SINGLE FUNCTION, VANDAL-RESISTANT, CONCRETE SHAFT

Type:
Job:
Catalog number:

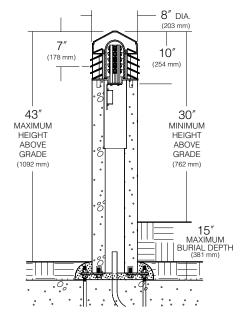
VSB1C / /
Fixture Electrical Module Top Cap and Shaft Finish
See page 2

Approvals:

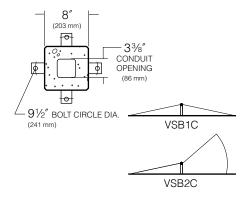
#### **Specifications**

**VSB** Models 10 - 20 Diodes

**VSB1C -** Single Function Luminaire (Concrete Shaft) Maximum weight: 120 lb



#### BASE PLAN VSB CONCRETE SHAFT



U.S. Patent D410,553

**Top Cap:** One-piece die-cast, low copper (<0.6% Cu) aluminum 3/16" minimum thickness, secured to louvers by concealed stainless steel allen screws in keyhole slots. For relamping access, allen screws shall not require complete removal.

**Louvers:** One-piece die-cast, low copper (<0.6% Cu) aluminum with vertical support ribs at 90° intervals. Horizontal louver blades shall have a 1 3/4" depth, and be angled 25° from the horizontal. Louvers shall provide light source cutoff above horizontal. Louver castings shall be secured to shaft by four internal tie rods.

**Lamp Enclosure:** One-piece tempered molded glass with internal flutes and full silicone gasketing at bottom edge.

Fixture Head: Allows flow-through ventilation around and above the lamp enclosure.

**Electronic Module:** All electrical components are either UL or ETL recognized, mounted on a sing Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Each LED equipped with a directional options. Deam angle projecting through louver stack spacings. LED boards to be mounted to an anodized inter-locking heat sink extrusion. (Type I) two 5-LED boards for a total of 10-LED. (Type III) three 5-LED boards for a total of 15-LED. (Type V) four 5-LED boards for a total of 20-LED. Available in 580nm Amber, 3000K, 4000K and 5000K color temperatures.

**Anchor Bolts:** Four 1/2" x 10" x 2" zinc plated L-hooks, each with two nuts, washers and a rigid pressed board template.

**Material:** Cement shall conform to current specifications for "Portland Cement." ASTM C150, Type I or II. Aggregates shall meet current requirements of "Specifications for Concrete Aggregates," ASTM C33. Water shall be clean and free from deleterious amounts of silt, oil, acids, alkalies or organic materials. Wire for reinforcement shall conform to ASTM A185. Steel for lugs and plates shall conform to ASTM A36, or A283 grade D.

**Surface:** Medium sand-blasted with anti-graffiti sealer. Available colors are Charcoal, Brown, Natural Gray or White, integral in concrete mix.

**Cure and Strength:** Allows for completion of the hydration process, and result in a 28 day compressive strength of not less than 4,500 psi.

**Manufacture:** Fiberglass molds used to insure uniform parts. Mold parting lines may be slightly visible in finished parts.

**Anchorage:** Four steel mounting tabs for installation on four 1/2" x 10" x 2" zinc electroplated L-hook anchor bolts. Each anchor bolt is supplied with two nuts, two washers, and a rigid pressed board template.

**Shipment:** Palletized with adequate hold-downs to prevent load movement in transit.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish.

**Listed to:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/ or local electrical codes. Failure to do so may result in serious personal injury.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE



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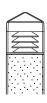


### **Standard Features**

Top Cap	Fixture	Cat. No.	<b>VSB1C</b> Single Function, Co	ncrete Shaft, (	Gabled Top		
Finish TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating on fixture top cap. Concrete shaft surface color is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.  Top Cap  Cat. No.: Color:  Cat. No.: Color:  Cat. No.: Color:  Cat. No.: Color:  LGT Light Grey Matte Textured  I DBS Dark Bronze Gloss Smooth  I LGT Light Grey Matte Textured  I DBS Platinum Silver Gloss Smooth  I DBS Dark Bronze Gloss Smooth  I DBS Dark Bronze Matte Textured  I DBT Dark Bronze Matte Textured  I DBT Dark Bronze Matte Textured  I DBT Universal Voltage shall range from 120V-277V  Color:  Cat. No.: Color:  Cat. No.: Color:  I LGT Light Grey Matte Textured  I DBS Platinum Silver Gloss Smooth  I DBS Dark Bronze Gloss Smooth  I DBT Dark Bronze Matte Textured  I WHS White Gloss Smooth  I LGS Light Grey Gloss Smooth  I CC 1 Custom Color  Concrete Shaft  I BR-C Brown I NG-C Natural Gray  I CH-C Charcoal I WH-C White  NOTE: Black and Dark Bronze colors will produce slightly less louver brightness than Lig Gray or White.  1 Custom colors subject to additional charges, minimum quantities and extended lead time Available on fixture head only. Consult representative.							
Finish TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating on fixture top cap. Concrete shaft surface color is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.  Top Cap  Table 10 LED (IES Type I)  I 15L= 15 LED (IES Type II)  I 20L= 20 LED (IES Type IV)  Top Cap  Cat. No.: Color:  Cat. No.: Color:  I BLS  Black Gloss Smooth  I LGT  Light Grey Matte Textured  I PSS  Platinum Silver Gloss Smooth  I DBT  DBT  DBT  DBT  DBT  DBT  DBT  DBT			Source:	Color Temp	erature:	Voltage:	
TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating on fixture top cap.  Concrete shaft surface color is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.  Cat. No.: Color:  BLS Black Gloss Smooth   LGT   Light Grey Matte Textured   PSS   Platinum Silver Gloss Smooth   LGT   Verde Green Matte Textured   LGS   DBT   Dark Bronze Gloss Smooth   LGT   WHS   White Gloss Smooth   LGS   Light Grey Gloss Smooth   LGC   Custom Color    Concrete Shaft   LGS   Light Grey Gloss Smooth   LGC   Custom Color   LGS   Light Grey Gloss Smooth   LGS   Light Grey Gloss Smooth   LGC   Custom Color   LGS   Light Grey Gloss Smooth   LGS   Light Grey Matte Textured   LG			(IES Type I)  1 15L= 15 LED (IES Type III)  20L= 20 LED	2K = 580nm   3K = 3000K   4K = 4000K		l <b>UV</b> Universal Voltage shall range from	
BLS   Black Gloss Smooth   LGT   Light Grey Matte Textured   BLT   Black Matte Textured   PSS   Platinum Silver Gloss Smooth   LGT   Light Grey Matte Textured   PSS   Platinum Silver Gloss Smooth   LGT   Light Grey Matte Textured   PSS   Platinum Silver Gloss Smooth   LGT   Light Grey Matte Textured   LGT   L	Finish	Top Cap	)				
Solution of the conversion coating on fixture top cap.  Concrete shaft surface color is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.  Concrete Shaft  BELT  Black Matte Textured  DBS  Dark Bronze Gloss Smooth  DBS  Dark Bronze Matte Textured  DBT  Dark Bronze Matte Textured  DBT  Dark Bronze Matte Textured  DBT  Craphic Matte Textured  DBT  Dark Bronze Matte Textured  DBT  Craphic Matte Textured  DBT  Craphic Matte Textured  DBT  Dark Bronze Matte Textured  DBT  Craphic Matte Textured  DBT  Dark Bronze Matte Textured  DBT  Craphic Matte Textured  DBT  Dark Bronze Colors Smooth  DBT  Dark Bronze Colors will produce slightly less louver brightness than Lig Gray or White.  Concrete Shaft  DBC  DBT  Dark Bronze Colors will produce slightly less louver brightness than Lig Gray or White.  Concrete Shaft  DBC  DBT  Dark Bronze Colors will produce slightly less louver brightness than Lig Gray or White.  Concrete Shaft  DBC  DBC  DBC  DBC  DBC  DBC  DBC  DB	TGIC thermoset polyester	Cat. No.	: Color:	Cat. No.:	Color:		
BLT   Black Matte Textured   PSS   Platinum Silver Gloss Smooth   VGT   Verde Green Matte Textured   VGT   VG		BLS	Black Gloss Smooth		Light Grey N	Natte Textured	
Concrete shaft surface color integral in concrete mix. Available in any combination of paint and concrete finishes isted at right.    DBT	conversion coating on		Black Matte Textured		Platinum Silv	ver Gloss Smooth	
Is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.    GTT   Graphic Matte Textured   WHT   White Matte Textured   LGS   Light Grey Gloss Smooth   CC   Custom Color		_	Dark Bronze Gloss Smooth				
Available in any combination of paint and concrete finishes listed at right.  LGS Light Grey Gloss Smooth   CC							
Concrete Shaft    BR-C   Brown   NG-C   Natural Gray   CH-C   Charcoal   WH-C   White  NOTE: Black and Dark Bronze colors will produce slightly less louver brightness than Lig Gray or White.  ¹ Custom colors subject to additional charges, minimum quantities and extended lead time Available on fixture head only. Consult representative.	Available in any combination		•				
BR-C Brown   NG-C Natural Gray   CH-C Charcoal   WH-C White		ILGS	Light Grey Gloss Smooth	TCC 1	Custom Color		
NOTE: Black and Dark Bronze colors will produce slightly less louver brightness than Lig Gray or White.  1 Custom colors subject to additional charges, minimum quantities and extended lead time Available on fixture head only. Consult representative.	nsieu ai righi.						
NOTE: Black and Dark Bronze colors will produce slightly less louver brightness than Lig Gray or White.  ¹ Custom colors subject to additional charges, minimum quantities and extended lead time Available on fixture head only. Consult representative.		_	Brown		•		
Gray or White. <sup>1</sup> Custom colors subject to additional charges, minimum quantities and extended lead time Available on fixture head only. Consult representative.		∣CH-C	Charcoal	∣WH-C	White		
		Gray or V  Custom	White. colors subject to additional	charges, minii	num quantit	g g	



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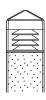


#### **Standard Features**

Battery Back-up Cat. No.   EM   No Option	Internal battery pack provides 90 minutes of supplemental light at 50% of initial lamp lumens.	battery back-up
0-10V Dimming Interface	Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems. Note: Not compatible with current sourcing dimmers. Controls compatible via Pink and Purple dimming lead.	Standard Input Black (+)  White (-)  Green (GND)  Pink Dimming Lead (-)  Purple Dimming Lead (+)  Output  Purple Dimming Lead (+)  White (-)  Green (GND)



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#### **Lumen Data**

Electrical Drive Co	urrent - @350mA					
	Тур	e 1	Тур	e 3	Тур	e 5
Volts - AC	Amps - AC	System Watts	Amps - AC	System Watts	Amps - AC	System Watts
120	0.11	13	0.16	19	0.21	25
208	0.06	13	0.09	19	0.12	25
240	0.05	13	0.08	19	0.10	25
277	0.05	13	0.07	19	0.09	25

<b>B.U.G. Rating</b> (TM15) in Lumens where $B = Backlight$ , $U = Uplight$ , $G = Glare$						
Temperature	TYPE 1	TYPE 3	TYPE 5			
3000K	B1 U2 G1	B1 U3 G1	B1 U3 G1			
4000K	B1 U2 G1	B1 U3 G1	B1 U3 G1			
5000K	B1 U2 G1	B1 U3 G1	B1 U3 G1			

Absolute Lumens			
Temperature	TYPE 1	TYPE 3	TYPE 5
3000K	546	784	1121
4000K	560	804	1150
5000K	567	8131	1163

LED performance and lumen output continues to improve at a rapid pace. . For custom optics and color temperature configurations, contact factory.

