



## ELLED Airfield LED-Lamps

# Current controlled omni-directional LED-lamp with a PK30d base

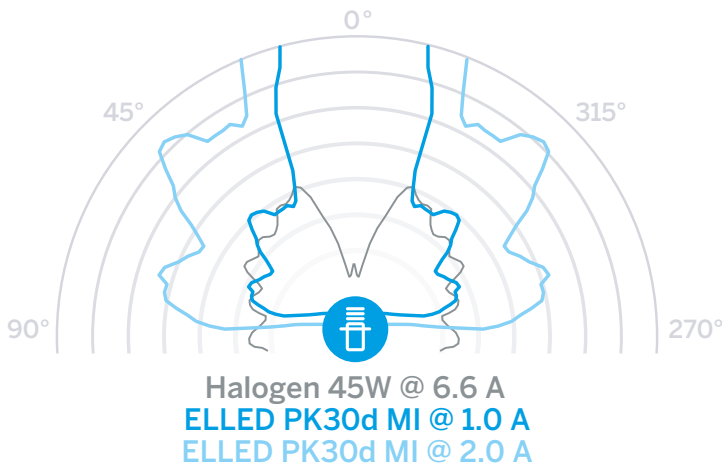
The airfield lighting applications provide essential visual guidance for aircrafts during taxi, take-off, approach, and landing. The ELLED™ LED-lamps are highly efficient with minimum number of components.



Linnapellontie 18, FI-24910 Halikko as, Finland /// Tel: +358 (0)2 737 250 /// [agl@ellego.fi](mailto:agl@ellego.fi)

## PK30d LED-lamp

### Candela Chart, Polar coordinates



### Applications and typical fixtures

- Elevated runway and taxiway lights
- Approach lights
- Guidance signs
- Helipad lights

### Key Features and Benefits

- Energy consumption reduces over 90% as compared to Halogen lighting.
- Fixture independent LED-lamp.
- The ELLED LED-lamps help reaching airport's carbon neutrality goals and reduce annual operational costs.

### Application notes

- The ELLED LED-lamps are designed to be operated on max. 2.4 A circuits.
- In Halogen fixture retrofit installations proper mounting must be ensured. Minor modifications to the fixtures may be necessary (installation kits available).
- Heat conducting putty must be used between a LED-lamp and a fixture (provided).
- Re-use of the existing fixtures may be possible. Contact ELLEGO for further information.

### Innovative AGL 3.0 concept

ELLEGO™ AGL is a unique concept that provides highly efficient operation with low costs. The ICAO light intensity requirements are reached at 1.0 - 2.4 A current depending on the fixture type. For this reason, the conventional 6.6 A current is not required. Combination of ELLEGO CCR and ELLED LED-lamps together with the existing serial circuit cables and existing lamp transformers provide a quick and easy access to fundamental LED efficiency. At the minimum, very low series circuit currents, down to 0.05 A, can be used. The maximum output voltage of 990 VAC of the ELLEGO CCR means easier and safer maintenance work, less insulation stress and longer lifetime of the AGL circuits. The ELLEGO CCR has many sophisticated features making operation, maintenance, and service easy. For new series circuit installations the investment costs will reduce, because smaller cable diameter and optimized lamp transformers can be used.

Patented: U.S. Patent No. 11,181,260B1, Pat. Pending EP3770495A1, AU2020204248, CA3084880, CN112283601A