

LIRA	LIFL	LERA	LEFL	LED PAPI
				
Led Inset Approach Light	Led inset approach Sequenced Flashing Light (SFL), Runway Threshold Identification L (RTL), Circling Guidance L (CGL)	Led elevated approach, THR, threshold wing bar and RWY end/SWY light	Led elevated approach Sequenced Flashing Light (SFL), Runway Threshold Identification L (RTL), Circling Guidance L (CGL)	Led Precision Approach Path Indicator

Variants	Unidirectional 12" dia	Voltage power supply Unidirectional 12" dia	Unidirectional	Voltage power supply Unidirectional	Series circuit Voltage power supply
Type	Inset	Inset	Elevated	Elevated	Elevated
Light	LED	LED	LED	LED	LED
Colour	 		  		 
FAA	COMPLIANT	-	L-862S AC150/5345-46	-	L-880/881 & E-3007 (2 & 4 LHA)
ICAO	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 PAPI (2 & 4 LHA) & APAPI (2 LHA)
IEC	TS 61827	TS 61827	TS 61827	TS 61827	-
EASA	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN
STAC	COMPLIANT	COMPLIANT	STAC/VIS/SE/E/6008	COMPLIANT	COMPLIANT
AENA	AENA PPT 10	COMPLIANT	AENA PPT15	COMPLIANT	COMPLIANT
CASA	MOS 139	COMPLIANT	MOS 139	COMPLIANT	COMPLIANT
TCCA	TP312		TP312		COMPLIANT

APPROACH

RUNWAY

LIRT	LIRH	LIRE	LIRN	LIRC	LIRL	LIRD	LIRZ	LERE	LEMIRL
									
Led inset threshold light	Led inset threshold/end light	Led inset runway edge light	Led inset runway end light	Led inset runway centreline, rapid exit taxiway indicator (R.E.T.I.L.) and taxiway centreline light	Led inset runway centreline and rapid exit taxiway indicator light (R.E.T.I.L.)	Led inset touchdown zone light	Led inset touchdown zone light	Led elevated runway edge/stopway and threshold/end light	Led elevated Medium and Low Intensity Runway Light for RWY edge, THR, End, SWY, landing zone, approach, fillets edge
Variants	Unidirectional 12" dia	Bidirectional 12" dia	Uni/Bidirectional 12" dia	Unidirectional 12" dia	Uni/Bidirectional 8" dia	Unidirectional 12" dia	Unidirectional 12" dia	Uni/Bidirectional also with optional circling (CG) omnidirectional component fixed from 2.8 to 6.6A	Omnidirectional Bidirectional Unidirectional
Type	Inset	Inset	Inset	Inset	Inset	Inset	Inset	Elevated	Elevated
Light	LED	LED	LED	LED	LED	LED	LED	LED	LED
Colour		 	   		   	  			   
FAA	L-850E(L) AC150/5345-46 and EB No.67	L-850D(L) AC150/5345-46 and EB No.67	L-850C(L) AC150/5345-46 and EB No.67	-	L-850A-T(L) AC150/5345-46 and EB No.67	L-850A-T(L) AC150/5345-46 and EB No.67	L-850B(L) AC150/5345-46 and EB No.67	L-862E(L) AC150/5345-46 and EB No.67	L-861-E-SE(L) AC150/5345-46 and EB No.67
ICAO	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I	Medium / Low Intensity Light
IEC	TS 61827	TS 61827	TS 61827	TS 61827	TS 61827	TS 61827	TS 61827	TS 61827	-
EASA	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	CS-ADR-DSN	-
STAC	STAC/VIS/SE/E/6008	STAC/SE/E/VIS/6008	COMPLIANT	STAC/VIS/SE/E/6008	STAC/VIS/SE/E/6008	COMPLIANT	STAC/VIS/SE/E/6008	COMPLIANT	STAC/SE/E/VIS/6008
AENA	AENA PPT 10	AENA PPT 10	AENA PPT 11	AENA PPT 10	AENA PPT 13	AENA PPT 13	AENA PPT 12	AENA PPT 16	-
CASA	MOS 139	MOS 139	MOS 139	MOS 139	MOS 139	MOS 139	MOS 139	MOS 139	MOS 139
TCCA	TP312	TP312	TP312	TP312	TP312	TP312	TP312	TP312	-

CCRs

CCRs				ALCMS-ILCMS
				
DIAM 5	DIAM4200(S)/DIAM3200(S)	DIAM4100/DIAM3100	ALCMS	ECB/MCC
Three-phase Constant Current Regulator (IGBT)	Single-Phase Constant Current Regulator (IGBT)	Single-Phase Constant Current Regulator (SCR)	Airfield Lighting Control and Monitoring System INFINITE	Individual Lamp Control and Monitoring System (ILCMS)
• 2.5 / 5 / 10 / 15 / 20 kVA • Compatible with existing infrastructure: 2.8 – 6.6 A • Brightness control via current intensity • Natural cooling (fanless) – Up to 10kVA • ALCMS interfaces: MultiWire, ModBUS RS485, Ethernet, LonTalk, Single or Double. • Three-Phase Power Supply ensures: • Intrinsic optimization of the power distribution across phases • Balanced load distribution, with high power factor and efficiency, independently from the load • Output Current Waveforms: • High quality sinusoidal current waveform with any load • Low level of current harmonic distortion (current THD <5%) • Double power conversion architecture • Flexible power management and current control policy	• No degradation of the load power factor • Innovative architecture linked by an internal CAN network (with AC Power chopper) • High efficiency >94%, full load 6.6Amps • No tapping or adaptation at load necessary • Spare parts: 5kVA module for all CCR (from 5 to 20kVA) • 2.8kVA CCR stackable(x3) • Standard(D42)/Compact(D32) sizes. • Can include Internal Circuit Selector Switch	• Simplify architecture linked by an internal CAN network • No forced ventilation • Minimization of the number and the variety of spare parts • Standard(D41)/Compact(D31) sizes. • Can include Internal Circuit Selector Switch	• ICAO and FAA compliant for operation on runways up to CAT III • Distributed data management model • Strong web-based architecture platform • Intuitive operation (first-glance oriented HMIs) and management of airfield assets • Depending on the need it can be highly redundant, secure and fault tolerant • The main package can be integrated with: • Stop Bar Control: ILCMS; Categorization system (through easy interfacing with on-site equipment); • Taxiway routing & SMGCS	• ILCMS for AGL based on series circuit • Field control/monitoring addressable module: ECB central unit (master), in electrical vault connected to the relevant CCR • Powerline communications
Features				

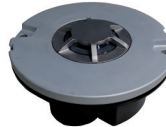
CONTROLLING AREA

Special Variants

PALS
Portable airfield lighting systems
The system is provided for continuous operation, fed through constant current regulators and series circuits, and could be remote controlled by means of a wireless computerized system.
STANAG 3534

TAXIWAY

TAXIWAY

										
LITE	LITA	LITC	LITS	LITG	LETE	LETP	LETG	LIMS	WINDCONE	
Led inset taxiway edge light	Led inset Aircraft stand manoeuvring guidance light	Led inset taxiway centreline, stop bar and intermediate holding position light	Led inset stop bar light	Led inset runway guard light	Led elevated taxiway edge light	Led elevated runway turn pad edge light*	Led elevated runway guard light	Led luminous guidance sign	Windcone not-frangible and frangible	
Variants	Omnidirectional 8" or 12" dia	Omnidirectional 8"	Uni-/Bidirectional 8" or 12" dia	Unidirectional 12" dia	Unidirectional 12" dia	Omnidirectional	Omnidirectional	Series Circuit and Voltage Power Supply	Single Face Series/Parallel Supply 322/483 km/h	Not-frangible/ Frangible
Type	Inset	Inset	Inset	Inset	Inset	Elevated	Elevated	Elevated	Elevated	Elevated
Light	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED
Colour									Frame colour   	Wind sock colour  
FAA	L-852T(L) AC150/5345-46 and EB No.67		L-852A-B-C-D-J-K(L) AC150/5345-46 and EB No.67	L-852S(L) AC150/5345-46 and EB No. 67	L-852G(L) AC150/5345-46 and EB No.67	L-861T(L) AC150/5345-46 and EB No.67				L-807 AC 150/5345-27
ICAO	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14 - Volume I		Annex 14 - Volume I	Annex 14 - Volume I	COMPLIANT	Annex 14 - Volume I	Annex 14 - Volume I	Annex 14-Volume I
IEC	TS 61827	COMPLIANT	TS 61827		TS 61827	TS 61827	COMPLIANT	TS 61827		COMPLIANT
EASA	CS-ADR-DSN	COMPLIANT	CS-ADR-DSN		CS-ADR-DSN	CS-ADR-DSN	COMPLIANT	CS-ADR-DSN	CS-ADR-DSN	COMPLIANT
STAC	STAC/VIS/SE/E/6008	COMPLIANT	STAC/VIS/SE/E/6008		COMPLIANT	COMPLIANT	COMPLIANT	STAC/SE/E/VIS/6008	STAC/VIS/SE/E/6009	
AENA	AENA PPT 19	COMPLIANT	COMPLIANT		COMPLIANT			AENA PPT22		COMPLIANT
CASA	MOS 139	COMPLIANT	MOS 139		MOS 139			COMPLIANT		COMPLIANT
TCCA	TP312		TP312		TP312		COMPLIANT	TP312		

