

PL TR2 RGB Striplight



The PL TR2 RGB Striplight is a low profile, robust, high-performance linear LED luminaire for washing large areas with far-reaching, rich, saturated colours.

Designed for set and backdrop lighting the PL TR2 RGB Striplight provides a broad range of colours for any stage or studio application. Designed for use with our wide range of control consoles these luminaires provide bright rich colors with beautiful fades. These luminaires deliver on the promise of all LED sources with up to a 70% energy reduction over conventional strip lights while providing low maintenance with a useful life of up to 100,000 hours.

Integrated power supplies eliminate the need for additional equipment, pushbutton addressing capabilities simplify configuration and installation, and locking mounting brackets allow for flexible mounting to pipes or surfaces, making the PL TR2 RGB Striplight an easy-to-use yet powerful solution for theatres, TV studios, concerts, events, casinos, and exhibits.

Features

Beam angle (12 & 18 models) : 10°.

Two luminaire lengths: PL TR2 RGB Striplight 18 (1.8m) and PL TR2 RGB Striplight 12 (1.2m), each controllable in 152mm segments.

Universal, integrated, auto-switching power supply accepts power input of 110 – 240 VAC, eliminating the need for additional equipment and enabling consistent use around the world.

Pushbutton addressing and configuration - Onboard addressing capabilities offer easy configuration without external addressing tools.

Mounting brackets and locking knobs enable 180° rotation, adjustment, and locking without special tools.

Clamp-mount the PL TR2 RGB Striplight to pipes or trusses, or mount directly to a surface.

PL TR2 RGB Striplight luminaires can be configured to have one or more individually controllable segments — up to 8 for the PL TR2 RGB Striplight 12, and up to 12 for the PL TR2 RGB Striplight 18.

Modular LED for assemblies allow for easy maintenance.

Fitted safety bonds (x2).

Certification & Safety

Certification: UL / cUL, FCC Class A, CE, PSE.

LED Class: Class 2 LED product.

Environment: Dry location, IP20.

Output

Colour Range: 16.7 million additive RGB colours; continuously variable intensity.

Mixing Distance: 152mm to uniform light.

Lumen Maintenance:

50,000+ hours L50 @ 50° C (full output)

Philips Selecon follows IESNA LM-80-08 in using L50 (lumen depreciation to 50% of original light output) to define useful life of RGB LED luminaires. At maximum operating temperature (typically 50° C) and displaying white (full output), the useful life exceeds 50,000 hours. At room temperature and displaying a colour wash effect, the useful life ranges from 80,000 to 100,000 hours or more.

Electrical

Input Voltage:

100 – 240 VAC, auto-switching, 50 / 60 Hz.

Power Consumption:

PL TR2 RGB Striplight 12

280W maximum at full output, steady state.

PL TR2 RGB Striplight 18

420W maximum at full output, steady state.

Control

Interface: DMX.

Control System: Philips full range of controllers, including Light Palette, Palette VL, 100+, 200+, or third-party DMX controllers. Luminaires can be connected in series of up to 300m using any combination of RJ45, Ethercon, or XLR-5 data cables.

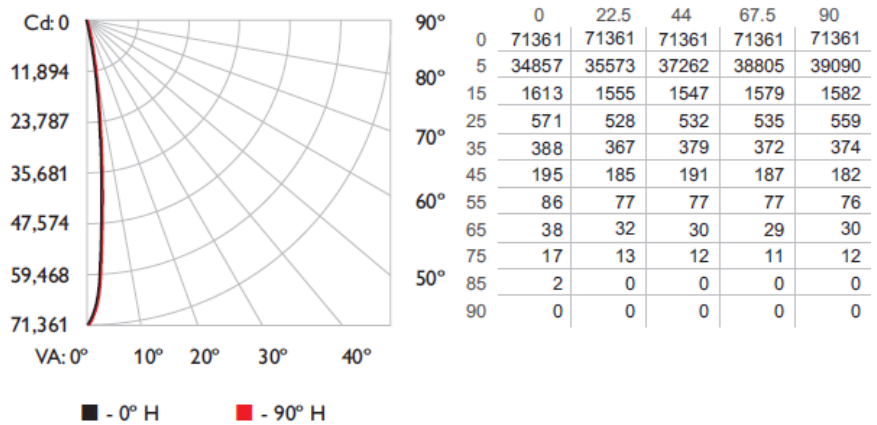
Photometric Data

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.seleconlight.com/ies

PL TR2 RGB Striplight 12 in Fc

LED	Lumens†	Watts	Efficacy
RGB	3708	280	13.2

Polar Candela Distribution:

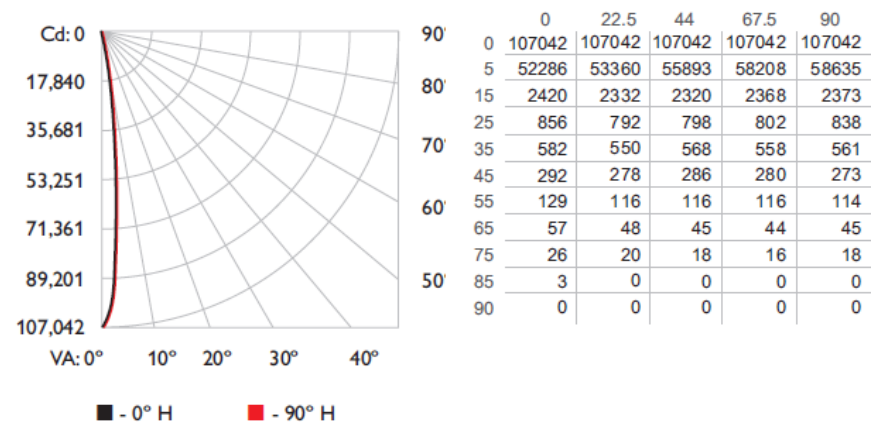


PL TR2 RGB Striplight 18 in Fc

LED	Lumens†	Watts	Efficacy
RGB	5562	420	13.2

These figures are scaled based on the PL TR2 RGB Striplight 12 photometrics to approximate the light output of the PL TR2 RGB Striplight 18.

Polar Candela Distribution:



For Lux please multiply Fc by 10.7

† Lumen measurement complies with IES LM-79-08 testing procedures.

Physical Data

Dimensions (H x W x D)

PL TR2 RGB Striplight 12: 191mm x 1150mm x 165mm

PL TR2 RGB Striplight 18: 191mm x 1746mm x 165mm

Weight

PL TR2 RGB Striplight 12: 18.1kg

PL TR2 RGB Striplight 18: 27.2kg

Housing

Extruded aluminium, black finish

Lens

Clear polycarbonate

Luminaire Connections

IEC power cable, RJ45, Thercon, or XLR-5 data connections

Temperature

-40° – 122° F (-40° – 50° C) Operating

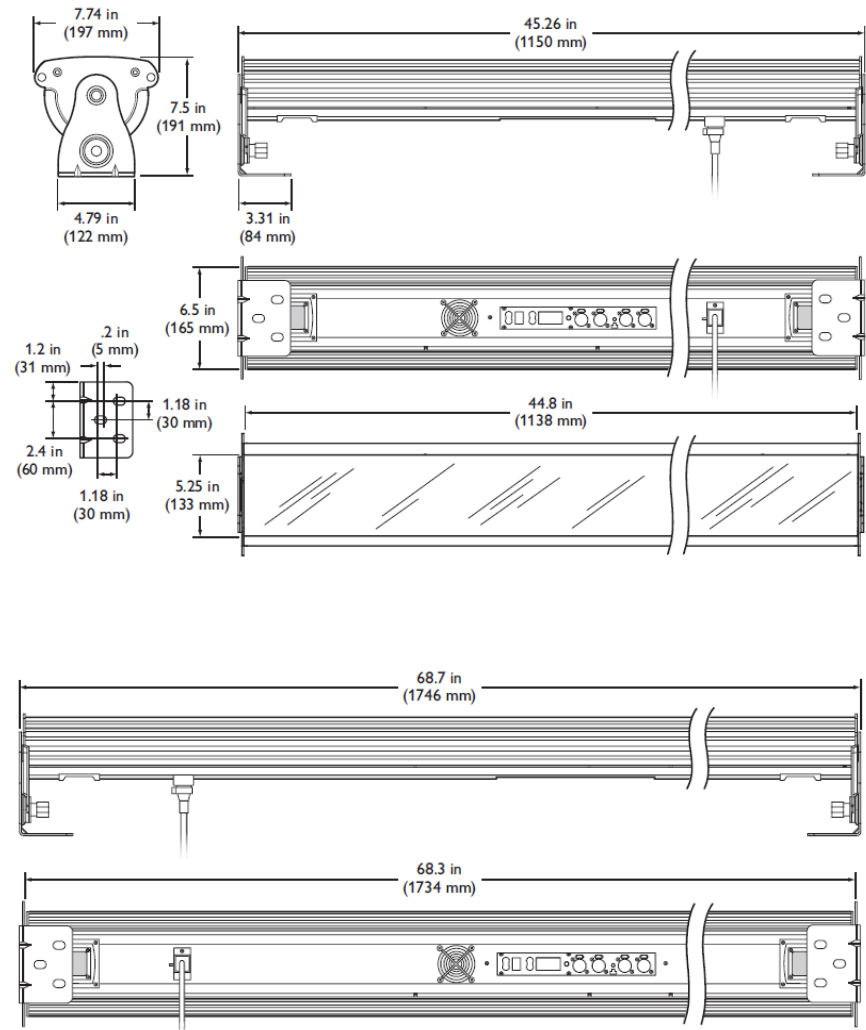
-4° – 122° F (-20° – 50° C) Start-up

Humidity

0 – 95%, non-condensing

Included in the box

PL TR2 RGB Striplight luminaire; (2) mounting brackets and knobs; UL-rated 1.8m IEC power cable, (600V 90°C rated jacket); 2x safety bonds; installation instructions.



Accessories

Designed specifically for the PL TR2 RGB Striplights, Accessory Holders screw to pre-tapped holes on the sides of the PL TR2 RGB Striplight housing. Accessory Holders hold Glass Spread Lenses and additional accessories available by special order from City Theatrical Inc. Pro Series Accessory Holders feature a spring clip to protect accessories from vibrations and rough handling. Black or white Accessory Holders can be used to match finishes when PL TR2 RGB Striplight luminaires are recessed in ceilings or walls.

Accessory Holders:

PL TR2 RGB 18	Standard & Pro Series	Black / White
PL TR2 RGB 12	Standard & Pro Series	Black / White

Glass Spread Lenses:

PL TR2 RGB 18 (3x 610mm sections)	36° / 50° horizontal spread 40° / 40° horizontal / vertical spread
PL TR2 RGB 12 (2x 610mm sections)	36° / 50° horizontal spread 40° / 40° horizontal / vertical spread

In addition to Accessory Holders and Glass Spread Lenses, Philips Selecon offers a line of accessories for PL TR2 RGB Striplights, such as top hats and egg crate louvers, available by special order.

Ordering Information

Code	Description
PLTR2RGB12	PL TR2 RGB Striplight 12, 1.2m RGB Linear luminaire with integrated power and DMX.
PLTR2RGB18	PL TR2 RGB Striplight 18, 1.8m RGB Linear luminaire with integrated power and DMX.
PLTR2AH18	Accessory Holder for PL TR2 RGB Striplight 18.
PLTR2AH12	Accessory Holder for PL TR2 RGB Striplight 12.
PLTR2HS18	36/50° Horizontal Glass Spread Lens for PL TR2 RGB Striplight 18 - set of 4.
PLTR2SL18	40° Glass Spread Lens for PL TR2 RGB Striplight 18 - set of 4.
PLTR2HS12	36/50° Horizontal Glass Spread Lens for PL TR2 RGB Striplight 12 - set of 3.
PLTR2SL12	40° Glass Spread Lens for PL TR2 RGB Striplight 12 - set of 3.

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