Rotating Beacons

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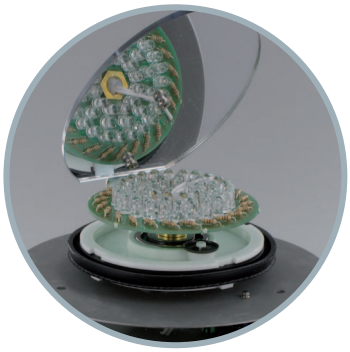
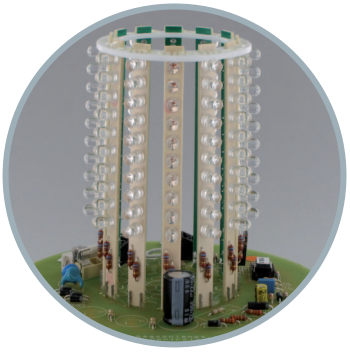
Rotating beacons are ideal for various applications and are a great option for when something alternative to a flashing or a static warning signal is required. Applications include industrial process control indication and warning, vehicles such as vans and trucks, visual warning for use in areas where audible warnings might be difficult to hear, and the more obvious use as part of fire and security systems.

There are three basic types of rotating beacons, each with their pros and cons. The table overleaf compares those three types (data loosely based the Series E as an example, check with Sales for current model data), and shows which is best in which area. This makes it easier to choose a solution depending on your specific priority.

The first type is the Filament Bulb Rotating. This is the lowest priced option and popular for applications where the beacon will not be in action a lot as the current draw is high and the filament bulb doesn't have a long life. It uses a mirror style reflector which spins around a permanently lit bulb, creating a powerful beam of light.



Next up is the LED Rotating or RMLED. This is the highest price option but has a low power consumption with a very high light output and LED's which have a much longer life than filament bulb, making it ideal for more regular use or for installations in areas where it might be awkward to keep changing the bulb. This one works similarly to the Filament Rotating but with a slanted mirror onto which a cluster of LED's shine. The light is reflected off the mirror as it spins and creates a beam of light.



Lastly there is the Simulated Rotating. This one actually has no moving parts, just strips of LED's that light up in a sequence to create the effect of moving light. Again, having LED's this has a long life and the lowest power consumption of the three. Cutting out the mirror allows this type to be used in a much smaller beacon if required.

The table overleaf makes it easier to see these differences and make a more informed decision:

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		Filament Rotating	LED Rotating (RMLED)	Simulated Rotating (LED)
Average Current Draw	12V	4.15A	0.53A	0.1A
(typical figures -	24V	2.15A	0.25A	0.1A
- model dependent)	115V	0.55A	0.11A	0.1A
	230V	0.30A	0.07A	0.1A
Luminous Intensity	Red	60 - 80 cd	145 cd	16 cd
(typical figures -	Amber	190 - 240 cd	230 cd	16 cd
- voltage and model	Green	115 - 140 cd	305 cd	16 cd
dependent)	Blue	35 - 50 cd	220 cd	16 cd
	Clear	255 - 320 cd	870 cd	16 cd
Pros		• Lowest Priced • Large mirror gives large light "image" • Lowest cost option	• Brightest option • Low power consumption • Long life of LED's compared to lamps	• Lowest power option • No moving parts • Long life of LED's compared to lamps • Small-size units available as required
Cons		• Bulb has comparatively short life-span • Bulb filament susceptible to damage from shock or vibration	• Highest priced option	• Least bright option • Narrowest viewing angle
More infrmation		http://gogo.pm/zkv	http://gogo.pm/zqt	http://gogo.pm/trj

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