

PL TR1 RGB Floodlight



The PL TR1 RGB Floodlight is a rugged, full-colour LED wash luminaire designed specifically to withstand taxing stage, studio and touring environments.

Delivering a low energy colour wash the PL TR1 RGB Floodlight provides an almost infinite choice of colours including saturated hues with the output required for the small to mid-sized stage or studio.

- Maximum 50W power consumption
- Integrated intensity control: no need for external dimmer
- Very long life LED sources
- Choice of 6 luminaire or 12 luminaire power supply
- Compact, light-weight

A full range of accessories allow you to customise luminaires for a wide range of applications.

Features

10° Beam Angle (960 Lumens)
23° Beam Angle (859 Lumens)
Note: Lumen measurement complies with IES LM-79-08

The included 23° soft-focus and 10° clear tempered glass spread lenses allow you to switch quickly between soft-edge wash lighting and extended beam projection.

The pre-assembled mounting base offers a range of options for mounting on the floor or various stage truss clamps.

An integral safety bracket lets you attach the supplied safety cable.

A compensation circuit prevents damage to the luminaire if operating temperatures rise to unsafe levels. An auto-cycling feature automatically restores normal operation after 30 minutes.

Because stage and set environments can take their toll on equipment, the PL TR1 RGB Floodlight features an innovative elastomeric sleeve to protect the luminaire and lens from the rigors of multiple setups and teardowns.

Three year warranty – PL TR1 RGB Floodlight luminaire.
One year warranty – power supplies and accessories.

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: 24 VDC.

Power Consumption:
50 W maximum at full output, steady state.

Control

Interface: DMX via PDS750 or PDS375. Luminaire firmware addressable 8- or 16-bit control.

Control System: Philips controllers including Light Palette, Palette VL, 100+, 200+, or third-party DMX controllers (8- or 16-bit).

Certification & Safety

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

LED Class: Class 2 LED product.

Environment: Dry location, IP20.

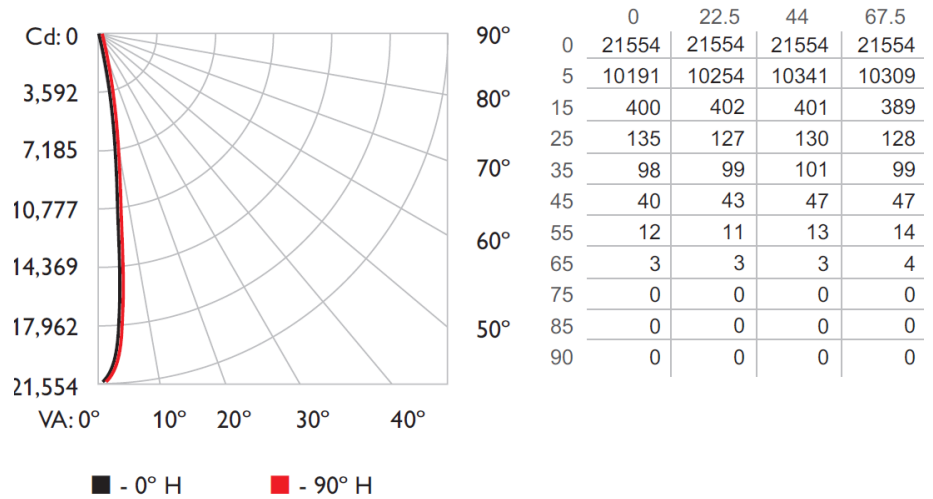
Photometric Data

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

PL TR1 RGB Floodlight 10° beam angle in Fc

LED	Lumens	Watts	Efficacy
RGB	960	50	19.2
R	315		
G	611		
B	136		

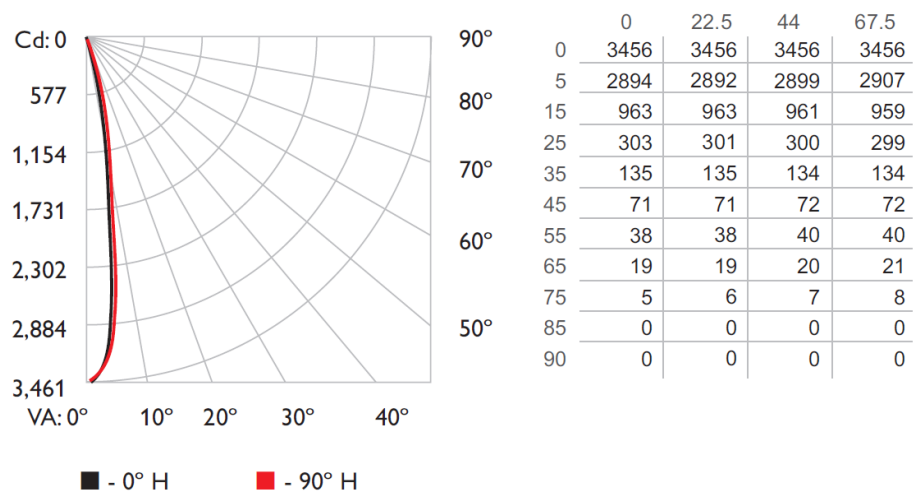
Polar Candela Distribution:



PL TR1 RGB Floodlight 23° beam angle in Fc

LED	Lumens	Watts	Efficacy
RGB	859	50	17.2
R	287		
G	558		
B	124		

Polar Candela Distribution:



For Lux please multiply Fc by 10.7

Physical Data

Dimensions (H x W x D): 203mm x 343mm x 66mm

Weight: 2.9kg

Housing: Die-cast aluminium, powder-coated black finish

Lenses

10° – clear glass 23° – frosted glass

Luminaire Connections: 1.8m power / data cable with 4-pin XLR connector

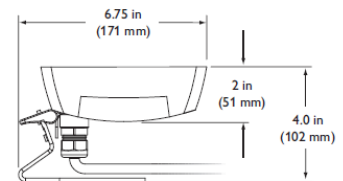
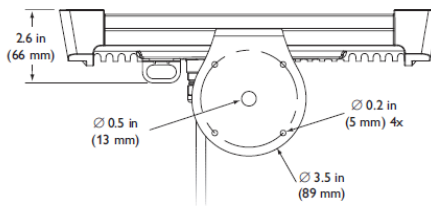
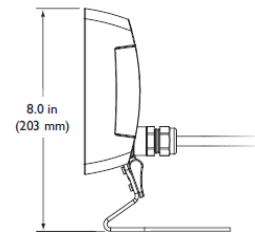
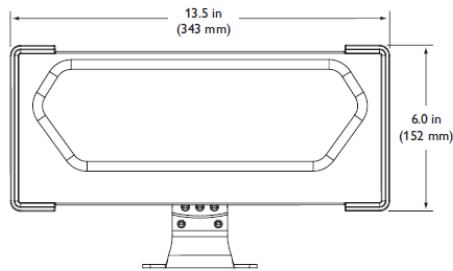
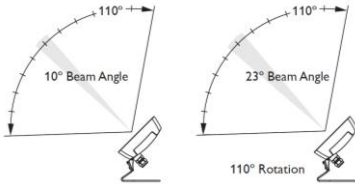
Temperature: -40° – 122° F (-40° – 50° C)

Humidity: 0 – 95%, non-condensing

Cable Length: 1.8m

Maximum Cable Length: up to 18m, four conductor cable terminated with XLR4

Included in the box: PL TR1 RGB Floodlight luminaire with 1.8m power cable; frosted glass 23° lens; clear glass 10° lens; protective elastomeric sleeve; 3/16 in hex key wrench; safety bond; installation instructions.



Ordering Information

Code	Description
PLTR1RGB	PL TR1 RGB 10° Floodlight, comes with 23° spread lens, 1.8m fitted cable. Accessory holder required for barndoor and other glass or holographic lens accessories. Requires PSU, refer below.
PLTR1PS12PM	PDS750 Pipe Mount 12 way Power Supply.
PLTR1PS12RM	PDS750 Rack Mount 12 way Power Supply.
PLTR1PS6	PDS375 TR 6 Way Power Supply.
PLTR1AH	Accessory Holder.
PLTR1HL	36/50 ° Horizontal Spread Lens.
PLTR1SL	40° Spread Lens.
PLTR1GD	Gel Diffuser.
PLTR1EC	Egg Crate.
PLTR1TH	Top Hat.
PLTR1HTH	1/2 Top Hat.
PLTR1BD	Barndoor

Accessories

Designed specifically for the PL TR1 RGB Floodlight, accessories provide additional options for controlling and dispersing light. Accessory holders screw to the side of the luminaire and are required for mounting accessories. Accessory holders prevent accessories from falling out if the luminaire is tipped or hung upside down.

NOTE: You must remove the protective sleeve before you can attach the accessory holder. Reinstall the protective sleeve after use.

	Item	Type
	Accessory Holders	Black (dry / damp / wet location)
	Half Top Hats	Black (dry / damp / wet location)
	Top Hats	Black (dry / damp / wet location)
	Egg Crate Louvers	Black (dry / damp / wet location)
	Barndoors	Black (dry / damp / wet location)
	Horizontal Spread Lens	36 / 50°
	Horizontal / Vertical Spread Lens	40° / 40°

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