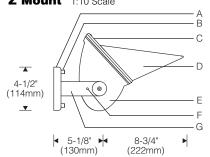
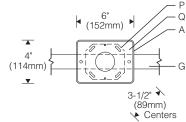
Solid State (LED)

# Style \$104

#### Z Mount 1:10 Scale





**Mounting Plate** (Z mount)

■ Maintains over 90% of initial light output after 36,000 hours

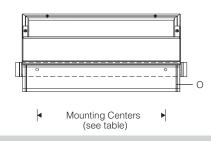
■ Fully adjustable and lockable aiming with aiming index

■ Universal voltage drivers and light engines are serviceable

■ 2700K through 4000K at 70+, 80+ or 90+ CRI

■ All aluminum and stainless steel construction

# Y Mount 1:10 Scale 8" (203mm)



Length (see table)

# of LEDs	Length	Mounting*	
36	12-1/16"** (306mm)	8-7/8"** (225mm)	
72	17-13/16" (452mm)	14-5/8" (370mm)	
108	24-7/8"** (632mm)	21-11/16"** (550mm)	

- \*Mounting dimensions shown for Y mount only.
- \*\*For mounting codes 1, 2, 3, 4: Length = 17-13/16"

### **Specifications**

A Aluminum canopy (Z mount)

5-1/8"

(130mm)

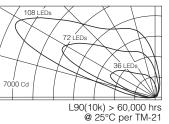
- B Chrome cap nuts
- **C** Mitred extruded aluminum door frame w/ silicone gasket
- **D** Solid cutoff visor (included)
- E Die-cast end plates with aiming marks
- F Locking set screw
- **G** Aluminum yoke
- **H** Conduit (by others)
- J Field serviceable light engine with fragtir<sup>TM</sup> asymmetric optic
- K Integral drivers
- L Integral splice compartment with conduit entry and removable cover (Y mount)
- M Micro-prismatic tempered glass lens
- N Extruded aluminum housing
- O Aluminum reveal plate (black)
- **P** Outlet box (by others)
- **Q** Aluminum mounting plate

### for replacement or upgrade **Performance**

**Features** 

fragtir technology uses a combination of refraction and total internal reflection. creating a distribution of light ideal for illuminating surfaces uniformly. Glare is minimized while light delivered to the target is maximized, resulting in high application efficiency.





SC

12.0



Optic Assembly:

Two-piece extruded aluminum heat sink housing and light engine. Exterior heat sink anodized for maximum emissivity. Removable interior extrusion treated to maximize thermal conductivity. Precision formed asymmetric optical light bar of high temperature, water-clear acrylic. Tempered microprismatic glass lens with elliptical distribution holographic diffuser; maximizes lateral distribution without disturbing asymmetric forward throw.

8-3/4"

(222mm)

#### Finish:

Painted surfaces - 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish. Formed aluminum visor.

Extruded aluminum heat sink/housing, canopy, yoke, door frame and decorative end plates are finished in semigloss white. All luminaire hardware is stainless steel: mounting hardware is zinc or electroplated steel.

#### Mounting:

**Z** mount – wall plate mounts to recessed outlet box (by others). Canopy conceals mounting plate and hardware.

Y mount - surface mounted yoke attaches with 1/4-20 fasteners (by others) concealed under splice cover.

Uplight pendant (back-to-back) or cantilever mounting assembly ordered separately: specify X mount.

One, two, three or four-way cluster pendant assembly ordered separately (see Accessories); specify 1, 2, 3 or 4 mount.

#### Electrical:

Use 90°C wire for supply connections. Integral electronic HPF constant current driver. For complete driver specifications, see website, reference document MA-1303.

#### Standard:

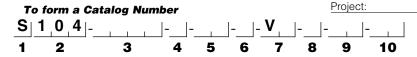
CSA certified to UL1598, UL8750, CSA C22.2 for dry locations; specify **VP** option for damp locations. Where pendant or cantilever may be exposed to wind, consult factory. 5 year warranty, maximum ambient temperature 45°C (113°F).







DLC for interior wall washing only.



#### 1 Source

S = Solid State (LED)

# 2 Style

104 = Large surface, integral driver

### 3 Drive Current/Length/No. of LEDs

Solid State LED with **fragtir** optics. Choose drive current code/ number of LEDs in options below.

Lumen/Wattage Options						
LAMP CODE	FIXTURE LENGTH	INPUT WATTS	LUMENS	NUMBER OF LEDs	DRIVE CURRENT	
5036	12-1/16"	56W	3812	36 LEDs	500mA	
5072	17-13/16"	110W	7569	72 LEDs	500mA	
5108	24-7/8"	165W	11365	108 LEDs	500mA	

Based on 4000K, 70+CRI. Click here for scaled performance table.

### 4 Mounting

**Z** = External yoke on wall plate

Y = External voke with integral splice compartment

**X** = External voke for use with cantilever or pendant (order separately). For use in natatorium, consult factory.

Cluster pendant assemblies (order VPC pendant separately):

= One-way assembly, single housing

= Two-way assembly, **two (2)** housings at 180°

= Three-way assembly, three (3) housings at 120°

Four-way assembly, four (4) housings at 90°

#### 5 Finish

02 = Solid visor; semigloss white finish

99 = Custom RAL or computer matched color to be specified; consult sales representative

#### 6 Voltage/Driver

Electronic Driver Electronic Dimming Driver\*

8 = 120-277VM = 120-277V3 = 347VK = 347V

\*Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303



# **7 Option** (see Accessories Section for specifications)

**V0** = Cutoff visor included, no other options

**VP** = Natatorium (pool) use

**VX** = For modification not listed, include detailed description. Consult factory prior to specification

Note: Cutoff visor included unless specified otherwise.

#### 8 Destination Requirement

0 = UL listed or CSA certified for U.S.

UL listed or CSA certified for Canada

#### **Color Temperature**

2H = 2700K, 90+ CRI **27** = 2700K, 80+ CRI

30 = 3000K, 80 + CRI3H = 3000K, 90+ CRI

35 = 3500K, 80 + CRI

**40** = 4000K, 80+ CRI 4L = 4000K, 70+ CRI

Additional CCT and CRI options are available; consult factory

# 10 Dimming\*\*

00 = Non-dimmina

**TE** = Trailing Edge Dimming 120-277V input, dimming range 100-10%, line voltage trailing edge/reverse phase/ELV dimming (controls by others)

**ZX** = 0-10V analog dimming 120-277V input, dimming range 100%-5%, 0-10V controls by others

**EL** = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, 0-10V controls by others

**ED** = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

elliptipar by The Lighting Quotien lighting facts Light Output (Lumens) 9207 165.7 Lumens per Watt (Efficacy) 55.6 Color Accuracy 84 3079 (Bright White) LED Lumen Maintenance Projection 99.3% at 36,000 Hours at 25°C Ambient Yes All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: The U.S. Department of Energy (DOE) verifies product test data and results. \* Based on TM-21 projections for the light source \*\* See www.lightingfacts.com/products for details Registration Number: 3HVJ-IXB1BP (2/26/2015 Model Number: \$104-5108-X-02-1-V0-0-30-00 108 LEDs @ 500mA

(3000K/80+CRI) shown. Use 1.23 multiplier for 4000K/70+CRI.

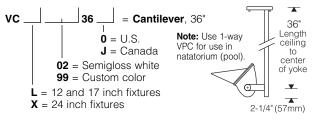
\*\*Dimming range refers to % power input, % light output will vary. Refer to Driver Information document MA-1303

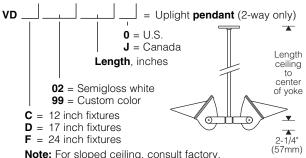
The external shapes of the housings are trademarks of Sylvan R. Shemitz Designs, LLC dba The Lighting Quotient, makers of elliptipar, tambient and fraqtir.

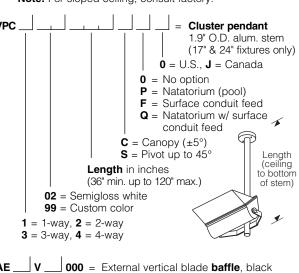
#### elliptipar from The Lighting Quotient

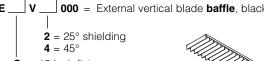
114 Boston Post Road, West Haven, Connecticut 06516, USA Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com Type: **Accessories** 

Order separately. See Accessories Section for specifications.









**C** = 12 inch fixtures  $\mathbf{D} = 17$  inch fixtures

 $\mathbf{F}$  = 24 inch fixtures

Certain products illustrated may be covered by applicable patents and patents pending. These specifications supersede all prior publications and are subject to change without notice. Copyright @ 2016 Sylvan R. Shemitz Designs, LLC, all rights reserved.