

## LED Lamps

Multi segment / Long life: 30,000 hours / Low temperature  
24V & 110V AC/DC / 230V AC / Complete with locking nut  
Current rating 20mA

### 16mm LED Pilot Lamps (IP65)



Part Number	Description	Colour
RAD161B	White 24V AC/DC	<input type="checkbox"/>
RAD163B	Green 24V AC/DC	<input type="checkbox"/>
RAD164B	Red 24V AC/DC	<input type="checkbox"/>
RAD165B	Amber 24V AC/DC	<input type="checkbox"/>
RAD166B	Blue 24V AC/DC	<input type="checkbox"/>
RAD161F	White 110V AC/DC	<input type="checkbox"/>
RAD163F	Green 110V AC/DC	<input type="checkbox"/>
RAD164F	Red 110V AC/DC	<input type="checkbox"/>
RAD165F	Amber 110V AC/DC	<input type="checkbox"/>
RAD166F	Blue 110V AC/DC	<input type="checkbox"/>
RAD161P	White 230V AC	<input type="checkbox"/>
RAD163P	Green 230V AC	<input type="checkbox"/>
RAD164P	Red 230V AC	<input type="checkbox"/>
RAD165P	Amber 230V AC	<input type="checkbox"/>
RAD166P	Blue 230V AC	<input type="checkbox"/>

### 22mm LED Pilot Lamps (IP65)



Will fit all  
standard  
control  
stations

Part Number	Description	Colour
RAD221B	White 24V AC/DC	<input type="checkbox"/>
RAD223B	Green 24V AC/DC	<input type="checkbox"/>
RAD224B	Red 24V AC/DC	<input type="checkbox"/>
RAD225B	Amber 24V AC/DC	<input type="checkbox"/>
RAD226B	Blue 24V AC/DC	<input type="checkbox"/>
RAD221F	White 110V AC/DC	<input type="checkbox"/>
RAD223F	Green 110V AC/DC	<input type="checkbox"/>
RAD224F	Red 110V AC/DC	<input type="checkbox"/>
RAD225F	Amber 110V AC/DC	<input type="checkbox"/>
RAD226F	Blue 110V AC/DC	<input type="checkbox"/>
RAD221P	White 230V AC	<input type="checkbox"/>
RAD223P	Green 230V AC	<input type="checkbox"/>
RAD224P	Red 230V AC	<input type="checkbox"/>
RAD225P	Amber 230V AC	<input type="checkbox"/>
RAD226P	Blue 230V AC	<input type="checkbox"/>
RAD-ADD22	Spanner	

### 22mm LED With Lamp Test Facility (IP65)



Part Number	Description	Colour
RADT221B	White (with test) 24V AC	<input type="checkbox"/>
RADT223B	Green (with test) 24V AC	<input type="checkbox"/>
RADT224B	Red (with test) 24V AC	<input type="checkbox"/>
RADT225B	Amber (with test) 24V AC	<input type="checkbox"/>
RADT226B	Blue (with test) 24V AC	<input type="checkbox"/>
RADT221F	White (with test) 110V AC	<input type="checkbox"/>
RADT223F	Green (with test) 110V AC	<input type="checkbox"/>
RADT224F	Red (with test) 110V AC	<input type="checkbox"/>
RADT225F	Amber (with test) 110V AC	<input type="checkbox"/>
RADT226F	Blue (with test) 110V AC	<input type="checkbox"/>
RADT221P	White (with test) 230V AC	<input type="checkbox"/>
RADT223P	Green (with test) 230V AC	<input type="checkbox"/>
RADT224P	Red (with test) 230V AC	<input type="checkbox"/>
RADT225P	Amber (with test) 230V AC	<input type="checkbox"/>
RADT226P	Blue (with test) 230V AC	<input type="checkbox"/>

**NB:** This range of LEDs offers a Lamp Test (or push to test) facility enabling individual or groups of lamps to be tested from a single push button by the application of a test voltage without interrupting normal operation.

Technical Data: **RAD16XX**  
16mm LED Pilot Lamps

**Important Safety Notice**

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to. All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.

Terminals, including factory fitted, should be checked periodically to ensure correct tightness.

**DO NOT USE POWER TOOLS ON THESE PRODUCTS**



Specifications	
Colour	Amber, Blue, Green, Red, White
Voltages	24V AC/DC, 110V AC/DC, 240V AC (AC only)
Lamp Head Diameter	19mm
Depth behind panel	45mm
Depth in front of panel	10mm
Number of chips	5
Wavelength green (gallium phosphide)	5600Å
Wavelength amber (gallium arsenide phosphide)	6300Å
Wavelength red (gallium arsenide phosphide)	6600Å
Operating temperature	-25°C to +55°C
Life expectancy	30000 hours
Termination Type	Screw

Technical Data:

Current Rating 20mA

Life Expectancy: 30,000 hours

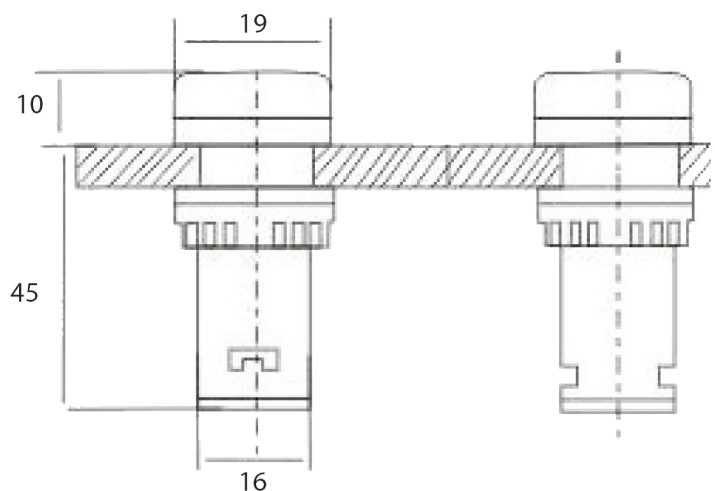
IP Rating 65

Operating Temperature -25°C to +55°C

Brightness: 600cd/m<sup>2</sup>

RoHs Compliant

CE Approved / EN60947



# Europa 22mm LED Pilot Lamps



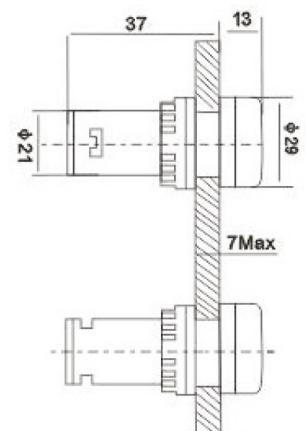
This superb range of LED lamps offers high illumination output, long life, low temperature and is supplied as a complete unit with encapsulated LED ready to fit. The range provides even lighting in each colour and is available in:

- White, Amber, Red, Green and Blue
- 24 V AC and DC
- 110 V AC and DC
- 230 V AC (50Hz)

## Technical Data:

- Current Rating 20mA
- Expected life: 30,000 Hours
- IP Rating: IP65
- CE Approved
- Brightness 60cd/m<sup>2</sup>
- RoHS Compliant
- Operating temperature - 25° + 55°

We also stock the RAD-AD22 tool to tighten the led lamps in position.

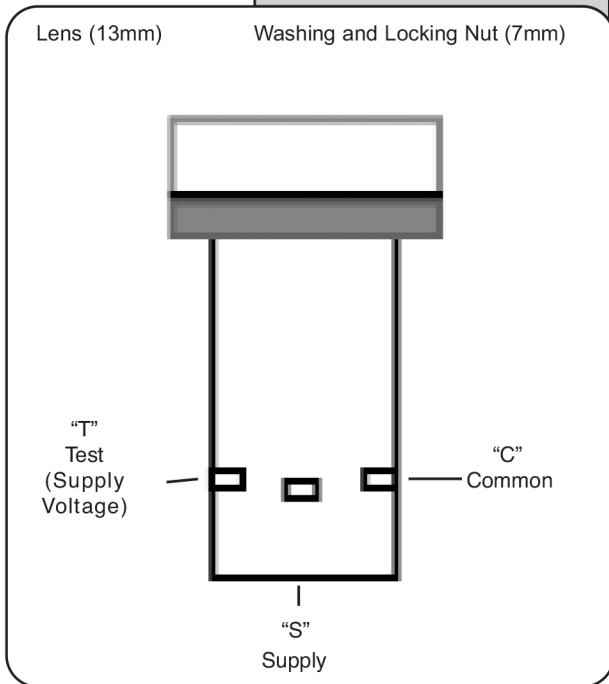


Technical Data: RADT22XX  
**22mm LED with Test (STC) Separate Test Connection**

**⚠ Important Safety Notice ⚠**

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to. Terminals, including factory fitted, should be checked periodically to ensure correct tightness.

All dimensions in mm



**Specifications:**

Expected Life: 30,000 Hours

Consumption:  $\leq 20\text{mA}$

IP Rating: IP65

Brightness:  $600\text{cd/m}^2$

Operating Temperature:  $-25^\circ\text{C}$  to  $+55^\circ\text{C}$

RoHs Compliant

CE Approved

IEC947-5-1

EN60947-5-1

