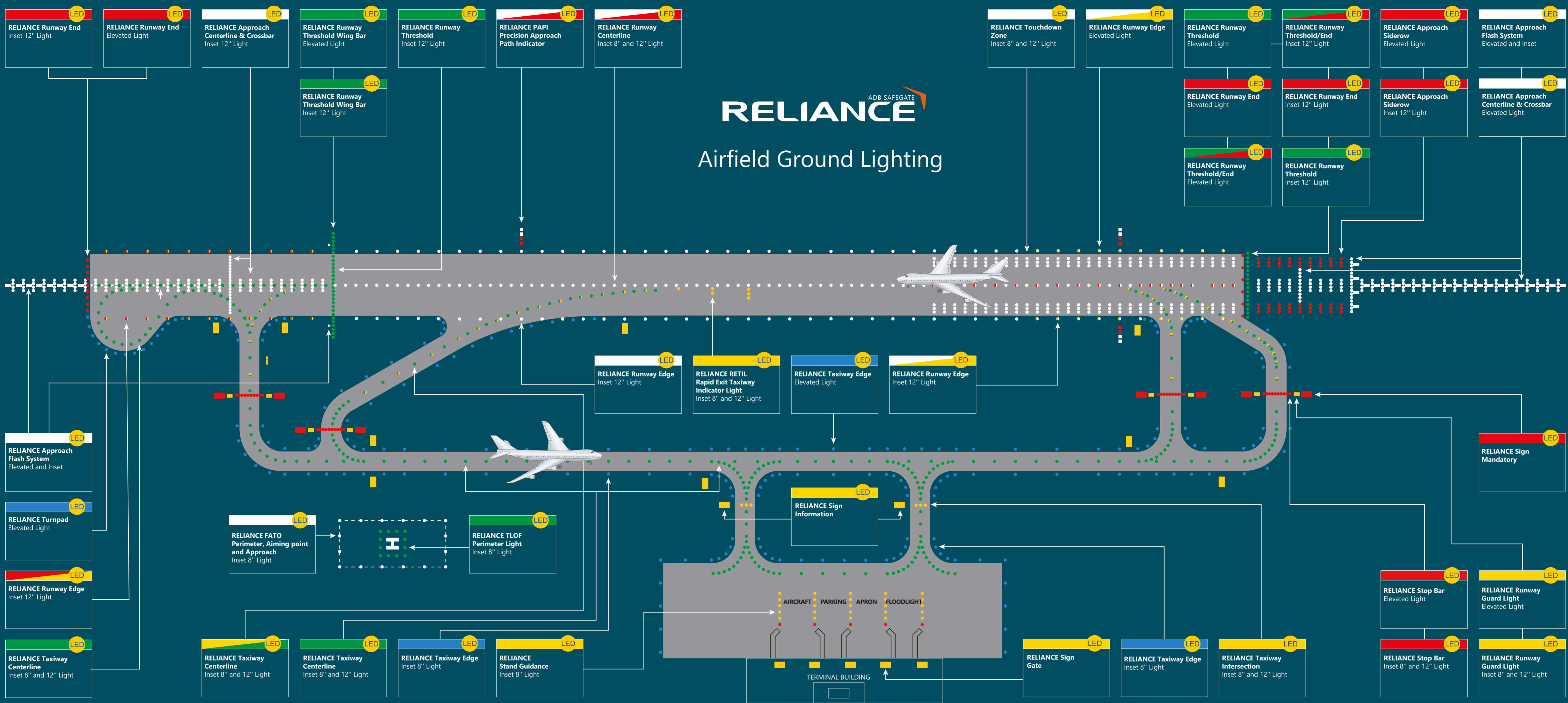


RELIANCE ADB SAFEGATE

Airfield Ground Lighting



Categories of approach path and runway lighting

Category	Minimum visual range of lights on runway (RVR)	Decision height (DH) (Cloud ceiling)
CAT I	≥ 550 m	≥ 60 m
CAT II	550 > RVR ≥ 300 m	60 m > DH ≥ 30 m
CAT III A	300 m > RVR ≥ 175 m or DH < 30 m	
CAT III B	175 > RVR ≥ 50 m or DH < 15 m	
CAT III C	No visibility / RVR	Not applicable

Note: Airport diagram is for illustrative purposes only and not to scale.

Our RELIANCE Lights are available with different monitoring options depending on application:
 - IQ: built-in ILCMS compatibility
 - MON: fail-open monitoring for CCR's or for ILCMS compatible remotes
 - Non-MON: non-monitoring version

This overview and images are samples of the RELIANCE lights portfolio. For a full overview please refer to Product Center at www.adbsafegate.com.

Lighting system requirements for CAT I, II, III according to ICAO

Lighting Systems	Category			Remarks
	CAT I	CAT II	CAT III	
Approach lighting (CALVERT or barrette system)	■	■	■	-
Side row barrette lighting with 150 m crossbar	-	■	■	-
Sequenced flashing light	■	■	■	Sequenced flashing light optional. In Cat II/III installations, must be switched off in the zone between the threshold and the 300 m bar.
Precision approach path indicator (PAPI)	■	■	■	In CAT II/III installations, the visual approach slope indicator may be switched off
Threshold lighting	■	■	■	With additional wing bars and RTIL lights, if required
Runway edge lighting	■	■	■	-
Runway centre line lighting	■	■	■	-
Runway end lighting	■	■	■	-
Touchdown zone lighting	-	■	■	-
Taxiway edge lighting	■	■	■	Required for runway turn pad, holding bay, de-icing/anti-icing facility, apron
Taxiway centre line lighting	-	■	■	In the case of complex taxiway systems and high traffic volumes, recommended also for CAT I
Rapid exit taxiway indicator lighting	-	■	■	In the case of complex taxiway systems and high traffic volumes, recommended also for CAT I
Stop bars	■	■	■	-
Runway guard lights	■	■	■	In the case of heavy traffic, this is required for CAT I
Illuminated Guidance Sign	■	■	■	-

■ required ■ recommended - not required

