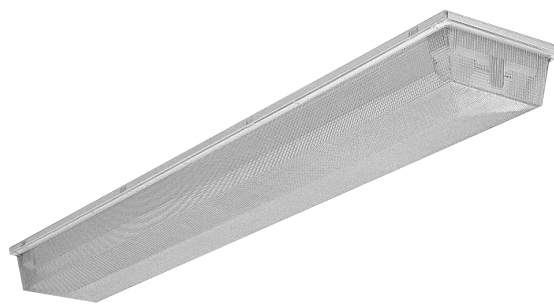


Simple to use, vandal resistant secure illumination.

VA248/VA148
THE VANDAL



8" X 50" SURFACE FLUORESCENT
3⁵/₈" DEEP POLYCARBONATE LENS
1 OR 2 LAMP RAPID START

Heavy duty 16 gauge cold rolled steel housing. Wall or ceiling mounts.
Clear injection molded polycarbonate lens for toughness. Lens secured with
vandal-proof screws. Easily removable ballast cover. Polycarbonate lens only
3⁵/₈" deep, ideal for low ceilings. 52.4% efficient. Also available as a 2' model.

Project: _____
Location: _____
Catalog No: _____
Fixture Type: _____
Mfg: _____ Lamps: _____ Qty: _____
Notes: _____

Ordering Guide

Explanation of Catalog Number Example: VA248120SO

The Vandal	Lamp Quantity	Lamp/Fixture Length/Watt	Voltage	Ballast Type	Options
VA					
	1 = 1 Lamp 2 = 2 Lamps	24 = Nominal 26" 17W T8 or 20W T12 48 = Nominal 50" 32W T8 or 34W T12	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	LE = 1 or 2 Lamp T12 Magnetic <20THD <10THD SO* RO** 1 or 2 Lamp T8 Electronic PS — LOL T8 Dimming *Instant Start Standard ** Rapid Start Standard	Add appropriate suffix to catalog No.

VA248/VA148

THE VANDAL

Performance

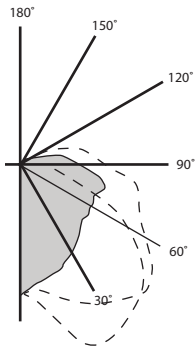
Report Number: G93122

Catalog No: VA248-IR

Lamp Type: 2 F32T8/TL735

Lumens per Lamp: 2850

Total Efficiency: 52.4%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	90.0	Flux
0	426	426	426	426	426	40
5	441	434	416	408	404	133
15	572	536	457	394	375	232
25	638	612	508	393	342	314
35	605	605	547	393	309	373
45	539	556	570	404	272	396
55	431	494	490	438	262	380
65	294	408	411	429	256	345
75	152	262	390	443	273	261
85	34	181	305	337	202	201
90	13	146	262	293	177	148
95	12	134	246	275	161	82
105	13	93	188	216	117	39
115	16	45	114	122	73	24
125	17	27	51	58	48	13
135	17	15	36	44	41	5
145	16	10	20	29	30	2
155	14	8	6	13	14	1
165	12	12	5	5	5	
175	11	11	8	8	8	
180	9	9	9	9	9	

Coefficients of Utilization

RC	80%				50%			30%			
RW	70	50	30	10	50	30	10	50	30	10	
RCR	Zonal Cavity Method Effective Floor Cavity Reflectance = .20										
Room Cavity Ratio	1	53	49	46	44	43	41	39	40	38	36
	2	47	42	37	34	37	33	30	33	31	28
	3	42	36	31	27	31	28	24	29	26	23
	4	38	31	26	22	27	23	20	25	22	19
	5	35	28	22	19	24	20	17	22	19	16
	6	32	25	19	16	22	18	14	20	16	14
	7	30	22	17	14	20	15	13	18	14	12
	8	27	20	15	12	18	14	11	16	13	10
	9	26	18	14	11	16	12	10	15	12	9
	10	24	17	12	9	15	11	9	14	11	8

Luminance Data in Candela / Sq. Meter

Angle	Along	45	Across
45	3143	2846	1188
55	3023	2786	1253
65	2691	2813	1399
75	2093	3485	1806
85	1006	4104	1759

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	405	7.1	13.5
0-40	719	12.6	24.0
0-60	1488	26.1	49.8
0-90	2473	43.4	82.8
90-120	431	7.6	14.4
90-130	470	8.2	15.7
90-150	507	8.9	17.0
90-180	515	9.0	17.2
0-180	2988	52.4	100.00

Options/Accessories

Electrical/Wiring Options:

For special wiring or fusing, consult your Philips Lighting representative.

Emergency Lighting System:

Suffix: **O**.

Emergency Battery Pack:

With charger. (90 minutes at 15% of lumens for 1 lamp)



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