DAC107
2 meter M12 Cable	ETG-M12CBL-2M
5 meter M12 Cable	ETG-M12CBL-5M
10 meter M12 Cable	ETG-M12CBL-10M
M12 Y	ETG-M12Y1
Set of Mounting Clips**	ETG-BKT-B40
Y Mounting cables with hook ends	ETG-YSM-05

*Can continue adding in groups of 6 for a total of up to 42 fixtures

**Torque required for mounting bracket screws is 8 in-lbs

TYPICAL SYSTEM



USAGE

**Red Painted Steel
Under Full RGB Lights**

**Red Painted Steel
Under Green/Blue Lights**

**Stainless Steel
Under Green Light**

- The RGBW fixture allows tuning of the inspect lighting to optimize the defect detection for different surfaces, colors, and operators.
- Detecting surface defects can be enhanced by using negative color lighting. For example, a red surface exposed to light lacking red will appear black to people and cameras. This can help see surface defects without the underlying color being as prominent.
- Raw metal, whites and grays being inspected by people can benefit from shades of green light. Human lighting peaks in green wave lengths and highlight defects with green light can improve quality inspections.
- For inspection with cameras white and red lighting can provide improved contrast for most vision systems.
- Lighting color and intensity can be manually adjusted by operators, selected by setpoints on the controller or can be connected by Ethernet, serial or CAN to communicate with a variety of control systems to adapt the color and brightness dynamically.

DIMENSIONS / DRAWINGS

MODEL/SKU	DESCRIPTION	WEIGHT	DIMENSIONS
ETG-HLS150-RGBW-120	Light Fixture	14 lbs. 10 oz./ 6.63 kg.	47" l x 5.5" w x 3" h 119.4 cm x 14 cm x 7.6 cm
ETG-CTL-X10R-RGBW-W7	Controller Enclosure	23 lbs. 8 oz./ 10.66 kg.	16" h x 14" w x 9" d 40.6 cm x 35.6 cm x 22.9 cm

