

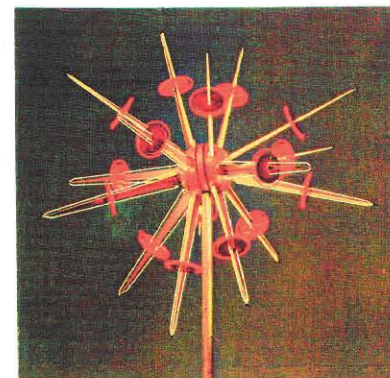
New!



*most
modern
concepts
of*

SPECTACULAR
lighting application

TURN-STAR: Operating on the same fundamental principle as the regular ROTO-SPHERE units, the parts are not interchangeable. It was designed with primary objectives of lower weight, lower cost and ease of installation and maintenance. Lightweight aluminum castings and conduit arm supports aid in the achievement of these aims. TURN-STAR is in no way a direct competitor of the larger ROTO-SPHERE units. It is a display creation specially designed to fill an evident need for a dynamic attraction where cost or size would prohibit use of the larger units.



Roto-Ring Roto-Sphere

Outstanding in both night and day views, the ROTO-RING ROTO-SPHERE has a multi-faceted effect that is unique. Large enough for shopping center area identification, it also is readily adaptable to medium sized sales outlets, motels or restaurants.

Specifications

TURN-STAR: Sphere is 24" steel—7/32" thick—covered by 28" diameter formed plastic hemispheres of durable weathering characteristics. Sphere has welded threaded nipples for conduit arm supports. Overall installed diameter is approximately 12 feet. Calculated surface area is 22.4 square feet. Net weight approximately 250 pounds; crated weight including main unit, arms and lamps is 275 pounds. Turning unit mechanism is same design as regular ROTO-SPHERE but more compact.

TURN-STAR uses ten F48T12/HO colored fluorescent High-Output lamps to light the arms and plastic ornamentation rings to render a very colorful and brilliant array. The ten lamps are powered by two ballasts located inside the ball hemispheres, totally enclosed in rain-tight raceways. The lamps are supported by conduit arms which also enclose the outside socket wiring. Special conduit fittings on the ends of the arms allow easy service and access to the socket wiring connections. All electrical components are U.L. approved. Wiring methods are of the U.L. approved type.

TURN-STAR is equipped with a three-wire 110/220 volt service wiring so that lamps and motor may be operated independently. The connected load for the lamp ballasts is 7.2 amperes and the motor load is 2.4 amperes or a total connected load of 1,152 watts. The motor has a built-in overload protection.

TURN-STAR may be installed in two hours by two men without special equipment. Any crane or lifting equipment capable of lifting 250 pounds will handle the ordinary installation. In view of its smaller size by comparison with the regular Roto-Sphere, it is recommended that normal installations be made at heights not exceeding 40 feet from the ground. Extra heights will only serve to diminish its attraction effects. The use of ordinary electrician's hand tools and lifting equipment as described above will be all that is usually required. It is equipped with an eye bolt on the top of the sphere for attaching a lifting cable, and a 2-7/8" pipe 12" long at the bottom of the sphere. The bottom of the pipe will fit into standard 3" I.D. pipe for mounting.

Like the Roto-Sphere, all interior parts of the TURN-STAR may be serviced by removing the center band on the sphere.

TURN-STAR is supplied with a plastic covered sphere in either Blue, Yellow or Red. All orders not specifying color will be shipped from stock with color of manufacturer's choice.

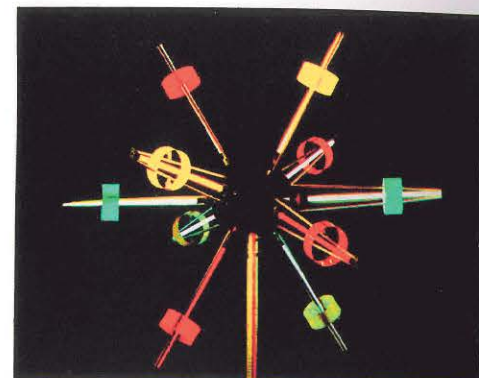
TURN-STAR is supplied with ten F48T12/HO lamps. It will be supplied with all ten lamps of one color as specified on customer's order or with the standard color arrangement as follows:

2 Gold	2 Blue	2 White
2 Red	2 Pink	

TURN-STAR is shipped in three crates; one containing the main body, one containing the arms and lamps and one containing the plastic arm ornaments.

Turn-Star Warranty

TURN-STAR units are guaranteed for ninety days (except for lamps) against defective workmanship and parts from date of installation. Lamps carry no guarantee. The manufacturer's obligation under this warranty shall be limited to furnishing a replacement for, or repairing at his option, any part or parts which on his examination proves to be defective within the stated guarantee period. The manufacturer assumes no liability for damages which may occur as a result of negligent or intentional misuse of the unit. The purchaser/user of this equipment agrees to assume all liability for consequences of its use or misuse by such purchaser/user, his employees or agents or other third persons. In order to obtain the benefits of this warranty, the owner shall, at his own risk and expense, return the equipment or the defective part or parts to the manufacturer with transportation charges prepaid. At the manufacturer's own discretion any or all replacements may be made either F.O.B. factory or F.O.B. owner's location. The manufacturer and his agents will not be responsible for any labor costs.



Turn-Star night

TURN-STAR, with colored fluorescent high-output lamps and translucent plastic ornamentation rings renders a very colorful and brilliant array for both night and day use. The two foot diameter ball is encased in a gleaming plastic shell of durable weathering characteristics.

Specifications

ROTO-RING ROTO-SPHERE: All specifications applicable to the regular Roto-Sphere apply to the ROTO-RING ROTO-SPHERE except for the arms. The arms are supplied with an additional metal circular disc one-foot in diameter, painted red.

The installation of the unit requires circular rings of Ruby-Red tubing to be made by the sign man and installed on the metal discs. The transformers furnished will adequately carry the tubing of the arms and the rings.

Neon tubing patterns are furnished. All tubing is to be made and supplied by the installer.

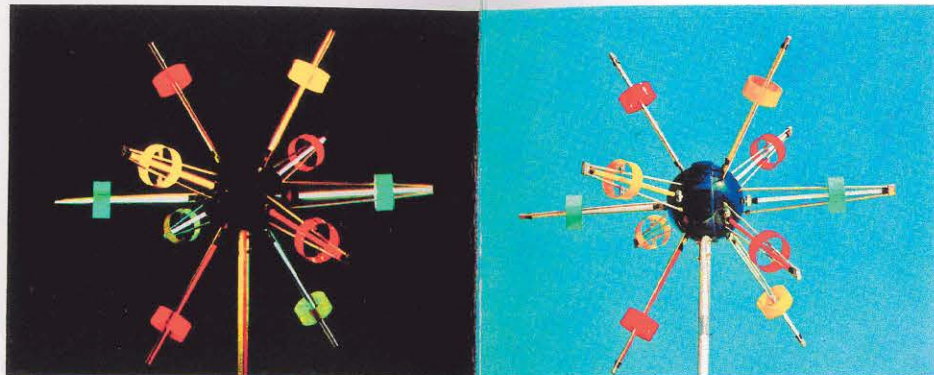
While the illustrated model shows white arms and Ruby-Red rings, the user may use any combination of colors he desires.

A regular Roto-Sphere may be modified by any purchaser of same, at his own risk, to achieve the same resulting appearance.

Warranty on the ROTO-RING ROTO-SPHERE is the same as for TURN-STAR units.

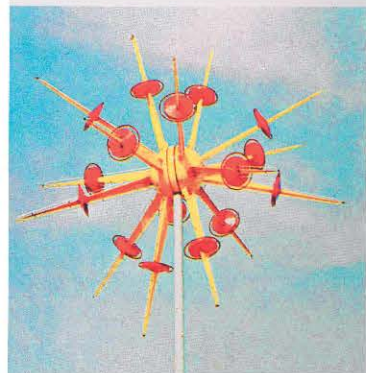


night and day



Turn-Star night and day

TURN-STAR, with colored fluorescent high-output lamps and translucent plastic ornamentation rings renders a very colorful and brilliant array for both night and day use. The two foot diameter ball is encased in a gleaming plastic shell of durable weathering characteristics.



night and day

ROTO-RING ROTO-SPHERE: This spectacular version of the regular ROTO-SPHERE attracted wide attention at its premiere showing. Although any desired color combinations may be used, the illustrated unit utilizing white neon arms and ruby-red neon circles creates an "all-eyes" drawing power that will over shadow near-by attractions. Its size, an overall diameter of nineteen feet, allows installation and consequent greater visibility at heights up to 100 feet. The illusion is one of symmetrical intermingling arm movements and of free-floating red rings moving rhythmically in circular orbits. The contrast of linear white arms and circular red rings deliver a visual impact that will long be remembered.

ROTO-SPHERE: Projecting from the sphere are sixteen aluminum arms. These arms are like a "pin cushion" in effect. Each arm supports a hairpin of tubing. The ROTO-SPHERE rotates simultaneously in three directions. In the first place, the entire unit rotates about the mast. Secondly the sphere is divided into two hemispheres, each hemisphere rotating around an axis 90° to the mast, in opposite directions. This, to a large extent, gives the effect of the old toy children used to play with, called a kaleidoscope. The rotations are physical—not a simulated electrical rotation by means of a flasher.

Specifications

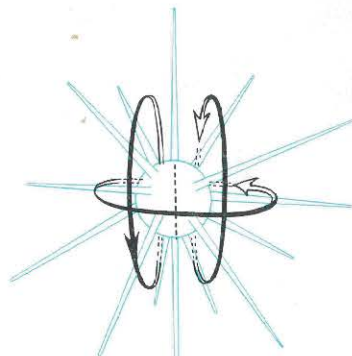
ROTO-SPHERE—37" sphere made of steel— $\frac{1}{4}$ " thick—with sixteen eight-foot natural-finish aluminum arms. Overall installed diameter nineteen feet. Net weight approximately 1000 pounds. Crated weight 1,100 pounds. Wired complete with eight General Electric neon transformers, 12,000-volt 30 ma., but without tubing. Powerfactor corrected transformers supplied at extra charge if specified. Installation requires three circuits of 115-volts each—two fused for 15 amperes and one fused for 5 amperes. The 5-ampere line is for additional protection to motor which also has a built-in thermal overload. The ROTO-SPHERE may also be run during daylight hours by means of a separate switch in this motor line, without tubing being lighted. Electrode housings are Corning PYREX brand only. All electrical components are U.L. approved. ROTO-SPHERES carry the same warranty as TURN-STARS. Tubing is not supplied with ROTO-SPHERE. Requires 256 feet of 15 MM standard neon-type tubing. Calculated surface area is 40 square feet.

Suggested colors and patterns supplied with each unit. ROTO-SPHERES are supplied with $\frac{4}{5}$ " O.D. pipe at bottom, 12 inches long, for easy mounting into standard 5" I.D. pipe. The 5" pipe used for the supporting column should not exceed 10 feet—at which point it should be adapted into an adequate supporting column as determined for each individual installation. The ROTO-SPHERE is designed with access to the interior sphere for rapid and easy service. Unit turns at a constant 6 R.P.M. in all three directions. Patents pending.



Roto-Sphere night and day

A brilliant night or day spectacular is shown by these actual photographs of the Holiday Manor Motel of Bossier City, La. Painting of the aluminum arms accentuates the "Sputnik" effect for daylight hours. The three-dimensional motions give a depth and character which is unequalled by any other form of animation.



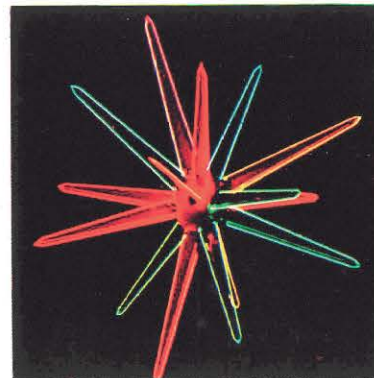
Effective Advertising

In this day and age of space ships, flying saucers and "sputniks", a new series of developments have come to the electrical sign and display industry. Advertisers are constantly seeking new means and methods of attracting attention in this high speed civilization. The buying public has had their "sign appetite" jaded by the numerous electrically lighted signs and displays on the world's busy highways—and the competition for the travelling public's eye has become terrific. The several ROTO-SPHERE creations presented in this brochure are not signs—but are solely "attention-getting" devices that should be used in conjunction with high quality, effective electrical advertising. The daylight effect of all ROTO-SPHERE units is much like a tumbling sputnik. It is very effective. The night effects are best described as startling. By means of using flashers on the neon models in addition to colors, the number of effects are limited only by the ingenuity of the basic sign and layout designer. It is difficult to describe on a two dimensional piece of paper, such as this brochure, the full eye-impact value of the ROTO-SPHERE units. Distributors have available an 8 millimeter 50-ft. movie showing these units in action. It will be furnished at nominal charge to interested sign manufacturers or their customers.

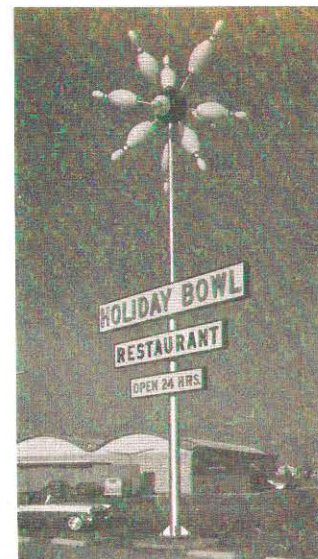


Specifications

ROTO-SPHERE BOWLING PIN UNIT—Sphere is 37" diameter of $\frac{1}{4}$ " steel. Has ten arms—each basically a bowling pin of white translucent plastic. Six of the arms are mounted on tubing 12" out from the sphere, and four of the arms are mounted on tubing 24" from the sphere, in a staggered effect. Each pin is five feet high—with overall installed diameter of approximately 15 feet. Net weight approximately 1,100 pounds with crated shipping weight 1,300 pounds. Wired complete with ten General Electric plastic-sign ballasts—each ballast of the 800 ma. high-output type, capable of carrying two F48T12 lamps. Installation requires three circuits of 115-volts each. Two are fused for 15 amperes and one is fused for 5 amperes. The 5-ampere line is for additional protection to motor which also has a built-in thermal overload. The ROTO-SPHERE BOWLING PIN may also be run during daylight hours by means of a separate switch in this motor line, without the pins being lighted. All electrical components are U.L. approved. ROTO-SPHERE BOWLING PINS carry the same warranty as the TURN-STARs. One case of 24 lamps is supplied with each ROTO-SPHERE BOWLING PIN unit. Mounting details are the same as the ROTO-SPHERE. In all cases, local sign ordinances should be observed in the installation of these units.



A colorful cluster of moving tubes of light. There are sixteen arms—eight to each side. Arms turn at a constant six R.P.M. in three directions. Tubes are supported by eight-foot natural finish aluminum arms. Unit may be revolved during the day with tubes unlighted.



A Roto-Sphere Bowling Pin unit installed at Holiday Lanes, Bossier City, La., by Nesco Signs, Inc. Mounted in the parking area on a sixty-foot pole, this unit provides attention-getting action both day and night. The white pins contrast sharply with the black "Ball" for an effective daytime identification and the brightly lighted white pins draw immediate attention at night. Adequate separation from the sign improves the effect.

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