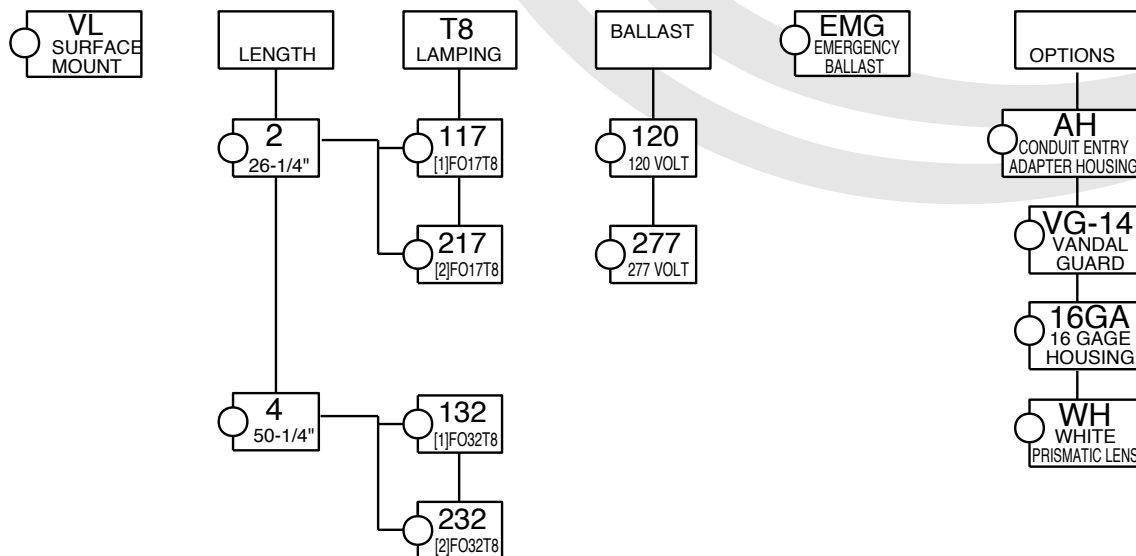


### ORDERING DATA



# Specifications

**DESCRIPTION:** Vandal resistant fixture; ideal for correctional, educational, garage, and recreational facilities. Low profile and partial upright makes it versatile for a variety of mounting locations.

**HOUSING:** Precision die formed 18 gauge cold rolled steel. Welded construction for rigidity. The socket plates and ballast cover are easily accessible for servicing.

**SHIELDING:** Clear prismatic acrylic for reduced glare. Consult factory for options not listed.

**BALLAST:** Electronic T8, Class "P", CBM-ETL certified. Consult factory for magnetic T12 ballast

**FINISH:** All steel parts are treated with the HASCO "Perm-O-Last" multi-stage rust inhibitive process. Standard finish is a durable baked white enamel with a minimum reflectance of 90%. Consult factory for other colors and finishes. Fixture is post painted.

**LABELING:** All HASCO fixtures are U.L. approved and IBEW union made.

## PHOTOMETRICS: VL SERIES

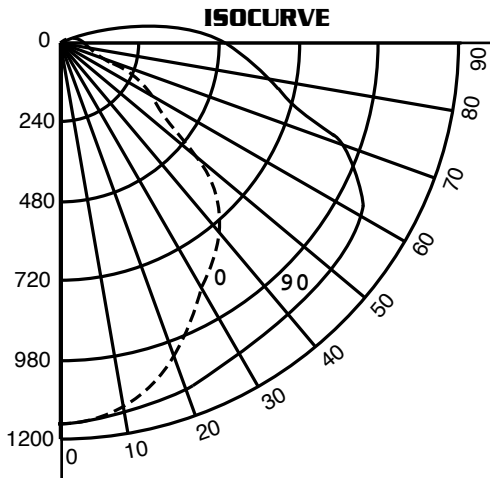
COEFFICIENTS OF UTILIZATION, ZONAL CAVITY METHOD  
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

CEILING WALL	80		50			10			
RCR	70	50	30	50	30	10	50	30	10
0									
1	57	51	49	48	46	44	41	40	39
2	52	48	38	41	38	35	35	33	31
3	47	40	31	36	32	29	31	28	26
4	43	35	26	32	28	24	27	24	22
5	39	31	22	28	24	20	24	21	18
6	35	28	19	25	20	17	21	18	16
7	33	25	16	22	18	15	19	16	14
8	30	22	14	20	16	13	17	14	12
9	28	20	12	18	14	11	16	12	10
10	26	18	10	16	12	10	14	11	9

**Luminaire: Formed Steel**  
**Ballast: Valmont E232P1120G01**  
**Lamping: [2] F032T8 @2900 lumens**  
**Mounting: Surface**

**HASCO File #29871/ITL**  
**Prepared by: P. Marshall**  
**Catalog number: VL-4-232-120**

**Data subject to change**  
**Please consult factory for**  
**additional information.**



### CANDLE POWER SUMMARY

VERT ANGLE	0	45	90
0	1121	1121	1121
10	1113	1121	1124
20	1073	1125	1119
30	996	1108	1106
40	884	1057	1093
45	732	946	1089
50	543	783	1008
60	332	615	995
70	161	481	914
80	52	315	603
90	24	243	495

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXTURE
0-30	808	9.5	17.0
0-40	1008	15.8	28.2
0-60	1941	30.3	54.3
0-90	3035	47.4	85.0