

# PULSESTAR PSTR White-Light High Intensity Pulsed Lighting for ANPR/LPR



w72 series



w48 series &  
w96 series (2x)



w32 series



w24 series



## High-Intensity Pulsed Illumination

Delivers up to 440W of pulsed White-Light illumination. Pulsing ensures the highest levels of light on-scene to illuminate fast-moving objects while extending LED life and maximising energy savings.



## Individual Illuminator Control System

Each LED panel can be controlled and operated individually via dedicated channels from the PSU, offering greater flexibility for multi-lane installations, mobile applications etc.



## VARIO Interchangeable Lens System

Angle of illumination can be easily, quickly, and precisely adjusted by changing the VARIO holographic lens insert to match the specific camera field of view.



## Hot-spot Reduction Technology (HRT)

The HRT system delivers a highly diffused, elliptical beam system to deliver more light where it's needed most. Also prevents overexposure of foreground subjects.



## Integrated Pulse Controller

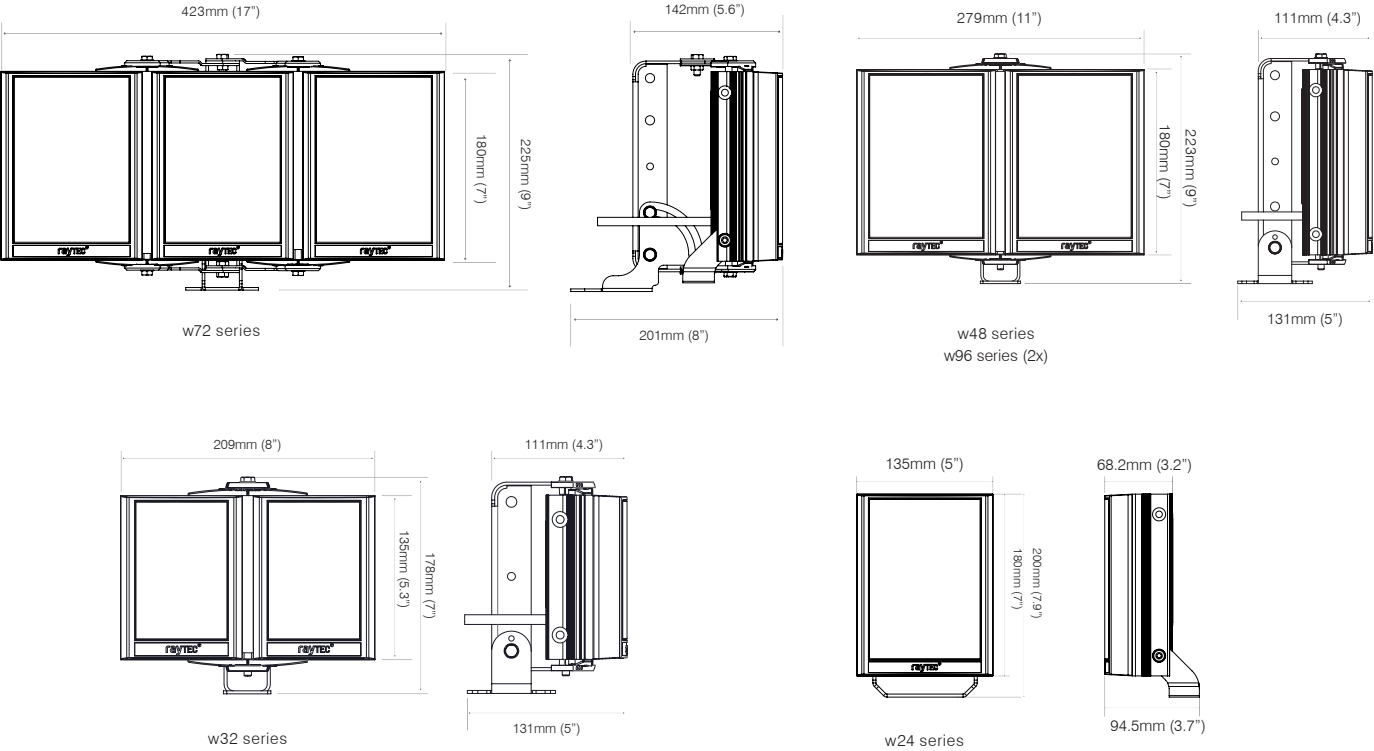
The in-built pulse controller allows the timing, height, and width of the lighting pulse to be tailored to each application. The ethernet-based communication interface allows easy installation and operation.



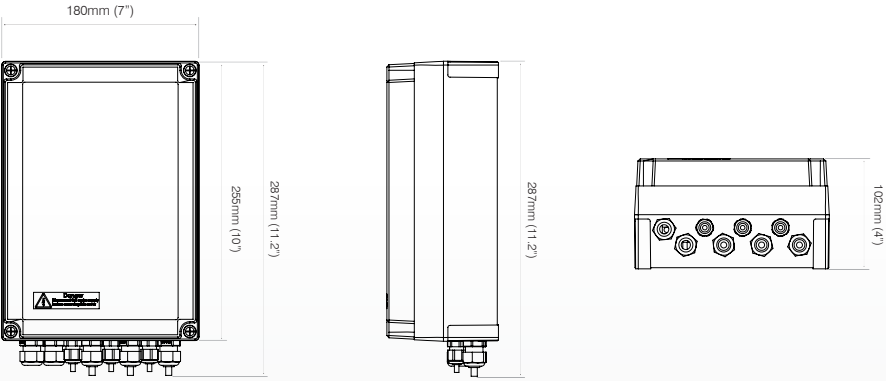
## Camera Sync

A TTL trigger input allows the illumination to be pulsed in synchronisation with the camera shutter to deliver maximum light levels precisely when needed.

# Product Dimensions



## PULSESTAR Controller



# Technical Specifications

## Illuminator

Model	PSTR-w24	PSTR-w32	PSTR-w48	PSTR-w72	PSTR-w96
Lighting Drive Power (pulsed)*	110W	150W	220W	330W	440W
Consumption	11W	15W	22W	33W	44W
Number of LEDs	24	32	48	72	96
Input	Universal 100-230V AC (PSU included - details below) 24V DC options available - contact Raytec				
LED type	Platinum Elite twin-core SMT LEDs				
Illumination Angle	Standard pack includes 10°x10°, 20°x10° and 35°x10° lenses Other angles available on request				
Beam Shape	Elliptical with HRT (Hot-Spot Reduction Technology)				
Beam Angle System	VARIO Interchangeable Lens System				
Typical Pulse Width	2 ms				
Trigger Input	TTL - 3.3 - 24V DC				
12V DC Power Output	1A				
Control / Communication	Ethernet				
Wavelength	White-Light				
IP Rating	IP66				
Temperature Range	-20° to +45°C (-4 to 113°F)				
Colour	Silver				
Weight	1.65kg (3.6lbs)	2.25kg (5 lbs)	4.5kg (9.9lbs)	6kg (13.2lbs)	2 x 4.5kg (9.9lbs)
Dimensions	135 x 180 x 68.2mm (5" x 7" x 2.6" approx.)	209 x 178 x 111mm (8" x 7" x 4.3" approx.)	279 x 223 x 111mm (11" x 9" x 4.3" approx.)	423 x 225 x 142mm (17" x 9" x 5.6" approx.)	2 off 279 x 223 x 111mm (11" x 9" x 4.3" approx.)
Bracketry	U bracket included	Adaptive Illumination mounting bracket included	Adaptive Illumination mounting bracket included	Adaptive Illumination mounting bracket included	2 x Adaptive Illumination mounting brackets included
Country of Manufacture	United Kingdom				

## External Power Supply (included)

Input	Universal 100-230V AC auto-sensing				
Output	13W	17W	25W	37W	49W
Weight	1.7kg (3.75lbs)	1.7kg (3.75lbs)	2.0kg (4.4lbs)	2.3kg (5.1lbs)	2.3kg (5.1lbs)
Dimensions	181 x 287 x 107mm (8" x 12" x 4" approx.)				

## 5 YEAR WARRANTY

All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years



## Product Codes

Part Codes	Description	Angles	Distances
PSTR-w96-HV	PULSESTAR w96, White-Light, with 3 angle options included, 100-230V AC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w72-HV	PULSESTAR w72, White-Light, with 3 angle options included, 100-230V AC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w48-HV	PULSESTAR w48, White-Light, with 3 angle options included, 100-230V AC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w32-HV	PULSESTAR w32, White-Light, with 3 angle options included, 100-230V AC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w24-HV	PULSESTAR w24, White-Light, with 3 angle options included, 100-230V AC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w96-LV	PULSESTAR w96, White-Light, with 3 angle options included, 24V DC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w72-LV	PULSESTAR w72, White-Light, with 3 angle options included, 24V DC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w48-LV	PULSESTAR w48, White-Light, with 3 angle options included, 24V DC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w32-LV	PULSESTAR w32, White-Light, with 3 angle options included, 24V DC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec
PSTR-w24-LV	PULSESTAR w24, White-Light, with 3 angle options included, 24V DC	10°x10°	Contact Raytec
		20°x10°	Contact Raytec
		35°x10°	Contact Raytec

Other angles are available - contact Raytec

\* Distances are camera and set-up dependant