

RL30 LED/IR



RL30 LED/IR - low intensity red obstruction light

RL 30 LED/IR has a robust design with a minimum of maintenance need. The housing is made of electropolished stainless steel and the cover of UV-stabilized polycarbonate. Tykolex has long and reliable experience of low intensity obstruction light.

Conformance to ICAO, FAA, TSFS 2013:9 GEN and TSFS 2016:95 GEN for low intensity obstruction lights.

Applications: Masts, Towers, High Buildings, Chimneys, Power Line Pylons, Wind power plants

Benefits and key features for RL30:

- Low power consumption <8W
- EMC approved
- Lifetime > 100,000 h
- Intensity >32 cd<IR
- Color aviation red
- Horizontal plane 360°
- Vertical plane -10° .. +90°
- Easy installation
- Protection IP43
- Operating range -50° ..+55°C
- CE approved

- » Easy installation
- » Low power consumption
- » CE-approved

Lifetime:
100 000 h

Intensity:
> 32 cd

Operating range:
-50°C - +50°C

Light propagation:
Horizontal plane 360°
Vertical plane -10° - +90°

Tightness class:
IP43

RL 30 LED units

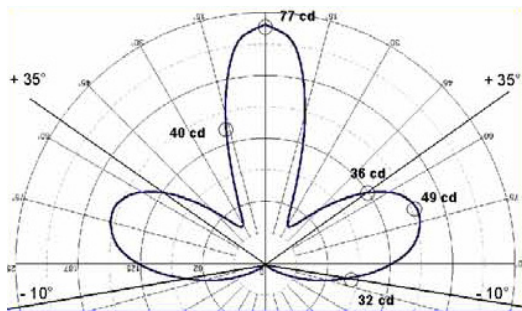
Part No.	Nom. operating voltage	Type	Power	Weight (kg)
11 990 300	48 VDC	Obstruction Light RL30 LED/IR 48 VDC	< 8	1,4
11 990 310	24 VDC	Obstruction Light RL30 LED/IR 24 VDC	< 8	1,4
11 990 320	230 VAC	Obstruction Light RL30 LED/IR 230 VAC	< 8	1,8
11 990 327	230 VAC	Obstruction Light 2x11 990 320 mounted on bracket	< 8	2,5
11 990 305	24 VCD / 230 VAC	Replacement LED/IR unit RL30 24/230V	-	0,5
11 990 307	48 VCD	Replacement LED/IR unit RL30 48V	-	0,5
11 991 110		Single holder for hor/ver stay	-	0,7
11 991 120		Safety glasses	-	-

Installation instruction:
719 913 11
RL30 LED /IR

A unique design with light distribution in the vertical plane from -10° to $+90^{\circ}$ which is extremely important for low flying aircrafts and helicopter traffic for emergency transports, car traffic surveillance and inspections of high voltage lines.

A multi group design of parallel-connected light emitting diodes is powered with stabilized constant current generators to guarantee high reliability. Parallel-connected zener diodes prevent a group black out in case of single LED failure.

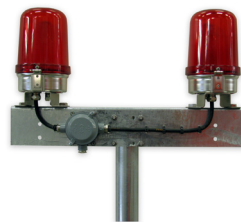
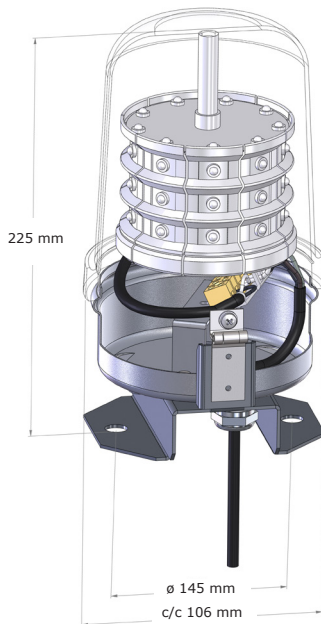
The input has two stages of over voltage protection. The LED units PCB's have conformal-coated electronic circuits for a reliable operation and long lifetime. EMC approval according to specification EN 55022:1998.



Light intensity distribution in the vertical plane



The light from these high intensive diods is harmful for the human eye. Safety glases must then be used when the obstruction light is inspected. Tykoflex supply high quality safety glasses with absorption of only the red light.



2 x 11 990 320 mounted on holder 11 990 327



Singleholder 11 991 110



Replacement unit installed in cover LED/IR-unit 11 991 305/307