rayMAX IP and rayLUX IP
illuminators installation guide

This installation guide provides instructions for installing the RAYMAX and RAYLUX series illuminators

Installation Steps
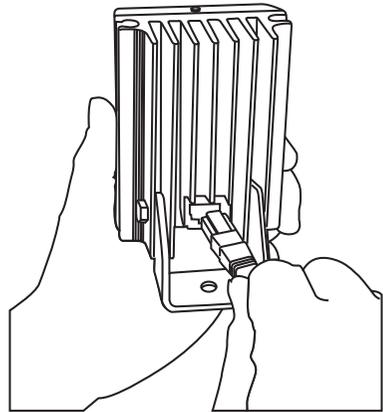
1. Mount Illuminator
2. Connect Power

Set Up Steps

1. Optional night set-up for optimum image performance
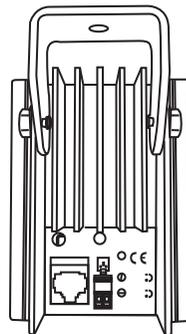2. Adjust vertical angle
3. Tighten all fixings

Package Contents
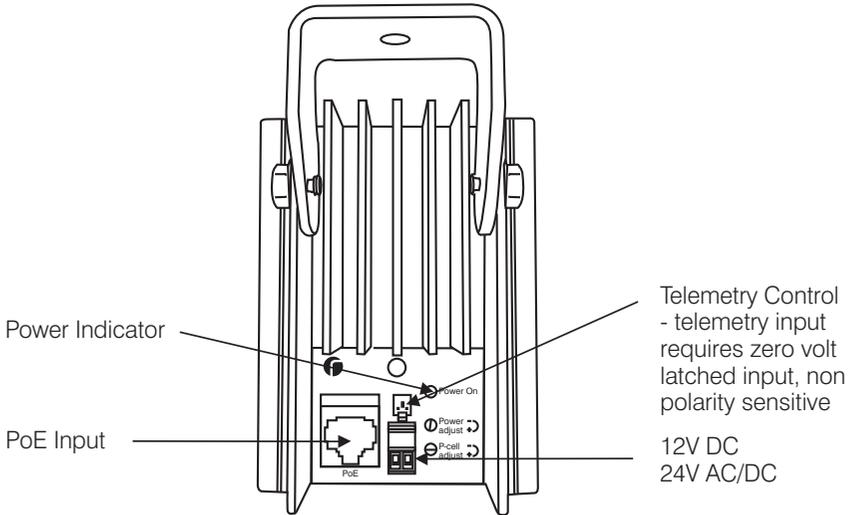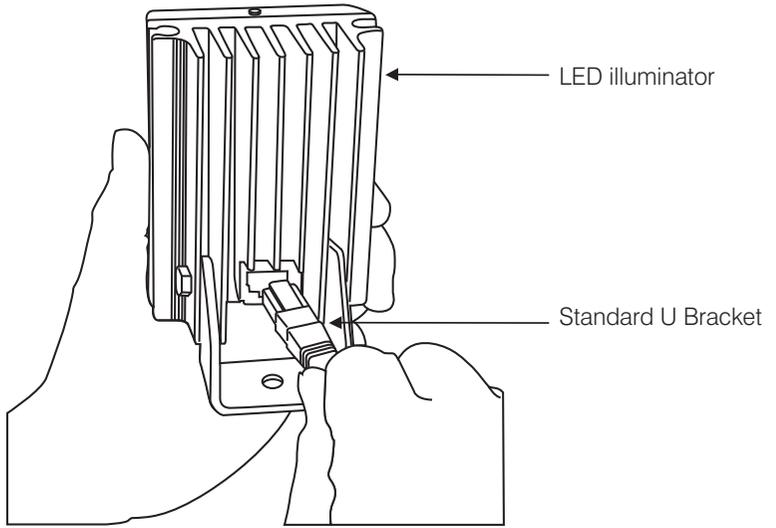
1. Illuminator with Integrated PSU

Overview

RAYMAX IP / RAYLUX IP illuminator

Integrated PSU
(back of illuminator)

LED illuminator

Standard U Bracket

Power Indicator

PoE Input

PoE

Power On

Power adjust

P-cell adjust

Telemetry Control - telemetry input requires zero volt latched input, non polarity sensitive
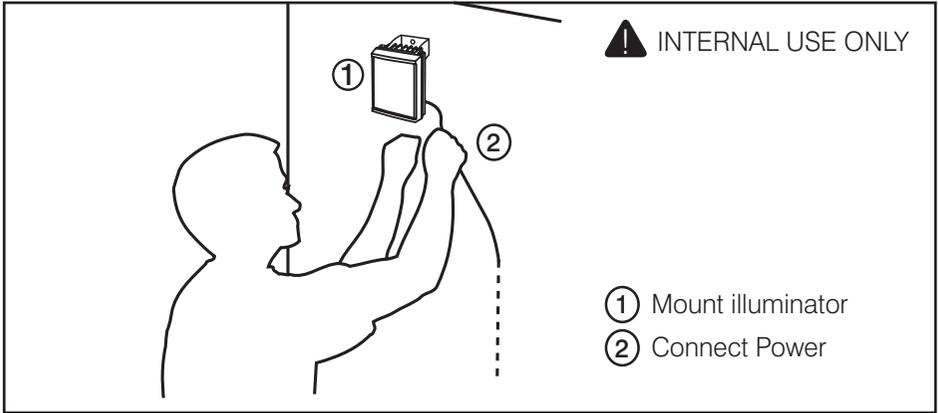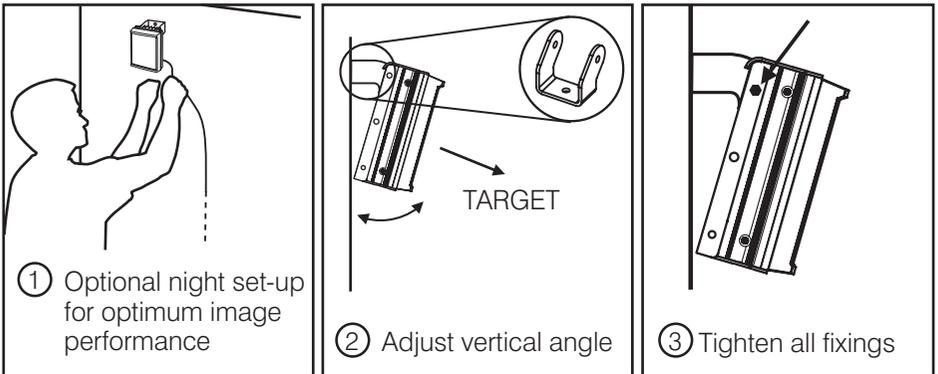
12V DC
24V AC/DC

Install internally only

Install in a well ventilated area

1.5m

Do not continually stare at lamp

Installation

⚠ INTERNAL USE ONLY

① Mount illuminator
② Connect Power

Set Up

① Optional night set-up for optimum image performance

TARGET

② Adjust vertical angle

③ Tighten all fixings

Match illumination to camera field of view

Camera

X

Light

Reduces performance

Light

X

Camera

May cause hot spots

Camera

Light

✓

Best performance
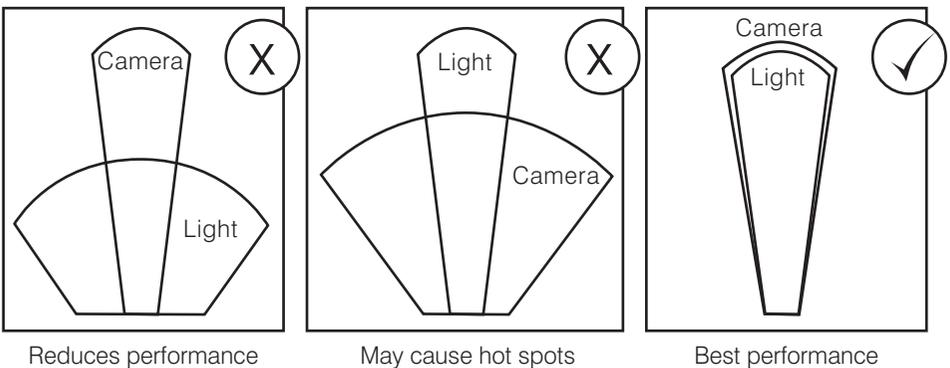
Technical Drawings (Not to scale)

Standard Bracketry

12.5mm
(0.5")

25mm
(1")

47mm
(1.9")

RM/RL 25 IP

Optional Bracketry

Wall Mount
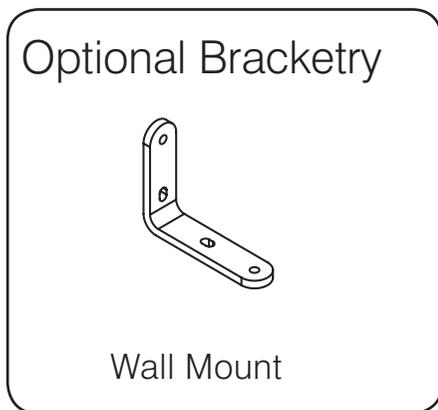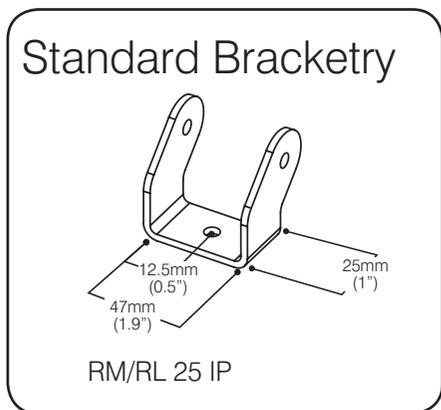
Specifications

INFRA-RED and WHITE-LIGHT Series

Input	Output	PoE	Photocell	Adjustable Power	Weight	Dimensions L x W x D
PoE or 12V DC 24AC/DC	12W	IEEE802af Compliant Interface Power classification (class 0) CAT5 Cable	Integrated (adjustable sensitivity)	10% - 100%	1.0kg (2.2lbs)	75 x 100 x 54mm 3" x 4" x 2" (approx)

Command and Control
Integrated Power Supply Features

STANDARD PSU

• Adjustable photocell
• Adjustable power
• Telemetry input

Trouble Shooting

Step 1: Basics

Check blue LED 'power on' light is illuminated on the back of the IP unit.

If **Yes**,

- Ensure power adjust is turned to the maximum level.
- Ensure Photocell is covered and if necessary adjust the photocell sensitivity.

If **No**,

- Confirm that the PoE injector unit is fully functioning.
  NB: Refer to manufacturer's guide
- Check that the cable is fully intact, and not broken or split.

Step 2: Set-up Camera, lens and illumination

Check alignment of lamp

Check camera lens – fully open at night & set correctly.

Check model number to Raytec performance specification to ensure required distance is achievable.

Step 3: Call Raytec for further assistance

Note down:

- Model and serial number of illuminator
- Camera make and model
- Lens make and model

If the Raytec lamp is still not delivering the required performance, please contact us for further assistance.

rayTEC