

# PL TR3 White High Output Floodlight



**The PL TR3 White High Output Floodlight is a road-ready intelligent white LED floodlight, specifically designed to withstand the rigors of the temporary and touring markets.**

The PL TR3W tunable white light luminaire 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 soft light or set light one day and a powerful long throw location source the next delivering tunable white light when you need it.

Each half of the luminaire is individually adjustable for beam and intensity and may be tuned to a wide range of colour temperatures from tungsten to daylight.

With significantly more lumen output than any other competitive luminaire and unprecedented light projection, this powerful luminaire represents the next generation in studio and stage lighting.

## Features

With an output of over 10,000 lumens, light projection of over 240m, the PL TR3 White 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.

Channels of warm white and cool white LEDs produce colour temperatures ranging from 2700° K to 6500° K. Luminaire brightness can be adjusted while varying or maintaining constant colour temperature.

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

## Output

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

**Lumens:** 10,950 (without spread lens, full unit)  
**Note:** Lumen measurement complies with IES LM-79-08 testing procedures.

**Colour Temperature:** 2700° K – 6500° K.

**Efficacy (Lm / W):**  
43.8 (without spread lens, full unit).

**CRI:** 68.5.

**Mixing Distance:** 15.2m to uniform light.

**Lumen Maintenance:**  
70,000 hours L70 @ 25° C  
37,000 hours L70 @ 50° C  
90,000 hours L50 @ 25° C  
68,000 hours L50 @ 50° C  
**Note:** L50 = 50% maintenance of lumen output. (When light output drops below 50% of initial output.) Ambient temperature specified.

## Electrical

**Input Voltage:**  
100 – 240 VAC, auto-switching, 50 / 60 Hz.

**Power Consumption:**  
250W maximum at full output, steady state.

**Power Factor:**  
.994 (without spread lens, full unit).

## Control

**Interface:** Data Enabler (DMX or Ethernet).

**Control System:** Philips full range of controllers, including Light Palette, Palette VL, or third-party DMX controllers.

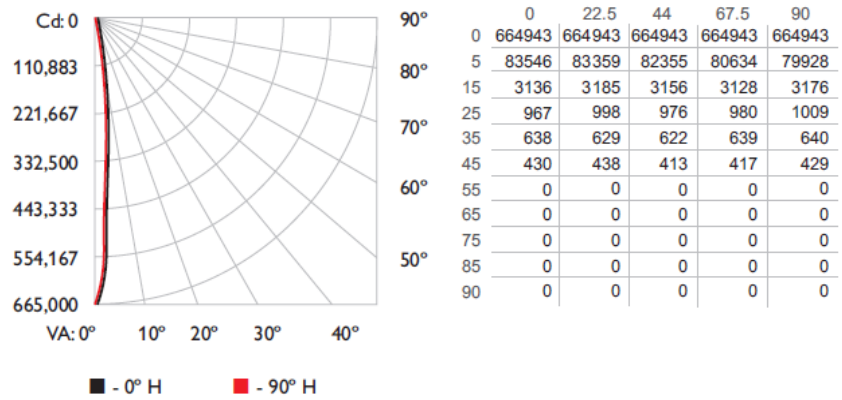
## Photometric Data

Photometric data is based on test results from an independent NIST traceable testing lab.  
IES data is available at [www.seleconlight.com/ies](http://www.seleconlight.com/ies)

### PL TR3 White High Output Floodlight : Without spread lens, full unit

Power Consumption	250W
Lumens	10,950
Efficacy	43.8 Lm/W

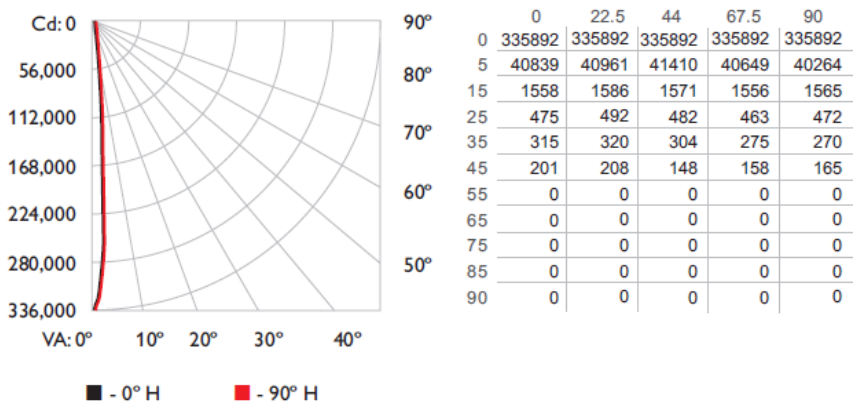
#### Polar Candela Distribution:



### PL TR3 White High Output Floodlight: Without spread lens, half unit

Power Consumption	250W
Lumens	5,406
Efficacy	43.2 Lm/W

#### Polar Candela Distribution:



For Lux please multiply Fc by 10.7

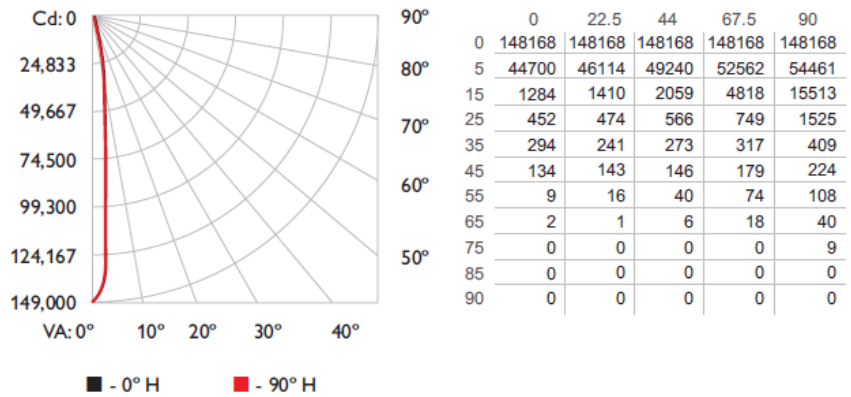
## Photometric Data

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.seleconlight.com/ies](http://www.seleconlight.com/ies)

### PL TR3 White High Output Floodlight: 8° Spread Lens

Power Consumption	125W
Lumens	4,902
Efficacy	39.2 Lm/W

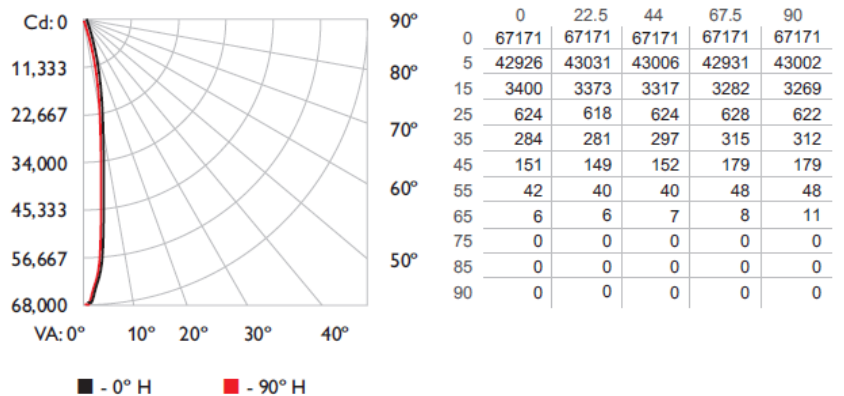
#### Polar Candela Distribution:



### PL TR3 White High Output Floodlight: 13° Spread Lens

Power Consumption	125W
Lumens	4,873
Efficacy	38.9 Lm/W

#### Polar Candela Distribution:



For Lux please multiply Fc by 10.7

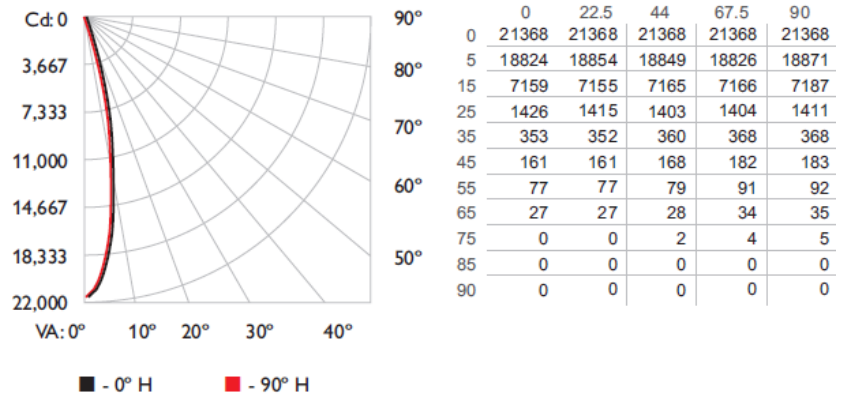
## Photometric Data

Photometric data is based on test results from an independent NIST traceable testing lab.  
IES data is available at [www.seleconlight.com/ies](http://www.seleconlight.com/ies)

### PL TR3 White High Output Floodlight: 23° Spread Lens

Power Consumption	125W
Lumens	4,766
Efficacy	38.1 Lm/W

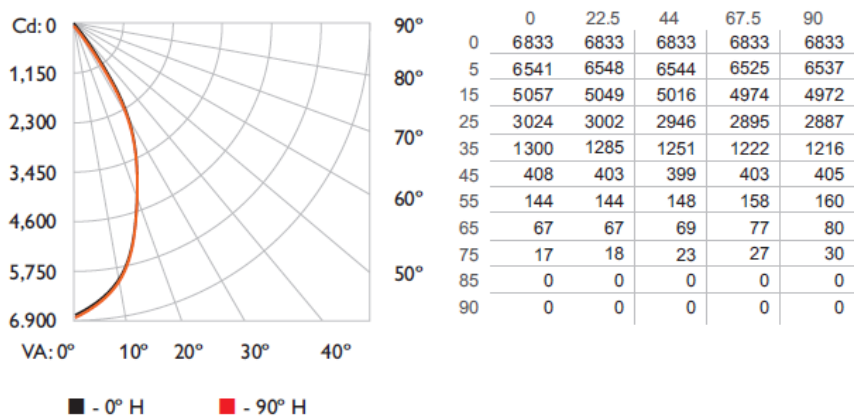
#### Polar Candela Distribution:



### PL TR3 White High Output Floodlight: 40° Spread Lens

Power Consumption	125W
Lumens	4,692
Efficacy	37.5 Lm/W

#### Polar Candela Distribution:



For Lux please multiply Fc by 10.7

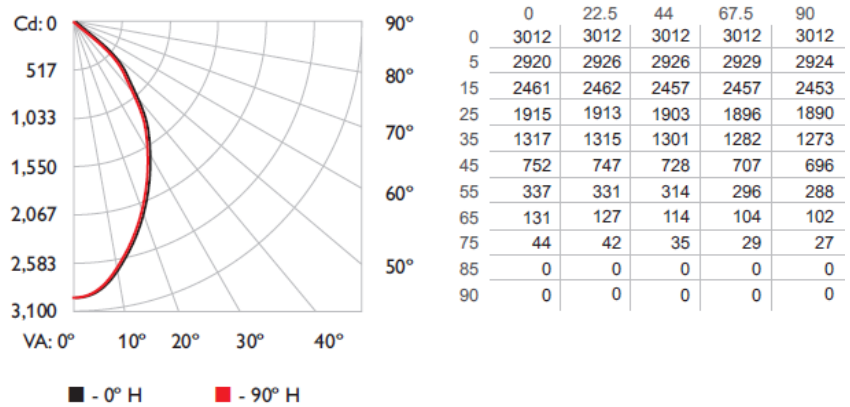
## Photometric Data

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.seleconlight.com/ies](http://www.seleconlight.com/ies)

### PL TR3 White High Output Floodlight: 63° Spread Lens

Power Consumption	125W
Lumens	4,626
Efficacy	37.0 Lm/W

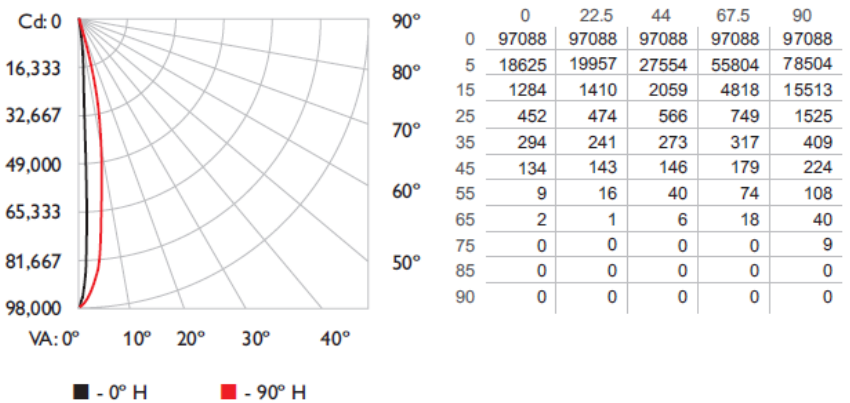
#### Polar Candela Distribution:



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

Power Consumption	125W
Lumens	4,969
Efficacy	39.7 Lm/W

#### Polar Candela Distribution:



For Lux please multiply Fc by 10.7

## Certification & Safety

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

**LED Class:** Class 2 LED product.

**Environment:** Dry / Damp Location.

## Physical Data

### Dimensions (H x W x D)

521mm x 734mm x 122mm

### Weight

34kg

**Effective Protected Area (EPA):** 0.42 m<sup>2</sup>

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

**Lens:** Tempered glass

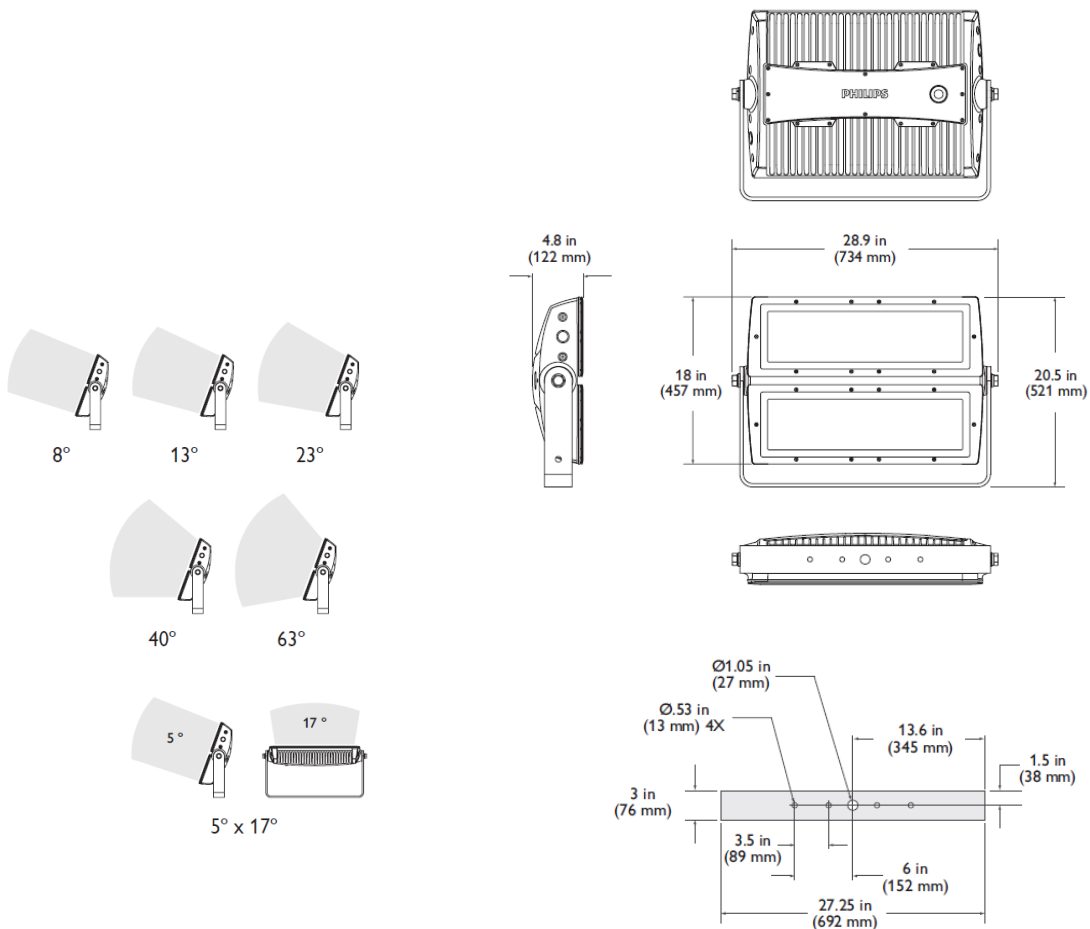
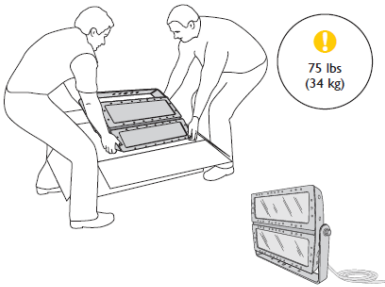
**Luminaire Connections:** 3.7m unified power / data cable

**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 White High Output Floodlight luminaire; installation instructions



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## Lumen Maintenance

The table below details the specific lumen maintenance values per application. Temperature value represents the luminaire's ambient operating temperature.

<b>Warm</b>	<b>L50*</b>	<b>L70*</b>
@ 25°C	100,000+ hours	90,000 hours
@ 50°C	90,000 hours	70,000 hours
<b>Cool</b>	<b>L50*</b>	<b>L70*</b>
@ 25°C	100,000+ hours	90,000 hours
@ 50°C	90,000 hours	70,000 hours
<b>Full</b>	<b>L50*</b>	<b>L70*</b>
@ 25°C	90,000 hours	70,000 hours
@ 50°C	68,000 hours	37,000 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.)

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## Ordering Information

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<b>Code</b>	<b>Description</b>
PLTR3W	PL TR3 White High Output Floodlight - 10000 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 White 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

You can exchange Spread Lenses without removing an installed Top Hat, Half Top Hat, or Barndoor.

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