



Lighting Solutions

The clear approach
to airports



Runway and taxiway lighting solutions

Airfield Lighting

Design - manufacture - install

A global experience of delivering airfield lighting systems



ATG airports are one of the world's leading airfield lighting specialist, manufacturing runway and taxiway fixtures. Now incorporating its wealth of experience gained in the production of tungsten halogen fixtures into the latest advanced LED lighting applications. Not just

specialising in lighting, but the design and manufacturing of power supplies and control equipment, while also providing turnkey solutions from our in-house team of specialist. All of which contribute to maintain safe and efficient airport operations.

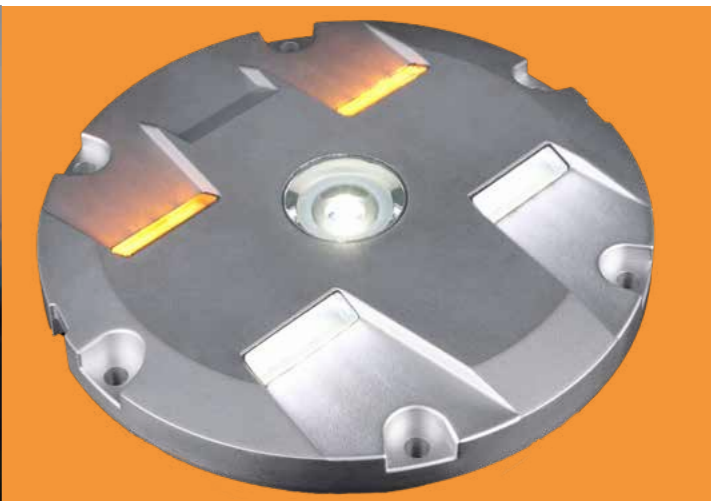
Built on experience

Runway and taxiway lighting is used at many different categories of airports around the world, and the actual installation of equipment utilised is dependent on the airfield type and operations conducted.

At any time, and in any type of conditions, in particular during the hours of darkness or in poor visibility, airfield ground lighting is necessary to provide pilots with critical information about the aircraft's alignment and orientation during the approach to,

and landing on the runway. Guidance is also needed during the take-off phase and while taxiing between the runway and main aprons.

By creating a range of solutions, for military and civil airfields, atg airports are able to meet these demanding requirements, and are at the forefront of the airfield ground lighting industry.



International Standards

Our solutions provide a range of approach, runway and taxiway lighting, utilising LED or tungsten halogen light sources, all of which are designed in compliance with ICAO, FAA, MOS139 and other relevant international standards.

Lighting solutions



Airport lighting is required to meet the operational needs of any airport in all-weather scenarios, in line with national aerodrome standards. To meet, and ensure performance in low visibility conditions, high intensity lighting must be installed. The performance of the individual lights is designed to meet a specific criterion for optical performance, colour perception and environmental conditions.



Compliance with standards

The key attributes of the latest range of high intensity LED fixtures, ensures compliance with stringent testing while also benefiting from, improved lighting efficiencies, reduction of power consumption, achieving intensity uniformity and streamlining maintenance requirements.

Performance and Reliability

As a safety critical element for the guidance of aircraft and also vehicles, around an airfield, the lighting deployed needs to function in many different environmental climates. To achieve this operational performance, all elements of the runway and taxiway lighting ranges, are designed to be robust and durable, providing user confidence and reliability.



Quality and efficiency

A lighting portfolio that covers the needs of High, Medium and Low intensity airfield requirements utilising the latest in LED technology, providing low power consumption, extended lamp life, reduction in total life cycle cost, withstanding harsh environments, minimum maintenance requirements, and built with the highest quality.

atg airports is a world renowned manufacturer of airfield lighting solutions, producing a range of products and services designed to maintain safe and efficient airport operations.



High Intensity LED Lighting

Approach Lighting

FX850AP
LED 12" inset approach
and side row
Protrusion height 4.0mm

FX862AP
LED elevated approach
and side row

IR880L
LED elevated PAPI system



Runway Threshold Lighting

FX850A
LED 8" runway centre line
Protrusion height 4.0mm

FX850B
LED 8" Touch down zone
Protrusion height 4.0mm

FX850C
LED 12" inset runway edge
light
Protrusion height 6.0mm

FX862C
LED elevated runway
edge

FX850D
LED 12" inset Threshold
(FAA)
Protrusion height 6.0mm

FX850ED
LED 12" inset threshold
(ICAO)
Protrusion height 6.0mm

FX850WB
LED 12" inset wingbar
Protrusion height 6.0mm

FX862TH
LED elevated threshold

FX862RE
LED elevated Runway end

FX862WB
LED elevated wingbar

FX862ED
LED elevated threshold
and runway end

FX862THA
LED elevated threshold

FX862REA
LED elevated runway end

FX862WBA
LED elevated wingbar

Taxiway Lighting

FX852C
LED 8" taxiway centreline
straight (narrow)
Protrusion height 4.0mm

FX852D
LED 8" inset taxiway
centreline curved (wide)
Protrusion height 4.0mm

FX852K
LED 8" inset taxiway
centreline curved
Protrusion height 4.0mm

FX8500
LED 8" inset taxiway
centreline offset
Protrusion height 4.0mm

FX852SO
LED 8" inset stopbar
offset
Protrusion height 4.0mm

FX852SC
LED 8" inset stopbar
straight (narrow)
Protrusion height 4.0mm

FX852S
LED 8" inset stopbar
straight (wide)
Protrusion height 4.0mm

FX852K
LED 8" inset stopbar
curved
Protrusion height 4.0mm

FX852CB
LED 8" inset intermediate
holding position
Protrusion height 4.0mm

FX862SBA
LED elevated stopbar

FX862SB
LED elevated stopbar

IR804L
LED runway guard light
(CATIII)

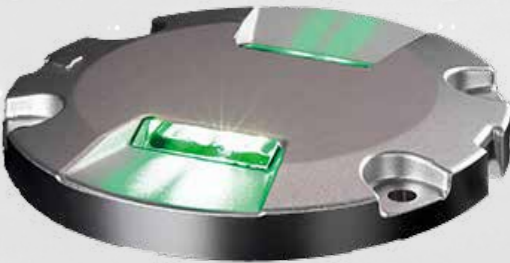
ZA389L
LED runway guard light

Apron Lighting

IR861T
LED elevated taxiway and
apron edge light

IR852T
LED 8" inset taxiway and
apron edge light

IR852ML
LED apron manoeuvring
light
Flush fitting



Medium Intensity LED Lighting

IR958L
LED elevated omni
directional runway edge

IR951L
LED 8" inset uni-
directional threshold

IR959L
LED 8" inset omni
directional runway edge

IR955L
LED 8" inset uni-
directional runway end

IR969L
LED 8" inset bi-directional
runway edge

IR952L
LED elevated omni
directional outer threshold

IR956L
LED elevated threshold
runway end

IR953L
LED 8" inset omni
directional outer threshold

IR957L
LED 8" inset bi-directional
threshold runway end

IR962CLB
LED elevated clearance
bar / intermediate hold



Low Intensity LED Lighting

IR901L
LED 8" inset uni-
directional threshold

IR908L
LED elevated omni
directional runway edge

IR902L
LED elevated omni
directional outer
threshold

IR909L
LED 8" inset omni
directional runway edge

IR905L
LED 8" inset uni-
directional runway end

IR906L
LED elevated threshold
runway end

IR907
LED 8" inset bi-directional
threshold runway end



Everything else you need for airfield lighting

Guidance Signs

The IR8581 airfield guidance sign is the latest model of airfield sign to be manufactured by atg airports. This sign is specifically designed to meet the international requirements for mandatory and information airfield guidance signs. The use of energy efficient LED provide long life while providing high visibility.



AGL control system

atg airports provide a range of airfield control solutions, all of which are designed to maximise the efficiency of the available infrastructure. Both the SmartPLC and SmartControl systems provide full AGL control and monitoring functionality, including individual lamp control and monitoring, and are both suitable for use at international hub airports.



Constant Current Regulators

The Micro range of constant current regulators are a well-established and recognised as one of the most reliable power sources for airfield lighting circuits. The CCR's are microprocessor-controlled units integrating high speed protection loops for performance and safety.



Turnkey solutions

With a highly skilled installation team adept at completing a variety of airside projects, from simple luminaire replacement projects through to complex runway development and refurbishment projects, atg airports have a team able to work in the toughest environments to the tightest of deadlines.





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**THINK
BEFORE YOU
PRINT**