



- 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 recharge 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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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 - 16 - NI - A

Basic P/N

Length: 600 - 3000 mm

600 mm: 06

700 mm: 07

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3000 mm: 30

Protection:

IP = Waterproof LED Bars

NI = Not Waterproof LED Bars

Supply Mode:

A= 6.6 A

V= 220 V



Sample of an old Sign equipped with LRGS kit in an airport

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