

- Lifespan is more than 50,000 hours when in full operation
- Power supply with high power factor (>0.98)
- Temperature range of -40°C to +55°C

► **INSTALLATION**

LED bars with specially designed mounting for sign panels are installed inside the top & bottom edge of the panel. The power supply within an aluminum IP67 box would be able to install outside or inside the panels.

CONSUMPTIONS	
Length	Power
600 - 900mm	30W
950 - 1300mm	40W
1350 - 1650mm	50W
1700 - 1850mm	60W
1900 - 2250mm	70W
2300 - 2550mm	80W
2600 - 2800mm	90W
2850 - 3000mm	100W

► **COMPLIANCE**

ICAO: Annex 14 - Volume I
NATO: STANAG 3316

► **GENERAL**

Airfield Guidance Signs illuminated with halogen or fluorescent lamps are not as efficient as the LED types. Power consumption for old illuminated types would be high besides the maintenance and spare parts. That is because LED Retrofit Kits offer a solution to rechange the old styles with LED technology, which is more efficient at consumption and uniformity of Airfield Guidance Sign. Installing these kits in Sign panels without any changes to the structure or components is the best solution to renew the signs instead of buying new panels.

► **APPLICATIONS**

Halogen & Florescent Airfield guidance signs (any brand)

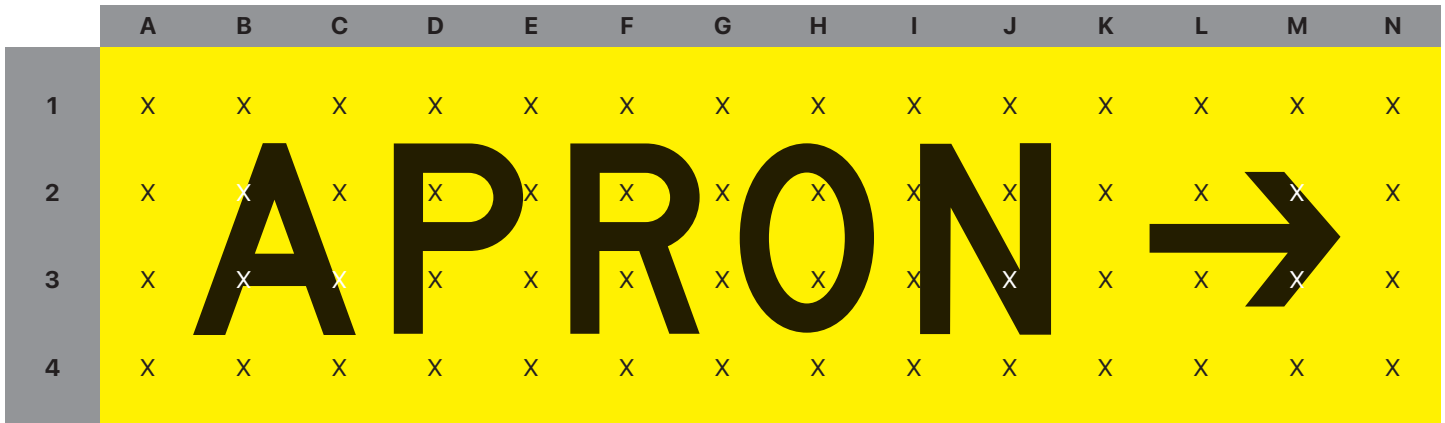
► **BENEFITS**

- Renew the old Signs to new ones with the lowest cost
- Can be installed in all types of Airfield Guidance Signs with any brands
- Easy to install
- Almost no need for maintenance
- Excellent performance and lower energy consumption reduce the operation cost
- Designed to use in all sign dimensions with 600 to 4000 mm length
- Highly visible in all weather conditions
- Excellent uniformity in compliance with FAA and ICAO standards
- IP67 LED bars protected from bad weather conditions



PHOTOMETRIC PERFORMANCE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	322	382.1	401.4	421.4	420.4	420.1	400.8	394.7	431.7	443.6	451.9	446.8	416.9	364.4
2	304.6	367.7	397.3	401.3	409.5	408.8	365.7	372.8	411.7	413	439.4	427.5	-	298.8
3	290.8	-	-	407.9	410.8	403	377.9	386.6	416.6	-	413.3	426.5	-	326.2
4	288.2	371.2	407.2	418.2	426.5	407.9	389.5	393.7	425.2	421.1	437.1	422.7	402.4	328.4



Sample of photometric test conducted on a "2100*600 Information Sign"

LUMINANCE TABLE

Legend Size	Height	Colors (cd/m2)			Min/Max (Uniformity)
		Yellow	Red	White	
400mm	800mm	200-250	30-35	300-350	More than %75
300mm	600mm	300-395	-	-	More than %85

Luminance performance table is according to photometric tests with Clear Sign Faces.

LRGS XXXX/X XXXX/X

LED Retrofit Kit model For Airfield Guidance Sign

LED Length (mm) with Number of pairs*

- 140
- 250
- 360
- 470
- 580
- 690
- 800
- 910
- 1020

/X: Number of pairs**

Example:

LRGS – 1020/3 – 470/1

LRGS – 800/2

* The LED length is related to the Panel Size and it can be extended by adding LEDs in different length to reach the Panel's length.

** A pair of LED for top and bottom of each sign is considered.



Sample of ADB Sign equipped with LRGS kit in an airport