

CE FC MOM CB &



Features

- Low-profile, stylish design with durable powder coat finish
- Powered by 0-10V dimming LED drivers
- Color adjustable CCT :3000K/4000K/5000K or tailor made.
- Ambient operating temperature: -40°C/-40°F to 45°C/113°F.
- 4KV surge protection.
- Suitable for commercial and industrial applications.

Technical Parameters

Optics & Photometrics						
LED Color Temperature	4000K (3000K & 5000K Options)	3M (Type III Medium)				
Color Rendering Index	Ra=70(Options: Ra=80)	T2S (Type II Short)				
Light Distribution & Lens Kit Options	T2M (Type II Medium)	Customer Lenses Optional				
	T1S (Type I Short)					
	T3S (Type III Short)					

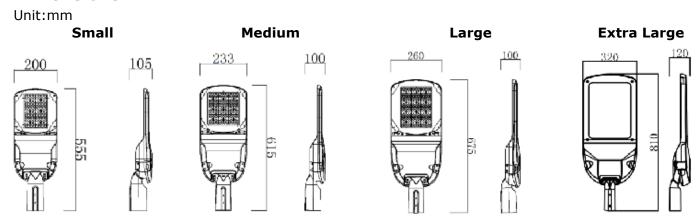
Electrical Electrical					
Input Voltage Options	220~240 / 100~277 50/60Hz (0- 10V / Dali / NEMA 3,5 & 7 Controls)				
Power Factor	>0.95	Operating Temp: -35C° ~ +50C°			
Surge Protection Options	10KV & 20KV	Relative Humidty: 5%RH ~ 95%RH			



COBRATECH MODELS	System Pwr(W)	Max Lumens	Luminaire Efficacy Lm/W	Weight Kg	Dimmensions(mm)
CBT4S1	50	8500	170	3.7	555×200×105
CBT4M1	100	17000	170	4.3	615×233×100
CBT4L1	150	25500	170	5.5	675×260×100
CBT4X1	200	34000	170	6.6	810×320×120

^{*}All specifications & parameters @25C° & subject to change without notice. All data tolerance +/- 7%

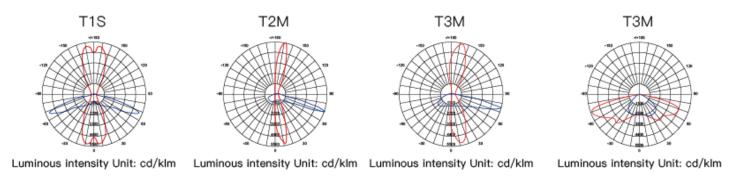
Dimensions



*ALL SPECIFICATIONS BASED ON 4000K +/-7% AND SUBJECT TO CHANGE

standard models shown (other power level & higher lumens per watt available upon request)extra options available: 3g protection, 1 0kv additional surge protection, nema base, photo cell, control system. bird spike kit and others.

Select Light Distribution Curve For Reference Only (Various Options Available)





COBRATECH LED Roadway & Parking SSL

Water Proof To IP66, IK10 Impack Resistance, Wind, Vibration & Shock Resistant. Interchangeable Components.

COBRATECH (CBT) incorporates innovative features that are designed to reduce total cost of ownership. Built with the very best top- grade LEDs, Driver and Surge Protector in a low maintenance modular system. Provides tremendous optical performance & energy savings for highways, roads, parking lots & area lighting.

Optical





COBRATECH with proven LED Drivers* Superior performance, flexibility, reliability

Ptional Wireless Control & Intelligent Lighting Management System.

Flexibility

0-10V, PWM or Resistance Dimming
DALI for remote monitoring, reporting
and networking optionsProgramable functions

John Son Barrier

• System Warranty & Reliability

Proven & Tested product reliability

Compliance to worldwide safety regulations
for lighting Suitable for dry, damp & wet location

Diagnostics and Add-On Control-Ready

Enables the customer to manage and access all the lamp parameters, such as, failure data and power consumption

• Protection

Operating voltage of 100-350V and Superior protection against moisture, vibration and temperature extremes with Over Current, Voltage & Temperature and IP67 for outdoors

• Performance

High efficiency up to 95% (100% Load) Built-in active PFC function Passive Cooling - no moving parts Lifetime up to 100,000 Hours

*DRIVER VARIES PER MODEL, OPTIONS, TECHNICAL REQUIRMENTS AND AVAILBILITY (THIS IS PER KAISTAR DISCRESSION)

COBRATECH Series 4

Superior Optical System And Light Engine Delivers optimal Iight distribution!

Proprietary Optics

- The proprietary optics, developed by CBT's optical engineering team, allow for maximizing the lumens, produced by the highly efficient light engine to be delivered to the intended surface & protected by highly efficient tempered glass resistant to UV radiation.
- Most of the current "high" lumen/watt luminaries are unable to deliver lumens generated to the targeted surface with the same efficiency as Cobratech and it's patented lenses. Therefor they need more total lumen and power to achieve similar light intensity on the desired surface.
- The COBRATECH optical system uses best in class light sources. This combined with the highly efficient secondary optics and electronics results in the industry leading delivered Lux/watt on the desired surface and avoiding "overspill" of light that is wasted and is the main source of light pollution.
- Wasted light can lead to light pollution, such as Glare (the result of excessive contrast between bright and dark areas in the field of view), Light Trespass (unwanted light falling on non-targeted areas), and Sky Glow (a glowing effect in the sky).

Superior Uniformity

 CBT Roadway, Parking and Area Luminaires distributes a more even light across the intended target, eliminating hot spots



