

PL TR3 RGB High Output Floodlight



The PL TR3 RGB High Output Floodlight is designed to deliver a high intensity wash of light for a variety of stage and studio applications. Used in combination with our range of accessory lenses the luminaire can be a back drop or set light one day and a powerful long throw location source the next delivering deep rich color when you need it.

Each half of the luminaire is individually addressable and controllable, allowing you to use different spread lenses on each luminaire half to illuminate different areas with different colours and effects.

With unprecedented lumen output and light projection, this powerful luminaire represents the next generation in studio and stage lighting.

Features

With an output of over 5,200 lumens, light projection of over 240m, and a 5° native beam angle, the PL TR3 RGB High Output Floodlight is the first LED luminaire powerful enough to replace multiple flood and wash luminaires for brilliant large-scale and long-throw applications.

Entertainment-ready - high output, colour changing light with no gels to carry or moving parts to maintain.

The PL TR3 RGB High Output Floodlight is freestanding with accessory holder. Lightweight tubular yoke supports mounting to a pipe, truss, or stand. Available barndoors, top hats, half top hats, egg crate louvers, and gel frames slide into accessory holder for easy insertion and removal.

Spread lenses of 8°, 13°, 23°, 40°, 63°, and an asymmetric 5° x 17° support a variety of photometric distributions. Simply slot spread lenses behind accessory holder and secure with built-in toggle lens retainers.

Simple luminaire positioning in permanent installations - rugged, slim-profile mounting bracket offers pre-tapped holes for bolting luminaire to a substrate. Mounting bracket allows fixture rotation through a full 360°. Side locking T-Handle bolt reliably secures luminaire.

The PL TR3 RGB High Output Floodlight accepts a universal power input range of 100 to 240 VAC, allowing simple, location independent installation.

PL TR3 RGB High Output Floodlights work seamlessly with the full range of Philips DMX controllers including Light Palette, Palette VL, or any third-party DMX controller.

Output

Beam Angle:

8°, 13°, 23°, 40°, and 63° spread lenses.
5° x 17° asymmetric spread lens.

Lumens: 5,211

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

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

Mixing Distance: 15.2m to uniform light.

Lumen Maintenance:

90,000 hours L50 @ 25° C

68,000 hours L50 @ 50° C

(For specific applications, see Lumen Maintenance on page 2).

Note: L50 = 50% maintenance of lumen output. (When light output drops below 50% of initial output.)

Electrical

Input Voltage: 100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler

Power Consumption:

290 W maximum at full output, steady state

Control

Interface: Data Enabler (DMX or Ethernet).

Certification & Safety

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

LED Class: Class 2 LED product.

Environment: Dry / Damp Location.

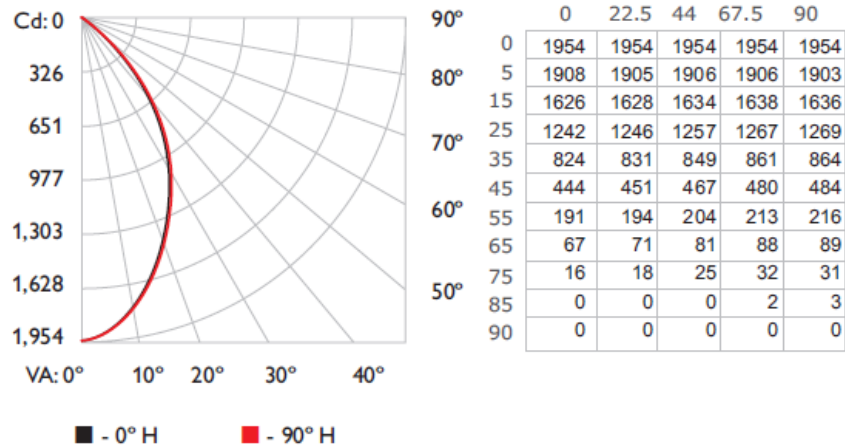
Photometric Data

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

PL TR3 RGB High Output Floodlight: 63° Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2395	146	16.4

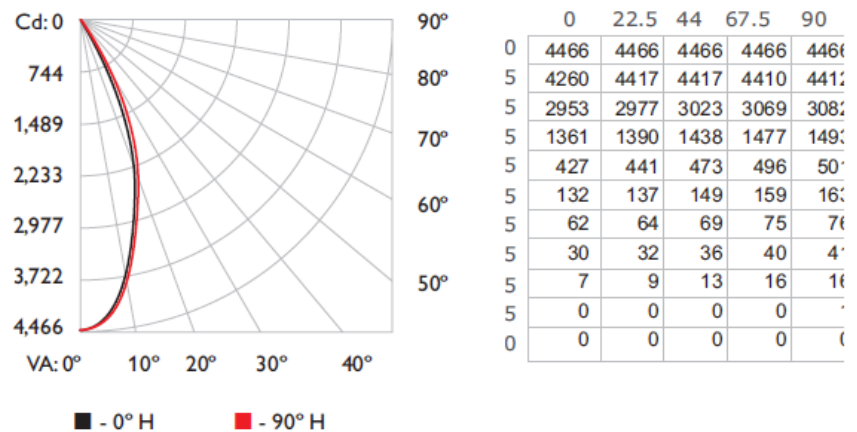
Polar Candela Distribution:



PL TR3 RGB High Output Floodlight: 40° Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2418	146	16.56

Polar Candela Distribution:



For Lux please multiply Fc by 10.7

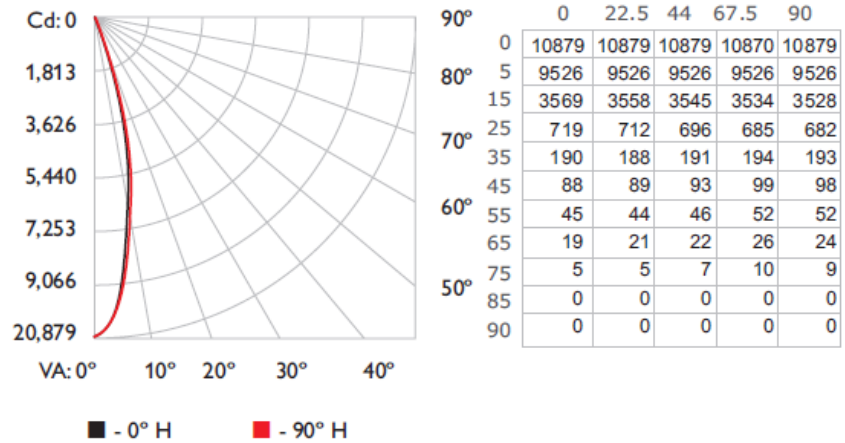
Photometric Data

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

PL TR3 RGB High Output Floodlight: 23° Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2415	146	16.54

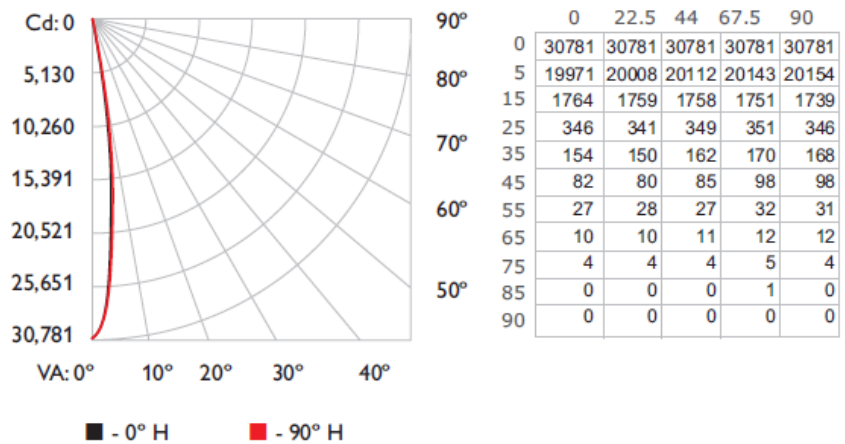
Polar Candela Distribution:



ColorReach TR Powercore : 13° Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2423	146	16.59

Polar Candela Distribution:



For Lux please multiply Fc by 10.7

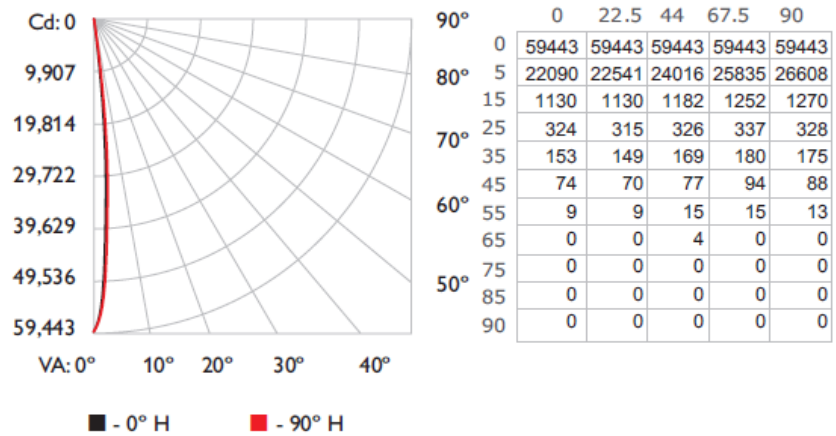
Photometric Data

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

PL TR3 RGB High Output Floodlight: 8° Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2447	146	16.76

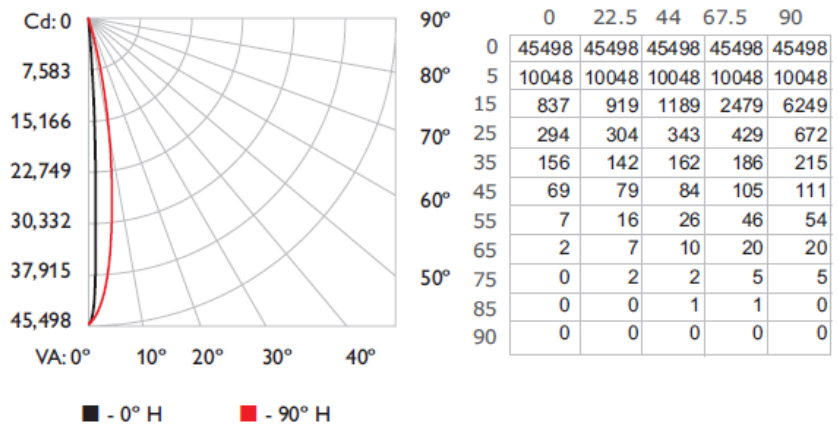
Polar Candela Distribution:



PL TR3 RGB High Output Floodlight: 5° x 17° Asymmetric Spread Lens

LED	Lumens	Watts	Efficacy
RGB	2474	146	16.95

Polar Candela Distribution:



For Lux please multiply Fc by 10.7

Physical Data

Dimensions (H x W x D)

521mm x 734mm x 122mm

Weight

34kg

Effective Protected Area (EPA): 0.42 m2

Housing: Die-cast aluminium, powder-coated finish

Lens: Tempered glass

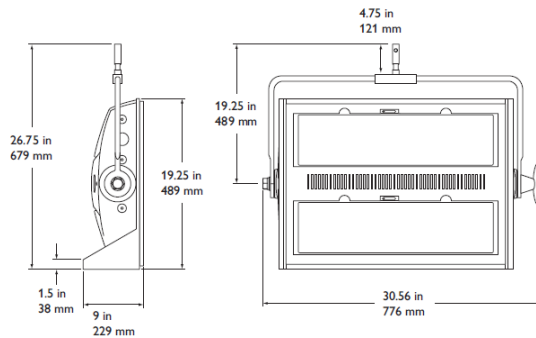
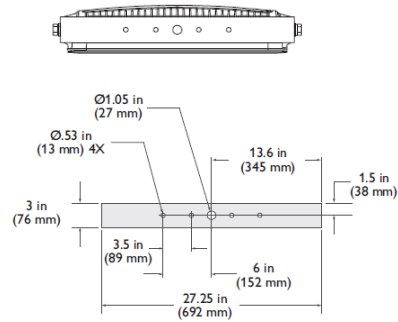
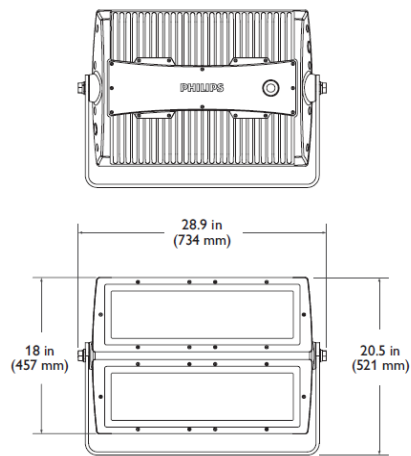
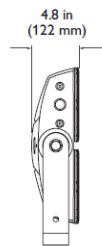
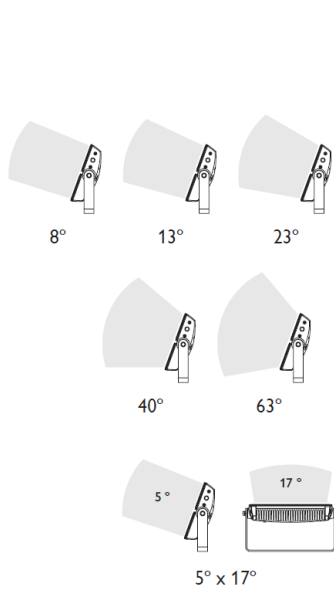
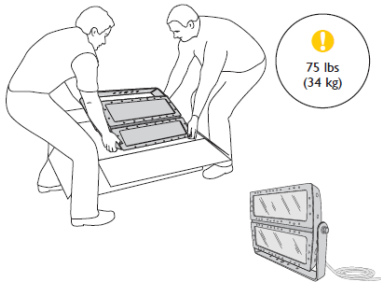
Luminaire Connections: Integrated 3.7m luminaire cable with flying leads

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 TR3 RGB High Output Floodlight luminaire; installation instructions



Lumen Maintenance

The table below details the specific lumen maintenance values per application.
Channel column refers to RGB channels.
Temperature value represents the fixture's ambient operating temperature.

1 Channel	L50*	L70*
@ 25°C	100,000+ hours	100,000 hours
@ 50°C	100,000+ hours	90,000 hours
2 Channel	L50*	L70*
@ 25°C	100,000+ hours	90,000 hours
@ 50°C	90,000 hours	70,000 hours
3 Channel	L50*	L70*
@ 25°C	90,000 hours	70,000 hours
@ 50°C	68,000 hours	45,000 hours

* L50 = 50% maintenance of lumen output. (When light output drops below 50% of initial output.)

* L70 = 70% maintenance of lumen output. (When light output drops below 70% of initial output.)

Ordering Information

Code	Description
PLTR3RGB	PL TR3 RGB High Output Floodlight - 5200 Lumens, comes with accessory holder; data enabler and 28mm spigot.
PLTR3SL13	13° Spread Lens.
PLTR3SL23	23° Spread Lens.
PLTR3SL40	40° Spread Lens.
PLTR3SL63	63° Spread Lens.
PLTR3SL517	5/17° Spread Lens.
PLTR3SL8	8° Spread Lens.
PLTR3EC	Egg Crate.
PLTR3TH	Top Hat.
PLTR3HTH	1/2 Top Hat.
PLTR3CF	Colour Frame.
PLTR3BD	Bamdoor.

Accessories

Designed specifically for PL TR3 RGB High Output Floodlight luminaires, accessories provide additional options for controlling light output.

The Accessory Holder is used to mount Spread Lenses and other accessories. Spread Lenses slot in between the Accessory Holder and the top and bottom halves of the luminaire housing, and are secured by flipping down the Accessory Holder's built-in toggle lens retainers. Gel Frames slide into the Accessory Holder's back slot, while Top Hats, Half Top Hats, Barndoors, and Egg Crate Louvers slide into the front slot. This arrangement allows simple and rapid fixture set-up with multiple accessories.

Spread Lenses can be fitted without removing an installed Top Hat, Half Top Hat, or Barndoor.

Item	Type
Accessory Holder <i>Includes yoke and hardware</i> 	Black Finish
Spread Lens 	8°
	13°
	23°
	40°
	63°
	Asymmetric (5° x 17°)
Half Top Hat 	Black Finish
Top Hat 	Black Finish
Egg Crate Louver 	Black Finish
Barndoor 	Black Finish
Gel Frame 	Black Finish

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