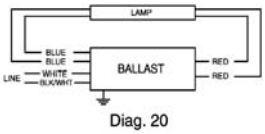
For 17W Lamps

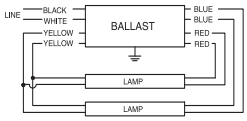
HIGH POWER FACTOR SOUND RATED A

No. of Lamps	Input Volts	Lamp Starting Method	Ballast Family	Catalog Number	Input Power ANSI (Watts)	Ballast Factor	Max. THD %	Line Current (Amps)	Min. Starting Temp. (°F/°C)	Dim.	Wiring Dia.
F17T8, FBO16T8 (17W)											
4	120	IS	AmbiStar‡	REB-4P32-SC	52	0.82	135	1.00	0/-18	B	66
			Standard	REL-4P32-SC	61	0.96	20	0.51			
		PS	Centium	RCN-4S32-SC	79	1.00	10	0.67	32/0		138
	277	IS	Standard	VEL-4P32-SC	61	0.96	20	0.22	0/-18	B	66
		PS	Centium	VCN-4S32-SC	79	1.00	10	0.29	32/0		138
	120-277	IS	Centium	ICN-4P32-LW-SC	53	0.79	15	0.44-0.19	0/-18	B	66
				ICN-4P32-SC	64	0.93	10	0.54-0.23			
			Optanium	IOP-4P32-LW-SC	53	0.81	10	0.45-0.20	-20/-29		
				IOP-4P32-SC	58	0.90	10	0.49-0.22			
				IOP-4P32-HL-90C-G	79	1.22	10-15	0.66-0.29		G	
		PS		IOP-4S32-LW-SC	48	0.72	10	0.40-0.18	0/-18	B	138
				IOP-4S32-SC	57	0.89	10	0.47-0.21			
	347	IS	Standard	GEL-4P32-LW	54	0.77	30	0.18	0/-18	A	66
				GEL-4P32-SC	62	0.94	20	0.18		B	
			Centium	GCN-4P32-SC	62	0.94	10	0.18			

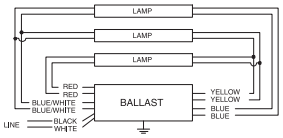
‡ The above AmbiStar ballasts are normal power factor and labeled 'For Residential Use Only'



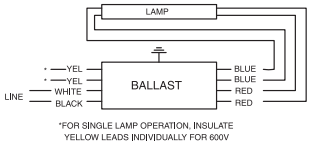
Diag. 20



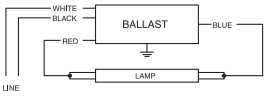
Diag. 21



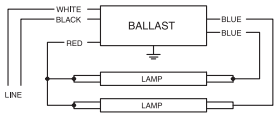
Diag. 30



*FOR SINGLE LAMP OPERATION, INSULATE YELLOW LEADS INDIVIDUALLY FOR 600V
Diag. 39

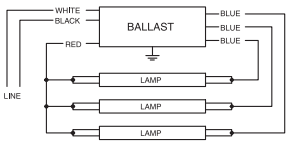


Diag. 63



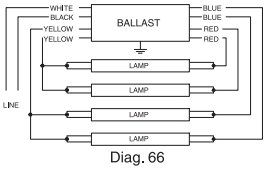
Diag. 64

* For Single Lamp Operation, insulate unused blue lead for 600 volts



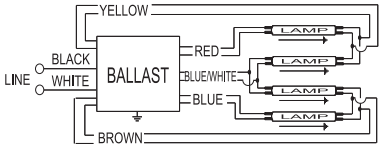
Diag. 65

* For Two Lamp Operation, insulate unused blue lead for 600 volts



Diag. 66

* For Three Lamp Operation, insulate unused blue lead for 600 volts



Diag. 138

See page 1-44 for Dimensions

Refer to pages 8-24 to 8-30 for lead lengths and shipping data

ORDERING INFORMATION

Corporate Offices
(800) 322-2086

Visit our web site at
www.advancetransformer.com

Customer Support/
Technical Service
(800) 372-3331
+1 (847) 390-5000 (International)

How to Order

Advance has developed the industry's broadest distribution system for electronic ballasts. More than 3000 stocking distributors nationwide. For information on the distributor best able to serve your needs, please call 800-372-3331 or go to www.advancetransformer.com/distributorsearch.

Electronic Ballast Part Number Breakdown

I	CF	-	2	S	26	-	H1	-	LD

CFL Mounting/Connector Options

BL = Bottom leads
BLS = Bottom leads with mounting studs
BS = Bottom mounting studs with single entry color coded connectors
EL = End leads
LD = Length mounting feet with SmartMate® dual entry color coded connectors
LS = Length mounting feet with single entry color coded connectors
QS = QuikStart

Linear Fluorescent Mounting/Connector Options

TP* = Thermal Protected
2LS = 2 Level Switching

CFL Can Desription

H1 = Hybrid metal / plastic case, size 1
L2 = Linear
M1 = Metal case, size 1
M2 = Metal case, size 2
M3 = Metal case, size 3
M4 = Metal case, size 4
M5 = Metal case, size 5
M6 = Metal case, size 6
S1 = Square, style 1
S2 = Square, style 2

Linear Fluorescent Can Desription

90C = 90°C maximum case temperature rating
A = "A" can
D = 'D' can
G = 'G' can
HL = High light output
L = "L" can
LW = Low watt
MC = Micro can
RH* = Reduced harmonics
S = Slimline
SC = Small can

Lamp Watts (Primary lamp)

Wiring Configuration

D = 2D, series
M = Modified parallel**
P = Parallel
Q = Quad CFL, series
S = Series
T = Triple CFL, series
TTS = Long twin tube, series
TTP = Long twin tube, parallel

Maximum Number of Lamps

Family Name

CF = Compact Fluorescent
DA = ROVR
EB = AmbiStar
EL = Standard
IC = Mark 5®
OP = Optanium
CN = Centium
DL = ROVR
ELB = AmbiStar
EZ = Mark 10® *Powerline*
MB = AmbiStar
ZT = Mark 7® *0-10V*

Input Voltage

G = 347V
H = IntelliVolt 347V to 480V 50/60 Hz
I = IntelliVolt 120V to 277V 50/60 Hz
J = IntelliVolt 277V to 480V 50/60 Hz
R = 120V
V = 277V

- Plan your lighting installation carefully; consider using the services of a qualified lighting designer
- Consult your local electric utility regarding demand side management rebate programs.
- Select the Advance electronic ballast which best matches the requirements of your application. The technical specifications in this catalog (located on pages 8-4 to 8-22) will be useful in obtaining bids from electrical contractors.
- Contact your local Advance distributor. You will find them to be a helpful supplier of both products and information.

* Many current and all future electronic ballast part numbers will not use the "RH-TP" suffixes even though these ballasts will be thermally protected.
** Parallel Wiring Configuration. However, if one lamp fails, all other lamps in the circuit will extinguish.

For 17W Lamps

HIGH POWER FACTOR SOUND RATED A

No. of Lamps	Input Volts	Lamp Starting Method	Ballast Family	Catalog Number	Input Power ANSI (Watts)	Ballast Factor	Max. THD %	Line Current (Amps)	Min. Starting Temp. (°F/°C)	Dim.	Wiring Dia.
F17T8, FBO16T8 (17W)											
1	120	IS	AmbiStar‡	REB-2P32-SC	19	1.02	150	0.30	0/-18	B	*64
			Standard	REL-1P32-SC	20	0.95	30	0.19			63
				REL-1P32-HL-SC	24	1.22	20	0.21			
		PS	Centium	RCN-1S32-SC	22	1.00	10	0.19	32/0		20
	277	IS	Standard	VEL-1P32-SC	20	0.95	30	0.08	0/-18	B	63
				VEL-1P32-HL-SC	24	1.22	20	0.10			
		PS	Centium	VCN-1S32-SC	22	1.00	10	0.08	32/0		20
	120-277	IS	Centium	ICN-132-MC	17	0.88	20	0.14-0.06	0/-18	A2	63
				ICN-1P32-LW-SC	16	0.80	10	0.13-0.06		B	
				ICN-1P32-SC	19	0.93	15	0.16-0.07			
				ICN-2P32-LW-SC	19	0.90	20	0.16-0.07			*64
				ICN-2P32-SC	22	1.07	15	0.18-0.09			
			Optanium	IOP-1P32-LW-SC	15	0.80	10	0.13-0.06	-20/-29		63
				IOP-1P32-SC	16	0.90	10	0.14-0.07			
				IOP-1P32-HL-SC	22	1.23	15	0.19-0.08			
				IOP-2P32-LW-SC	18	0.90	20	0.15-0.07			*64
				IOP-2P32-SC	19	1.06	15	0.17-0.08			
				IOP-2P32-HL-SC	25	1.42	20	0.21-0.10			
		PS		IOP-1S32-LW-SC	14	0.79	10	0.12-0.05	0/-18		20
				IOP-1S32-SC	16	0.97	10	0.14-0.07			
				IOP-2S32-LW-SC	15	0.78	15	0.12-0.06			39
				IOP-2S32-SC	17	0.97	15	0.14-0.07			
			Mark 5	IIC-132-SC	18	0.88	15	0.15-0.07			20
	347	IS	Standard	GEL-1P32-SC	21	0.93	20	0.08			63
			Centium	GCN-1P32-SC	21	0.93	10	0.08			

‡ The above AmbiStar ballasts are normal power factor and labeled 'For Residential Use Only'

See page 1-47 for Wiring Diagrams

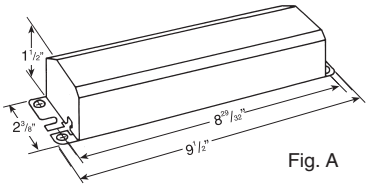


Fig. A

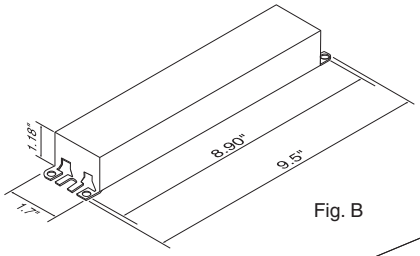


Fig. B

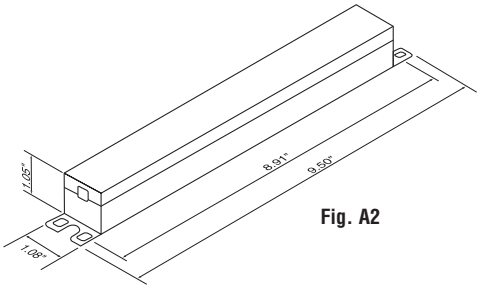


Fig. A2

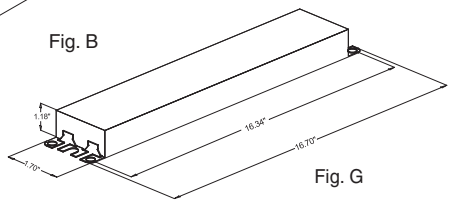


Fig. G

Refer to pages 8-24 to 8-30 for lead lengths and shipping data