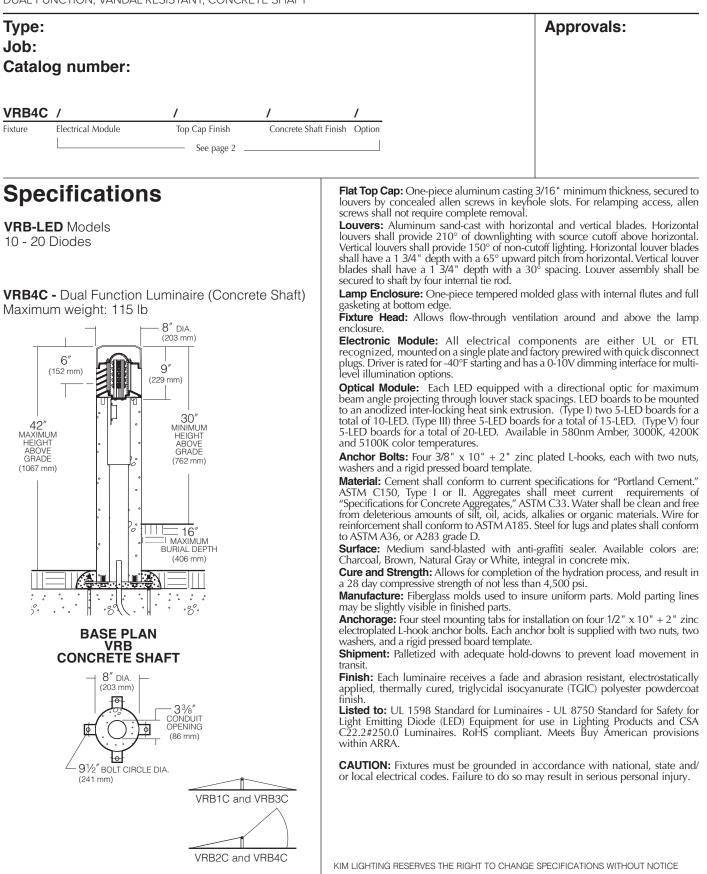
# VRB4C LED Round Bollard

DUAL FUNCTION, VANDAL-RESISTANT, CONCRETE SHAFT



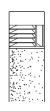
## Current 🗐

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# **Standard and Optional Features**

Fixture	Cat. No. <b>VRB4C</b> Dual Function, Concrete Shaft, Flat Top			
Electrical Module LED = Light Emitting Diode	Cat. Nos. for LED Electrical Modul    xL   Source:     10L= 10 LED   (IES Type I)     15L= 15 LED   (IES Type III)     20L= 20 LED   (IES Type V)	es available: xK UV Color Temperature:   2K = 580nm - Amber   3K = 3000K   4K = 4200K   5K = 5100K UV Universal Voltage shall range from 120V-277V		
Finish TGIC thermoset polyester powder coat paint. Concrete shaft surface color is integral in concrete mix. Available in any combination of paint and concrete finishes listed at right.	Gray or White.			

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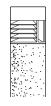
# **Standard and Optional Features**

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 (-)   Housing   ← 30 mA Max

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## Lumen Data

Spectroradiometric					
	3000K Average	4200K Average	5100K Average		
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K		
Color Rendering Index (CRI)	≥75	≥70	≥65		
Power Factor	>.90	>.90	>.90		

Projected Lumen Maintenance				
mA	50,000 hrs	100,000 hrs		
350mA	N/A	N/A		

Based on 20LED version.

Electrical Drive Current - @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	N/A	N/A	B1 U2 G1	
4200K	N/A	N/A	B1 U2 G1	
5100K	N/A	N/A	B1 U3 G1	

Absolute Lumens				
Temperature	TYPE 1	TYPE 3	TYPE 5	
3000K	N/A	N/A	816	
4200K	N/A	N/A	1012	
5100K	N/A	N/A	1063	

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