Resonance™ Bollard 1.0 LED TLRCB10

Catalog Number:

Type:

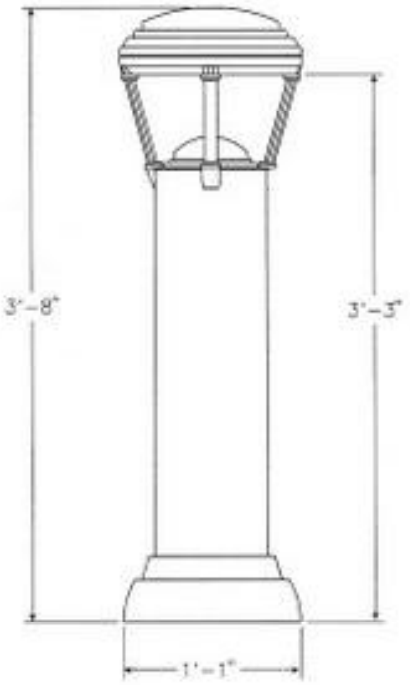
Project:

Series	Lumen Package	LED Color	Lens	Distribution	Voltage	Options	Finish

Sample Catalog no:

TLRCB10	18LED 350MA	41K	GCF	R3	120	SPD6KV	DWH
Series	**Lumen Package**	**LED Color**	**Lens**	**Distribution**	**Voltage**	**Electrical Options**	**Finish**
TLRCB10	18LED 350MA 18LED 700MA	35K 41K 56K	GCF	R3 R4 R5	120 208 240 277	SF Single Fuse DF Double Fuse SPD6KV Surge Protection SPD10KV Surge Protection	DBL Black DDB Dark Bronze DNA Natural Aluminum DWH White CM Custom Match CS Custom Select RAL Colors

Note: See following pages for details.



Lamp not included
EPA: 1.8 ft²
Weight: 30 lbs.

Construction:
The luminaire is die cast and permanent mold aluminum. The roof has an internal hinge, hidden from view. Roof and ballast lids are sealed with silicone gaskets. All exposed hardware is weather resistant.
FINISH: The luminaire has a powder coat finish utilizing a premium TGIC polyester powder. The finish is a three-stage process that consists of drying, powder application and curing. Before coating, the parts are treated with a five-stage pretreatment process, consisting of a heated alkaline cleaner, rinse, phosphate coating, rinse and sealant.

Optics:
Individual precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment on each, delivering repeatable photometric performance. Choice of three optimized distributions: Type III, Type IV, and Type V. The optical system controls light above 90 degrees, eliminating wasteful up light.

Electrical:
Standard and dimming drivers are available in 120-277V, 50/60 Hz. Drivers have power factor >90% and THD <20%. Thermal isolation results in expected driver life of over 60,000 hours. Integral surge protection in accordance with IEEE/ANSI C62.41.2 Category C Low is standard.

Installation:
The Resonance Bollard offers a patented impact resistant mounting and leveling design ensuring lifelong performance. Three leveling pads within the base mounting plate are easily accessible through the access panel. The leveling pads provide full contact with the concrete pad, providing a high degree of stability. The base mounting plate is fully welded to the bollard post, providing complete structural support from all directions, giving the bollard superior vandal resistance.

Listings:
The luminaire is tested to and meets all NRTL's outdoor requirement standards, wet location use, through the fully accredited and approved CSA laboratory. DesignLights™ Consortium qualified product.

WARNING: Tersen reserves the right to modify specifications without notice.

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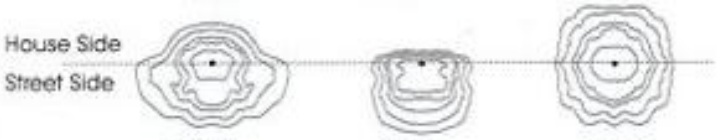
Tersen™ Headquarters | 3825 Columbus Road | Granville, OH 43023 | Phone: 1-800-410-8899 | www.tersenlighting.com

ORDERING GUIDE

Series	☐ **TLRCB10** Tersen Luminaires - Resonance Bollard 1.0 LED
Lumen Package	☐ **18LED 350MA** ☐ **18LED 700MA**
LED Color	☐ **35K** 3500K ☐ **41K** 4100K ☐ **56K** 5600K
Lens	☐ **GCF** glass flat lens
Distribution	☐ **R3** ☐ **R4** ☐ **R5**  **Type III** Provides light farther ahead of the luminaire than a Type II pattern but maintains a significant lateral spread. **Type IV** Sharp Cutoff Distributes light almost exclusively forward with emphasis on eliminating light trespass and spill light behind pole. **Type V** Improved uniformity with variation of the Type V distribution; a slightly square pattern compared to regular Type V.
Voltage	☐ **120** 120 volt ☐ **208**[1] 208 volt ☐ **240** 240 volt ☐ **277** 277 volt 1. Consult factory for 208 volt availability in Canada.
Options	☐ **SF** Single Fusing 120, 277 or 347 volt only ☐ **DF** Double Fusing 208, 240 or 480 volt only ☐ **SPD6KV** Surge Protection ☐ **SPD10KV** Surge Protection 120 or 277 volt only
Finish	☐ **DBL** Black ☐ **DDB** Dark Bronze ☐ **DNA** Natural Aluminum ☐ **DWH** White ☐ **CM** Custom Match ☐ **CS** Custom Select This choice requires that a custom powder be manufactured to match a specific color chip provided by the specifier. Tersen offers custom selected RAL powder coat colors. See chart (form 794.3) for cataloged optional colors or contact the factory.

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