

SOLID STATE AREA LIGHTING

COLONIAL SERIES-LED

FEATURES

Luminaire

Durable, corrosion resistant, heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Traditional styling of the housing provided with cast aluminum housing top hinges for easy access. All hardware is stainless steel.

✓LED® Optical Module

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire ✓LED® Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED Emitters

High Output LED's are driven at 350mA for nominal 1 Watt output each or 525mA (COL21 and COL18 only) for nominal 1.5 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED Driver

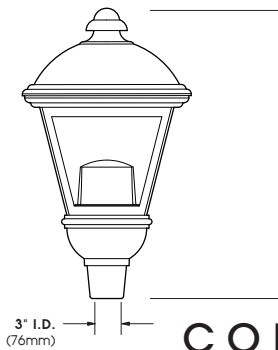
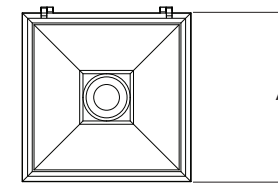
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME: _____

FIXTURE TYPE: _____



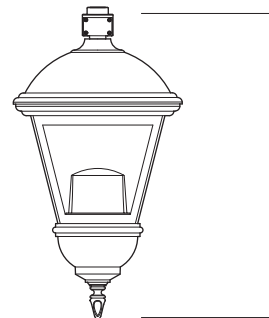
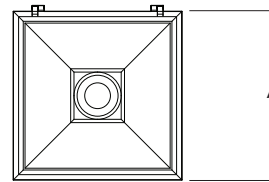
COL



PATENT PENDING

Fitter supplied to fit over 2 7/8" X 3" (73mm X 76mm) tennon.

FIXTURE	A	B
COL21-LED	21" 533mm	35" 889mm
COL18-LED	18" 457mm	31" 787mm
COL12-LED	12" 305mm	22" 559mm



COL-PM-LED



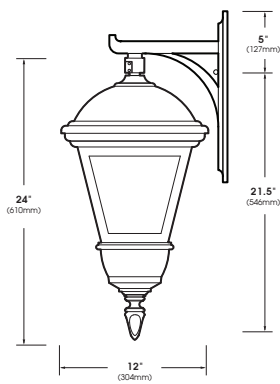
PATENT PENDING

FIXTURE	A	B
COL21-PM-LED	21" 533mm	36" 914mm
COL18-PM-LED	18" 457mm	32.5" 829mm
COL12-PM-LED	12" 305mm	24" 610mm

COLONIAL - LED

SPECIFICATIONS

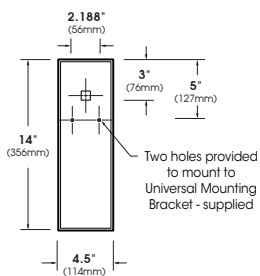
Wall Mounting



(COL12-WM shown)

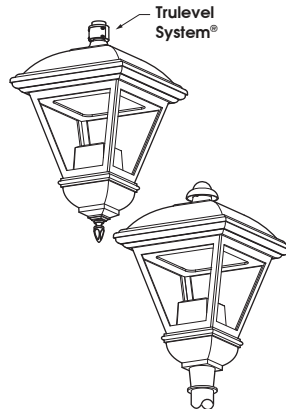
Extruded aluminum arm and cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection.

Wall Plate

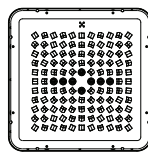


Two holes provided to mount to Universal Mounting Bracket - supplied

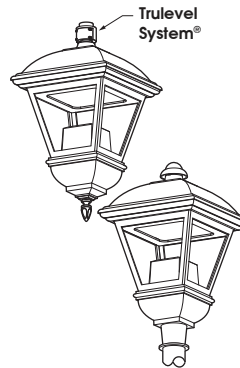
VLED® Modules



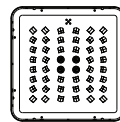
COL21-LED
COL21 E.P.A.= 2.03
COL21-PM E.P.A.= 1.93
Available in:
120 LED Max



120 LED Module



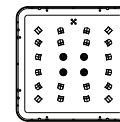
COL18-LED
COL18 E.P.A.= 1.60
COL18-PM E.P.A.= 1.55
Available in:
64 LED Max



64 LED Module



COL12-LED
COL12 E.P.A.= 0.90
COL12-PM E.P.A.= 0.81
Available in:
24 LED Module



24 LED Module

MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT	
	350mA	525mA
120	130W	192W
100	110W	164W
80	85W	126W
64	69W	103W
48	55W	76W
24	26W	-

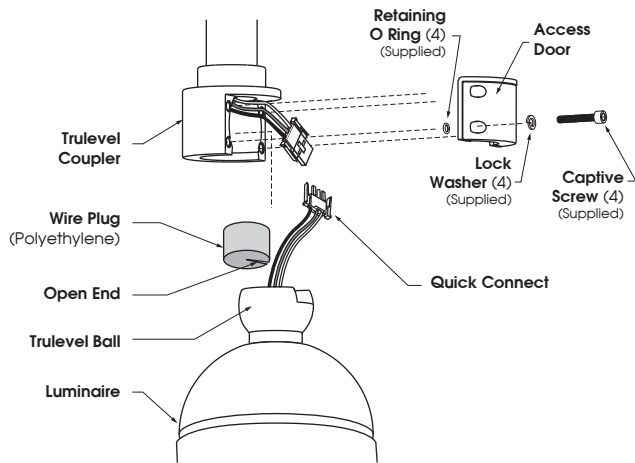
ORDERING INFORMATION

Spec/Order Example: COL21/VLED-VSQ/120LED CW/3-90/RAL7004/DF

Luminaire	Optics	LED Mode			Voltage	Mounting	Finish	Options
Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
<input type="checkbox"/> COL21-LED <input type="checkbox"/> COL21-PM-LED <input type="checkbox"/> COL18-LED <input type="checkbox"/> COL18-PM-LED <input type="checkbox"/> COL12-LED <input type="checkbox"/> COL12-PM-LED	VLED® <input type="checkbox"/> Type II VLED-II <input type="checkbox"/> Type III VLED-III <input type="checkbox"/> Type IV VLED-IV <input type="checkbox"/> Type V VLED-VSQ <input type="checkbox"/> Type Symmetric VPA-SYM*	# of LEDs COL21 <input type="checkbox"/> 120LED <input type="checkbox"/> 100LED <input type="checkbox"/> 80LED <input type="checkbox"/> 64LED COL18 <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED COL12 <input type="checkbox"/> 24LED ¹	# of LEDs <input type="checkbox"/> 525mA <input type="checkbox"/> 350mA	Color Temp - CCT <input type="checkbox"/> NW (4000K)* *Standard <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) Other LED Colors Available Consult Factory	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<input type="checkbox"/> 1 <input type="checkbox"/> 2-180 <input type="checkbox"/> 2-90 <input type="checkbox"/> 3-90 <input type="checkbox"/> 3-120 <input type="checkbox"/> 4-90 Wallmount <input type="checkbox"/> WM Post Top <input type="checkbox"/> PT	Standard Textured Finish <input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	<input type="checkbox"/> Internal House Side Shield HS <input type="checkbox"/> Dimmable Driver(s) (0-10V) DIM <input type="checkbox"/> High-Low Dimming for Hardwired Switching or Non-Integrated Motion Sensor HLSW <input type="checkbox"/> 10KV Surge Protector 10SP <input type="checkbox"/> 20KV (277V & 480V only) 20SP <input type="checkbox"/> Photo Cell + Voltage (Example: PC120V) PC+V <input type="checkbox"/> Twist Lock Receptable Only (COL21 and COL18 only) TPR <input type="checkbox"/> Single Fuse (120V, 277V) SF <input type="checkbox"/> Double Fuse (208V, 240V) DF

COLONIAL - LED

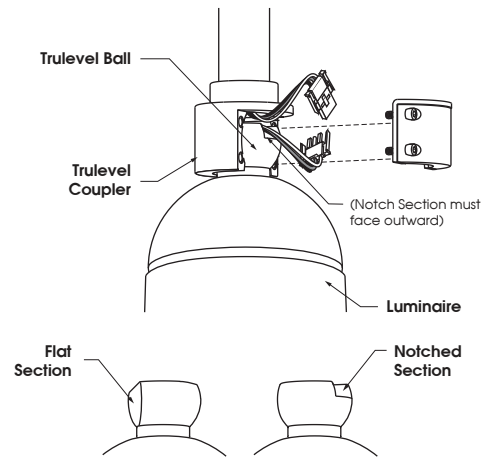
Trulevel System® Assembly for Installation of Pendant Mount Luminaires



1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.

Press open end of Wire Plug around Quick Connect wires.

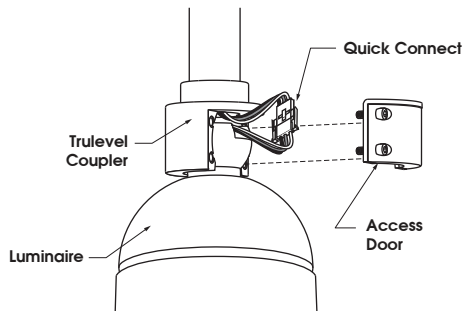
Slide Wire Plug down the wires and into Trulevel Ball opening, press Neoprene firmly into opening to prevent moisture and other contaminants from entering Luminaire Assembly.



2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.

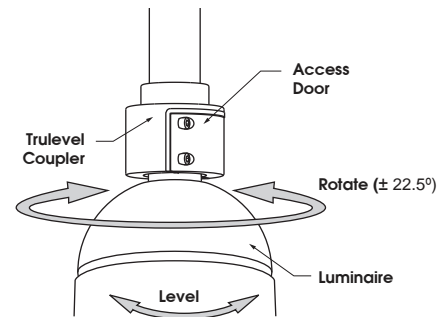
A - Notched Section of Trulevel Ball must face outward as illustrated.

B - Flat Section of Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

Fixture will suspend without Access Door during installation.



4. Rotate (left to right $\pm 22.5^\circ$) and level Luminaire to desired position. Tighten Access Door.

(Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.