

- 430 mA
- 20-40 Watt Lamp Applications

# UNIVERSAL® ELECTROMAGNETIC BALLASTS

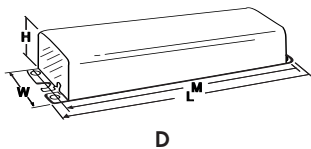
**FOR 20, 22, 32 AND 40 WATT LAMPS**

Fluorescent-Electromagnetic

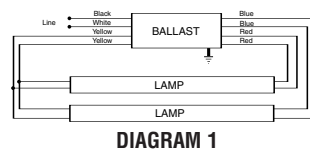
Lamp		Line Volts	Catalog Number	Certification					Line Current (Amps)	Input Power (Watts)	Ballast Factor	Ballast Efficacy Factor	Crest Factor	THD %	Min. F/C Start Temp	Sound Rating	Wiring Diag.	Dim.
Qty.	Descr.			E	UL	SF	UL	NOM										
<b>FC6T9 (20 Watt) - Normal Power Factor</b>																		
1	Preheat	120	200-C-S-P♣✱	•	•			.40	29	1.01	3.47	< 1.7	< 10	50/10	A	28	D11	
1	Rapid	120	547-RS-WS-TC-P✱	•	•			.64	27	.90	3.30	< 1.7	< 10	50/10	A	29	D1	
<b>FC8T9 (22 Watt) - Normal Power Factor</b>																		
1	Preheat	120	200-C-S-P♣✱	•	•			.24	22	.93	4.19	< 1.7	< 10	50/10	A	28	D11	
1	Rapid	120	547-RS-WS-TC-P☆✱	•	•			.60	30	.85	2.83	< 1.7	< 10	50/10	A	29	D1	
<b>FC12T9 (32 Watt) - High Power Factor</b>																		
2	Rapid	120	W-589-D-TC-PⓈ■	•	•			.64	76	.89	1.17	< 1.9	< 20	0/-18	A	1	D4	
<b>FC12T9 (32 Watt) - Normal Power Factor</b>																		
1	Preheat	120	202-B-TC-PⓈ✱	•	•			.67	37	.91	2.44	< 1.7	< 10	50/10	A	22	D11	
1	Preheat	120	202-SB-TC-P♣✱	•	•			.67	37	.91	2.44	< 1.7	< 10	50/10	A	28	D11	
1	Rapid	120	445-RS-WS-TC-P☆✱	•	•			.60	35	.68	1.97	< 1.7	< 20	50/10	A	29	D1	
<b>FC16T9 (40 Watt) - High Power Factor</b>																		
2	Rapid	120	W-589-D-TC-PⓈ■	•	•			.88	98	.95	0.96	< 1.7	< 20	0/-18	A	1	D4	
<b>FC16T9 (40 Watt) - Normal Power Factor</b>																		
1	Rapid	120	445-RS-WS-TC-P☆✱	•	•			.55	33	.60	1.83	< 1.7	< 20	50/10	A	29	D1	

- ☆Also available in White Cans
- ♥Only available in White Cans
- ♣Starter is built in as an integral component
- ⓈRequires Starter
- ⓈMay be used with any combination of F30T12/RS, F40T12/RS, FC12T9/RS and FC16T9/RS
- For Replacement Only
- ✱For Distribution Only

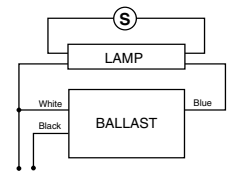
Overall Dimensions		Mounting Dimensions			
Draw #	L	W	H	M	X
D1	6 7/16	1 7/8	1 1/2	6	-
D4	9 1/2	2 3/8	1 11/16	8 57/64	1 11/16
D11	6 7/16	1 7/8	1 5/16	6	-



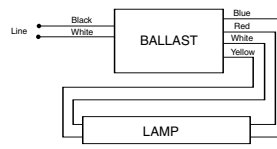
### WIRING DIAGRAMS



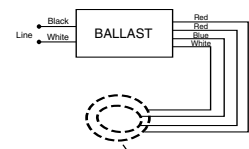
**DIAGRAM 1**



**DIAGRAM 22**



**DIAGRAM 28**



**DIAGRAM 29**