

Fail-Safe

DESCRIPTION

The Fail-Safe Harmony VR provides exceptional aesthetics with remarkable strength. A wide variety of lamp options and connection configurations offer unmatched versatility for a wide range of applications. Die-Cast end caps, heavy extruded aluminum body provides strength and rigidity for complex environments while an extruded linear ribbed polycarbonate lens obscures the lamp image and spreads light evenly. The Harmony VR Linear is ideal for areas where the need for aesthetics and protection from vandalism are critical. Perfect for schools, hospitals, corridors, dormitories, public restrooms, common areas, and transit stations.

SPECIFICATION FEATURES

Housing

Heavy duty extruded aluminum rails and die-cast end caps provide rigid construction. Smooth end caps provided with internal 7/8" knockouts. Finished in white standard. Optional architectural colors available.

Fasteners

Stainless steel TORX® with center reject pin and allen head set screws provided. Screw heads are side mounted and concealed under lens.

Lens

One piece extruded UV stabilized polycarbonate. Unique linear ribbed design provides even light distribution while obscuring lamp image and direct glare. Internal ribs reduce dirt build-up and make cleaning easier. Nominal thickness 0.135".

Reflector

20 ga. CRS with white high reflectance polyester powder coat finish. Reflector serves as ballast and wireway cover.

Lamps

By others.

Socket

Pressure lock lampholders.

Ballast

Ballasts are CBM/ETL Class "P" and positively secured to housing.

Labels

UL/cUL listed for wet locations for covered ceiling surface mount. Damp location standard for all other mountings. IP64 optional.



HVL8

8" Individual

Harmony

T5

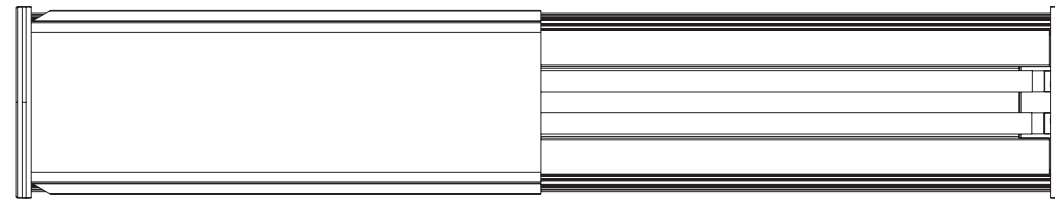
T8

Fluorescent

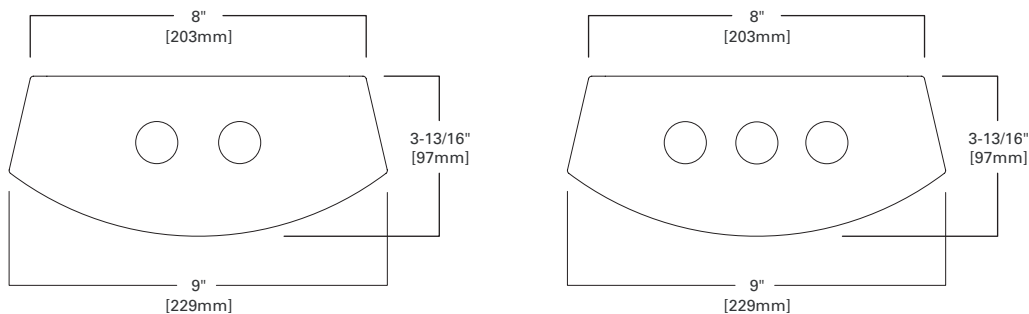
Vandal Resistant Linear

Polycarbonate

Clear Linear Ribbed or Smooth
Opal



END DIMENSIONS



ENERGY DATA

For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

ORDERING INFORMATION

SAMPLE NUMBER: HVL8-332-UNV-O-EB82-D

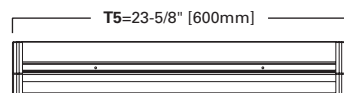
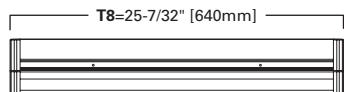
Product Family	Lamp Type	Voltage	Lens Type	Ballast	End Caps	Options	Finish	Accessories (Order Separately)
HVL8 =Harmony VR Linear 8" Width 2' & 4' Length		Voltage 120 =120V 277 =277V 347 =347V UNV =120-277V UNC =347-480V		Electronic Ballast EB81 =(1) Ballast for use with T8 lamp EB82 =(2) Ballasts for use with T8 lamp EB83 =(3) Ballasts for use with T8 lamp EB84 =(4) Ballasts for use with T8 lamp EB51 =(1) Ballast for use with T5 lamp EB52 =(2) Ballasts for use with T5 lamp EB53 =(3) Ballasts for use with T5 lamp EB54 =(4) Ballasts for use with T5 lamp	D =Decorative End Caps, Sculpted S =Smooth End Caps, Flat		Blank =Architectural White BK =Architectural Black DP =Dark Platinum	
8THVL8 =Harmony VR Linear 8" Width, 8' Length		Lens Type C =Clear Linear Ribbed (smooth on outside) O =Opal Smooth (no ribs)			EL4 =EM Pack, T8 1, 4, 5 EL5 =EM Pack, T5, T5HO 1, 4, 5 FNL =Fluorescent Night Light (5, 7, 9W) 1, 3 PM =Pendant Mount 2, 11 GLR =Fuse and Holder TILW =Tandem Inline Wiring (8T only) UPL =Uplight 12 NSF =Certified NSF Rating for Food Industry P11BLK-6PP-WG =Single circuit harness, hot conductor black and white neutral connected to driver(s), with ground 6, 7 P12BLK-6PP-WG =Dual circuit harness, hot black conductor and white neutral connected to driver(s), with ground 6, 7 P12BLU-6PP-WG =Dual circuit harness, hot blue conductor and white neutral connected to driver(s), with ground 6, 7 IB/OB =Inboard/outboard wiring (only necessary for 8T- 2', 4' fixtures default to IB/OB) OS =Integral motion/occupancy sensor (within lens) 8, 9 IP64 =IP64 Compliant 11 NAT =Natorium Finish, Aluminum Components, Stainless steel Hardware	VRSD =T20 Center Pin Tamperproof TORX®-head bit		
Lamp Type								
2' Length 10								
114 =(1) 14W T5 Lamp								
214 =(2) 14W T5 Lamps								
314 =(3) 14W T5 Lamps								
124 =(1) 24W T5HO Lamp								
224 =(2) 24W T5HO Lamps								
117 =(1) 17W T8 Lamp								
217 =(2) 17W T8 Lamps								
317 =(3) 17W T8 Lamps								
3' Length								
121 =(1) 21W T5 Lamp								
221 =(2) 21W T5 Lamps								
321 =(3) 21W T5 Lamps								
139 =(1) 39W T5HO Lamp								
239 =(2) 39W T5HO Lamps								
339 =(3) 39W T8 Lamps								
125 =(1) 25W T8 Lamp								
225 =(2) 25W T8 Lamps								
325 =(3) 25W T8 Lamps								
4' Length								
128 =(1) 28W T5 Lamp								
228 =(2) 28W T5 Lamps								
328 =(3) 28W T5 Lamps								
154 =(1) 54W T5HO Lamp								
254 =(2) 54W T5HO Lamps								
132 =(1) 32W T8 Lamp								
232 =(2) 32W T8 Lamps								
332 =(3) 32W T8 Lamps								
8' Length								
128 =(1) 28W T5 Lamp								
228 =(2) 28W T5 Lamps								
328 =(3) 28W T5 Lamps								
154 =(1) 54W T5HO Lamp								
254 =(2) 54W T5HO Lamps								
132 =(1) 32W T8 Lamp								
232 =(2) 32W T8 Lamps								
332 =(3) 32W T8 Lamps								
Notes:								
1 Must specify voltage.								
2 Stems must be ordered separately.								
3 FNL not available with 3-lamp cross-section.								
4 Standard EBP is low-profile (1.18" height). For larger profile EBP, wireway cover size is increased to fit over the EBP which causes a noticeable shadow/dark spot when fixture is illuminated. Lamps are off-center to accommodate the larger size EBP. Consult factory for details.								
5 Not available in 3-lamp cross-section.								
6 Consult factory for additional configurations.								
7 Black conductor connected to outboard lamp - default at factory with inboard/outboard wiring.								
8 Connected to all ballasts on fixture. Consult factory for other OS/lamp configurations. Voltage specific 120 or 277.								
9 2-lamp cross-section maximum.								
10 (1) AC ballast and (1) EM ballast maximum or (2) AC ballasts with no EM ballasts.								
11 IP64 not available with PM option.								
12 Available with PM only.								

SIDE DIMENSIONS

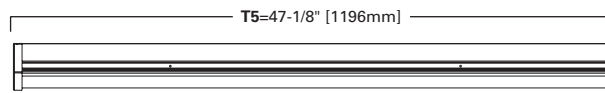
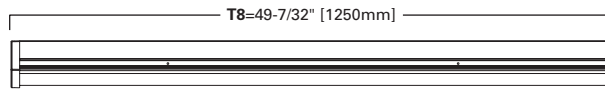
Consult factory for 8' dimensions.

SMOOTH END CAPS

2'

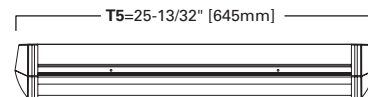
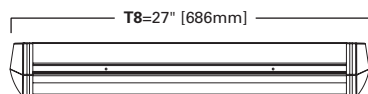


4'

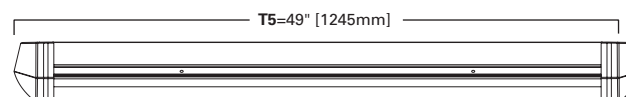
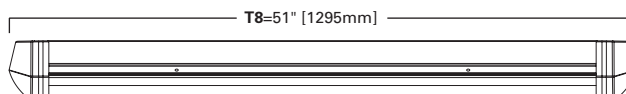


DECORATIVE END CAPS

2'



4'



CONNECTORS AND ACCESSORIES

8" CORNER MOUNT BRACKET ¹

HVL8-2T5CM = 8", 2Ft. T5 Corner Mount **HVL8-2T8CM** = 8", 2Ft. T8 Corner Mount **HVL8-2LEDCM** = 8", 2Ft. LED Corner Mount

HVL8-4T5CM = 8", 4Ft. T5 Corner Mount **HVL8-4T8CM** = 8", 4Ft. T8 Corner Mount **HVL8-4LEDCM** = 8", 4Ft. LED Corner Mount

Note: ¹ Requires 90-degree offset 1/4" driver and VRSB bit for installation.

12" CORNER MOUNT BRACKET ¹

HVL12-2T5CM = 12", 2Ft. T5 Corner Mount **HVL12-2T8CM** = 12", 2Ft. T8 Corner Mount **HVL12-2LEDCM** = 12", 2Ft. LED Corner Mount

HVL12-4T5CM = 12", 4Ft. T5 Corner Mount **HVL12-4T8CM** = 12", 4Ft. T8 Corner Mount **HVL12-4LEDCM** = 12", 4Ft. LED Corner Mount

Note: ¹ Requires 90-degree offset 1/4" driver and VRSB bit for installation.

PENDANT MOUNT: Suspension Sets - Stem Sets

XX = Length (6, 8, 12, 24, 36, 48, 60, 72)

SCF-XX-B = Fixed Stem Set

Used with all surface fixtures as stem sets. One set consists of one stem assembly. Minimum of two sets required per fixture. Not rated WL under covered ceiling.

NOTE: Coupler, 3/8" IPS Pipe Coupler to join lengths. Coupler is standard baked white enamel or special order of black. Must specify pendant mount (PM) option on luminaire.

Lifetime Warranty

Fail-Safe will repair or provide a replacement fixture for any VR architectural luminaire found to be inoperative due to physical abuse for the duration of the installation. ** This includes all VR polycarbonate lens luminaires. This warranty is only valid to proper installation of the luminaire, using the four-point mounting method for all luminaires. Furthermore, Fail-Safe cannot warranty product against some forms of anti-social human behavior involving corrosive chemicals, fire, paint or gunfire.

** To make a claim, contact your Cooper Lighting Agent to arrange an RMA (Return Material Authorization) for the claimed product. Upon receipt and verification of the defect, Cooper Lighting will return to you a repaired or, at Cooper Lighting's sole option, replacement fixture.