## **Ordering Information**

#### How to Order

Philips Lighting 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.

#### Electronic Ballast Part Number Breakdown

CFL Mounting/Connector Options     BLS = Bottom leads with mounting studs     BS = Bottom mounting studs with single entry color coded connector:     EL = Engl finadity studs with single entry color coded connector:     DE Length mounting fact with SmartHater® dual entry color coded connector:     QS = QuikStart     Linear Fluorescent: Mounting/Connector Options     2LS = 2 Level® Structure     DE Length mounting fact with SmartHater® dual entry color coded connector:     QS = QuikStart     Linear Fluorescent: Mounting/Connector Options     2LS = 2 Level® Structure     DE Length mounting fact with SmartHater® dual entry color coded connector:     QS = QuikStart     Linear Fluorescent: Can Description     HI = Hybrid metal / plastic case, size 1     MI = Metal case, size 3     MI = Metal case, size 4     MI = Metal case, size 5     Linear Fluorescent: Can Description     90 = 50°C maximum case temperature rating     91 = Can     MI = High light courput     L = Y can     LW = Low watt     MG = Micro can     N = NY can     S = Series     T = Fright Base     PS = Prorallel     PS = Programmed Sart Para	CF -	-	2	S	26	_	HI	_	LD	
BL = Bottom leads     BL = Bottom leads with single entry color coded connector:     LL = End leads     LL = End leads     LL = End leads     LL = End leads     LL = Leagt mounting Studies with single entry color coded connector:     Q = QuikStart     Linear Fluorescent Mounting/Connector Options     215 = 2 Leagt mounting Studies with single entry color coded connector:     Q = QuikStart     Linear Fluorescent Mounting/Connector Options     215 = 2 Leagt Switching     SD = Step Dimming     CEL Can Description     H1 = Hybrid netal (Jpastic case, size 1     H1 = Metal case, size 5     M3 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C natimum case temperature rating     A = A' can     D = D' can     G = G' can     HL = Hybrid netal (Jpito tougut     L = 'L' can     Lump Watts (Primary lamp)     Wring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PS = Programmed Start Parallel     Q = Quid CFL, series     TS = Long twin tube, parallel     Maximum Nu			_							
BLS = Bottom leads with mounting studs BLS = Bottom leads with single entry color coded connector: EL = End leads LD = Length mounting Studs with single entry color coded connector: EL = End leads LD = Length mounting/Connector Options 2LS = 2 Level Switching SD = Step Dimming CFL Can Description HI = Hybrid metal / plastic case, size 1 H2 = Metal case, size 2 H2 = Metal case, size 3 H3 = Metal case, size 4 H3 = Metal case, size 4 H4 = Hybrid metal / plastic case, size 1 H2 = Metal case, size 6 H1 = Hybrid metal / plastic case, size 1 H2 = Metal case, size 6 H1 = Hybrid metal / plastic case, size 1 H2 = Metal case, size 6 H1 = Hybrid metal case, size 7 H2 = Metal case, size 8 H6 = Metal case, size 6 H1 = Hybrid metal case, size 9 H1 = Hybrid metal case, size 9 H2 = Metal case, size 6 H2 = Moreal case, size 9 H2 = Metal case, size 6 H2 = Matk for the second for the									CFL Mou	nting/Connector Options
BS = Bottom mounting study with single entry color coded connector: E = Find leads LD = Length mounting feet with SmartMate® dual entry color coded connect QS = QuisStart Linear Fluorescent Mounting/Connector Options 2LS = 2 Level Switching SD = Step Dimming CFL Can Description HI = Hybrid metal / plastic case, size 1 M1 = Metal case, size 2 M2 = Metal case, size 2 M3 = Metal case, size 4 M5 = Metal case, size 6 Linear Fluorescent Can Description 90C = 90°C maximum case temperature rating A = A' can D = D' can G = G' can UW = Low watt M1 = High light cotput L = T' can Lamp Watts (Primary lamp) Wiring Configuration D = 2D, series T = Triple CFL, series S = Series T = Triple CFL, series S = Series T = Triple CFL, series T = Long twin tube, parallel Maximum Number of Lamps Family Name C = Compact Fluorescent CN = Centium D = ROVR DL = ROVR B = AmbiStar C = Opanium UV = PureVolt ZT = Mark 7° 0.10V										
EL = End tada     Linear Fluorescent Mounting/Connector Options     215 = 2 Length mounting feet with SmartMate* dual entry color coded comec     QS = QuilsStart     Linear Fluorescent Mounting/Connector Options     215 = 2 Length mounting feet with SmartMate* dual entry color coded comec     QS = Step Dimming     SD = Step Dimming     CFL Can Description     H1 = Hybrid metal / plastic case, size 1     H1 = Hybrid metal / plastic case, size 1     H2 = Metal case, size 3     M4 = Metal case, size 4     M5 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C Chasimum case temperature rating     A = A' can     D = D' can     G = G' can     HL = High light output     L = 'L' can     Lump Watts (Primary lamp)     Wiring Configuration     D = 2D, series     T = Tr Can     M5 = Metal case, size 1     M5 = Metal case, size 1     M5 = Motified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Qual CFL, series     T = T- Fie Long twin tube, parallel										
QS = QuikStart     Linear Fluorescent Mounting/Connector Options     2LS = 2 Level Switching     SD = Step Dimming     SD = Step Dimming     SD = Metal Case, size 1     M1 = Hybrid metal / plastic case, size 1     M1 = Hybrid metal / plastic case, size 1     M2 = Metal case, size 3     M4 = Metal case, size 3     M4 = Metal case, size 5     M6 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 29°C maximum case temperature rating     A = 'A' can     Q = 'O' can     HL = High light cutput     L = 'L' can     Linear Fluorescent Can Description     90C = 29°C maximum case temperature rating     A = 'A' can     Q = Quic Chi, series     T = 'T Can     Lamp Watts (Primary lamp)     Wring Configuration     Q = Quad Chi, series     T = Series     T = Series     T = Long twin tube, series     T = Long twin tube, parallel     Q = Quad Chi, series     T = Long twin tube, parallel     Maximum Number of Lamps     Maximum Number of Lamps <									EL = End	leads
ZLS = 2 Level Switching     SD = Step Dimming     SD = Step Dimming     CFL Can Description     H1 = Hybrid metal / plastic case, size 1     H1 = Metal case, size 1     M2 = Metal case, size 1     M3 = Metal case, size 3     M4 = Metal case, size 4     M5 = Metal case, size 5     M6 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = 'A' can     D = 'D' can     HL = High light output     L = 'L' can     LW = Low watt     MC = Micro can     N = 'N' can     SC = Smail can     T = T Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Sart Parallel     Q = Quad CFL, series     T = Triple CFL, series     T = Togo twin tube, parallel     Maximum Number of Lamps     Panily Name     CF = Compact Fluorescent CN = Centium     DA = ROVR     E = AmbiSar<										
ZLS = 2 Level Switching     SD = Step Dimming     SD = Step Dimming     CFL Can Description     H1 = Hybrid metal / plastic case, size 1     H1 = Metal case, size 1     M2 = Metal case, size 1     M3 = Metal case, size 3     M4 = Metal case, size 4     M5 = Metal case, size 5     M6 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = 'A' can     D = 'D' can     HL = High light output     L = 'L' can     LW = Low watt     MC = Micro can     N = 'N' can     SC = Smail can     T = T Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Sart Parallel     Q = Quad CFL, series     T = Triple CFL, series     T = Togo twin tube, parallel     Maximum Number of Lamps     Panily Name     CF = Compact Fluorescent CN = Centium     DA = ROVR     E = AmbiSar<									l inear Flu	iorescent Mounting/Connector Options
CFL Can Description     H1 = Hybrid metal / plattic case, size 1     M2 = Metal case, size 3     M2 = Metal case, size 3     M4 = Metal case, size 6     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = A' can     D = D' can     G = Grad     HL = High light output     L = V' can     SC = Small can     T = 'T Can     M2 = Do series     M = Modified parallel**     P = Paralle     PS = Programmed Sart Parallel     Q = Qud CFL, series     T = Triple CFL, series     TT = Long twin tube, series     TTP = Avork     M2 = Avokisar   Li = Avokisar     M2 = Avo									2LS = 2 L	evel Switching
Hi = Hybrid metal / plastic case, size 1     Mi = Metal case, size 1     M2 = Metal case, size 2     M3 = Metal case, size 3     M4 = Metal case, size 4     M5 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = A' can     D = D' can     G = 'G' can     HI = High light output     L = 1' can     LW = Low watt     MC = Mitro can     N = 'N' can     SC = Small can     T = 'T Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     T = Triple CFL series     T = Long twin tube, parallel     Maximum Number of Lamps     Family Name     CF = Compact Fluorescent   CN = Centium     DA = ROVR   EB = AmbiStar     EB = AmbiStar   EB = AmbiStar     CF = Oup									SD = Ste	p Dimming
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MI = Meal case, size 1     M2 = Meal case, size 3     M4 = Meal case, size 4     M5 = Meal case, size 4     M6 = Meal case, size 5     M6 = Meal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = A' can     D = D' can     G = 'G' can     H1 = High light output     L = 'L' can     L' can     SC = Small can     T = 'T Can     M3 = N' can     SC = Small can     T = 'T Can     M4 = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     S = Series     T = Triple CFL, series     TTS = Long twin tube, series     TTS = Long twin tube, series     TTP = Long twin tube, parallel     Maximum Number of Lamps     PA = AvDKar     CF = Compact Fluorescent   CN = Centium     DA = ROVR   DL = ROVR     EB = Amb/Star   ELB = Amb/Star     D = POVR   DL = ROVR     EB = Amb/Star   ELB = Amb/Star     D = OLOV<										
M3 = Metal case, size 3     M4 = Metal case, size 4     M5 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = 'A' can     D = D' can     G = 'G' can     HL = High light output     L = 'L' can     M = Moleco can     N = No'L can     C = Sorall can     N = No'L can     S = Small can     T = T' Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     S = Series     T = Triple CFL, series     TS = Long twin tube, series     TTP = Long twin tube, series     TTP = Long twin tube, series     TE = Compact Fluorescent   CN = Centium     DA = ROVR   EL = ROVR     EB = AmbiStar   ELB = AmbiStar     EZ = Mark 10° Powerline   MB = AmbiStar     EZ = Mark 10° Powerline   MB = AmbiStar     EZ = Mark 7" 0-10V								MI =	Metal cas	e, size l
M4 = Metal case, size 4     M5 = Metal case, size 5     M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = 90°C maximum case temperature rating     A = 'A' can     D = D' can     G = 'G' can     HL = High light output     L = 'L' can     W = Low watt     MC = Micro can     N = 'N' can     SC = Small can     T = 'T Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     T = Triple CFL, series     TTS = Long twin tube, series     TTP = Long twin tube, parallel     Maximum Number of Lamps     Earnily Name     CF = Compact Fluorescent CN = Centium     DA = ROVR   DL = ROVR     EB = AmbiStar   ELB = AmbiStar     DA = ROVR   MB = AmbiStar     CP = Optanium   UV = PureVolt     ZT = Mark 7" 0-10V   V										
M6 = Metal case, size 6     Linear Fluorescent Can Description     90C = a90°C maximum case temperature rating     0 = D° can     L = T' can     LW = Low watt     MG = Micro can     N = T° can     SC = Small can     T = T° Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     T = Triple CFL, series     TT = Long twin tube, series     TT = Long twin tube, parallel     Maximum Number of Lamps     Earniby Name     CF = Compact Fluorescent   CN = Centium     DA = ROVR   DL = ROVR     EB = AmbiStar   EU     D° = Optanim   UV = PureVolt <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>M4 =</td> <td>Metal cas</td> <td>e, size 4</td>								M4 =	Metal cas	e, size 4
90C = 90°C maximum case temperature rating     A = 'A' can     D = 'D' can     G = 'G' can     HL = High light output     L = 'L' can     W = Low watt     MC = Micro can     N = 'N' can     SC = Small can     T = 'T' Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel**     P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     T = Triple CFL, series     T = Triple CFL, series     TTS = Long twin tube, sariale!     Maximum Number of Lamps     Family Name     CF = Compact Fluorescent   CN = Centium     DA = ROVR   DL = ROVR     EB = AmbiStar   ELB = AmbiStar     E2 = Mark 10° Powerline   MB = AmbiStar     CP = Optanium   UV = PureVolt     ZT = Mark 7° 0-10V   H								M6 =	Metal cas Metal cas	e, size 5 e, size 6
A = 'A' can     D = 'D' can     G = 'G' can     HL = High light output     L = 'L' can     LW = Low watt     MC = Micro can     N = N' can     SC = Small can     T = 'T' Can     Lamp Watts (Primary lamp)     Wiring Configuration     D = 2D, series     M = Modified parallel <sup>10**</sup> P = Parallel     PSP = Programmed Start Parallel     Q = Quad CFL, series     S = Series     T = Triple CFL, series     T = Triple CFL, series     TTP = Long twin tube, series     TTP = Long twin tube, series     TTP = Long twin tube, parallel     Maximum Number of Lamps     Earnily Name     CF = Compact Fluorescent   CN = Centium     DA = ROVR   DL = ROVR     B = AmbiStar   EL = AmbiStar     CP = Optanium   UV = PureVolt     ZT = Mark 7* 0-10V   H										
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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   CN = Centium     DA = ROVR   DL = ROVR     EB = AmbiStar   ELB = AmbiStar     E2 = Mark 10 <sup>6</sup> Powerline   MB = AmbiStar     OP = Optanium   UV = PureVolt     ZT = Mark 7 <sup>e</sup> 0-10V   UV = PureVolt								t Par	allel	
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TTP = Long twin tube, parallel     Maximum Number of Lamps     Family Name     CF = Compact Fluorescent   CN = Centium     DA = ROVR   DL = ROVR     EB = AmbiStar   ELB = AmbiStar     EZ = Mark 10 <sup>6</sup> Powerline   MB = AmbiStar     OP = Optanium   UV = PureVolt     ZT = Mark 7 <sup>6</sup> 0-10V   UV								eries		
Family Name CF = Compact Fluorescent CN = Centium DA = ROVR DL = ROVR EB = AmbiStar ELB = AmbiStar EZ = Mark 10 <sup>e</sup> Powerline MB = AmbiStar OP = Optanium UV = PureVolt ZT = Mark 7 <sup>e</sup> 0-10V						-		barall	el	
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EZ = Mark 10° Powerline MB = AmbiStar OP = Optanium UV = PureVolt ZT = Mark 7° 0-10V										
ZT = Mark 7° 0-10V	ΕZ	= 1	Mark	10® Pov	werline	1	1B = Amb	iStar		
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Corporate Offices (800) 322-2086

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

Visit our web site at www.philips.com/advance

- 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 Philips Advance electronic ballast which best matches the requirements of your application. The technical specifications in this catalog (located on pages 9-7 to 9-14) will be useful in obtaining bids from electrical contractors.
- Contact your local Philips Lighting distributor. You will find them to be a helpful supplier of both products and information.

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

\* 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.

### **Remote, Tandem or Through Wiring Distances**

#### Remote Mounting of Electronic Ballasts

Unlike magnetic ballasts, electronic ballasts are limited in remote mounting distance from the lamps they operate. The factors limiting the distance from the electronic ballasts to the lamps are: open circuit voltage as opposed to operating voltage, operating frequency and the lamp operating current.

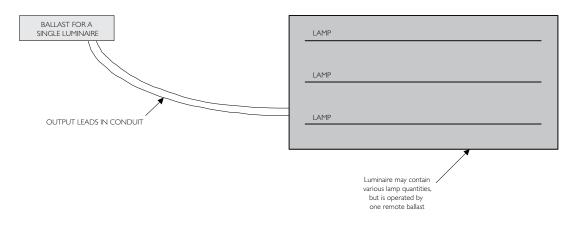
As the distance from the high frequency electronic ballasts to the lamp increases, so does the capacitance across the lead wire to the lamp. This increase in capacitance is important for two reasons. First, if the capacitance is too high, there will not be sufficient open circuit voltage across the lamp for proper lamp ignition.

Second, if the lamp is capable of ignition, the increased capacitance will cause a loss in the current to the lamp. The added capacitance creates what is known as a "shunt" around the lamp; in other words the current will leak from the red wire (or blue) to the yellow, completely bypassing the lamp. The current through the lamp will be reduced, resulting in lower lumens, with the possibility that the lamp will not be capable of sustained operation.

The Mark 7 0-10V, Mark 10 Powerline, PowerSpec HDF, and ROVR dimming ballasts are particularly sensitive to high capacitance associated with long lead wires. The dimming ballast is capable of very low dim levels because constant filament heat is provided to the lamp. If there is any loss of current, the filament current will be reduced and the lamp will begin to flicker, or it will be completely extinguished. It is also important that the red and blue leads not be twisted together. Twisting the red and blue leads will add capacitance, causing the lamp to flicker at the lower dimming levels.

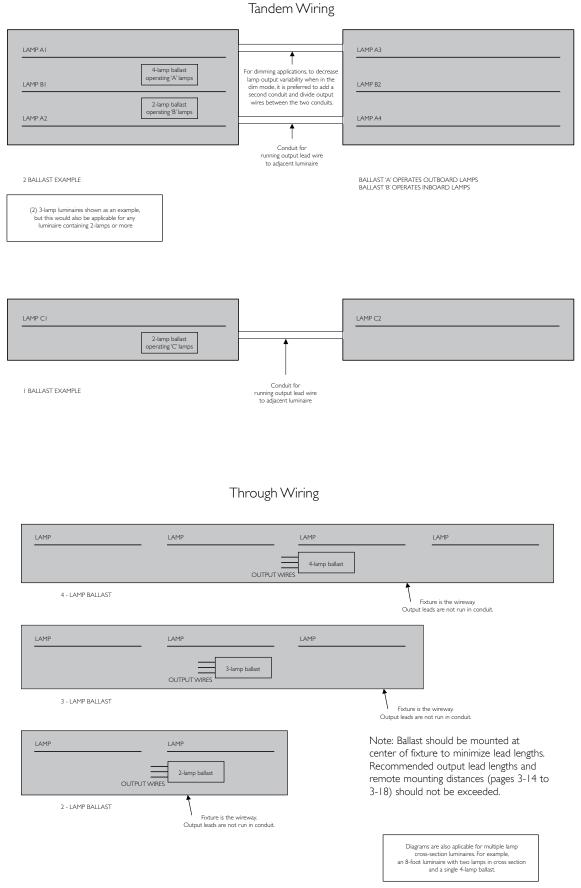
Open circuit voltage is a function of input voltage in some ballast designs, particularly for dedicated voltage ballasts. Cold temperature starting is a function of open circuit voltage. The lead length recommendations in the following table are for normal rated input voltages (120V, 277V, 347V) at 25°C ambient temperature.

In summary, there is a wide range and varying types of electronic ballast architectures that are capable of being remote mounted for an equally wide range of distances. If you are uncertain of the remote mounting restrictions for a particular electronic ballast please consult Philips Lighting Customer Care (Warranty/Technical Service)



Remote Wiring

Note: Recommended output lead lengths and remote mounting distances should not be exceeded.



### **Philips Fluorescent Dimming Ballast Application Usage**

- While installing a Philips fluorescent dimming ballast in a fixture, care should be taken that the output lead lengths do not exceed the specified maximum permissible limits. These limits are specified in the Remote, Tandem or Through Wiring Distance table on the next page.
- If excessive output lead lengths (outside the specification) are maintained for a Philips fluorescent dimming ballast then the ballast may behave undesirably or abnormally at low dim levels.
- If output lead wire lengths are not specified for linear Philips fluorescent dimming ballasts, then it implies that the output lead length should not be extended any more than what was provided with the dimming ballast.
- For Philips CFL dimming ballasts, the output lead length between the ballast and the lamp socket should be maintained as short as possible. It is recommended that this lead length should not exceed 24".
- Before using a Philips fluorescent dimming ballast in remote mounting applications or for applications with emergency power supplies, please refer to the Remote, Tandem or Through Wiring Distance table on the next page and verify whether the ballast supports remote mounting application.
- If the Philips fluorescent dimming ballast supports remote mounting, then
  - o For non emergency application, the remote mounting distance should not exceed the specified limit.
  - For applications with emergency power supplies, the total output lead wire length measured from the fluorescent dimming ballast to the lamps sockets (including the emergency ballast wiring) should not exceed the specified limit of the Remote, Tandem or Through Wiring Distance table on the next page.
- If the Philips fluorescent dimming ballast does not support remote mounting, then
  - o For non emergency application, the output lead length should not be extended any further than what was provided with the dimming ballast.
  - For applications with emergency power supplies, the total output lead wire length measured from the dimming ballast to the lamp sockets (including the emergency ballast wiring) should not exceed the lead length that was provided with the fluorescent dimming ballast. If maintaining the lead lengths within the specification is not possible then it is recommended to use a Philips fluorescent dimming ballast that supports remote mounting. The example below can be used as a reference for an appropriate application usage of a Philips fluorescent dimming ballast.

#### Example:

A luminaire contains (1) IZT3S32SC Philips Mark 7 0-10V fluorescent dimming ballast and (1) emergency ballast in a three lamp, single lamp cross-section, 12' fixture. This application will have issues because of the excessive wire lengths that result in capacitive losses which may cause short lamp life, uneven lamp performance, or even inability to ignite the lamp(s). In such an application it is preferred to use one of the following approaches:

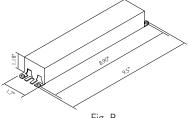
- \* One IZT2S32SC ballast to control two lamps (can be remote mounted up to 6') and one IZT132SC ballast in conjunction with the emergency ballast to control one lamp. The total output lead length measured from the dimming ballast to the lamps sockets (including the emergency ballast wiring) should be less than 6'.
- \* One IZTI32SC ballast to control one lamp (can be remote mounted up to 6') and one IZT2S32SC ballast in conjunction with emergency ballast to control two lamps. The total output lead length measured from the dimming ballast to the lamps sockets (including the emergency ballast wiring) should be less than 6' (This approach will provide 2 lamps to be turned ON during emergency).
- For additional application support, contact technical support at Philips Lighting.

## ELECTRONIC FLUORESCENT CONTROLLABLE BALLASTS For 17 - 32W T8 Lamps HIGH POWER FACTOR SOUND RATED A

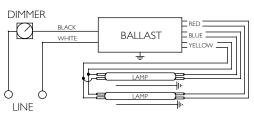
### Mark 10 Powerline Electronic Dimming Ballast

				Ballast Family		Ma	x/Min	Full Light Output		Min.			
	No. of Lamps	Input Volts	Lamp Starting Method		Catalog Number	Input Power ANSI (Watts)	Ballast Factor	THD %	Line Current (Amps)	Starting Temp. (°F/°C)	Dim.	Wiring Dia.	
	F17T8, FBO16T8 (17W)												
		120		Mark 10 Powerline	REZ-132-SC	24/7	I.05/0.05	10	0.20	50/10	В	152	
	I	277			VEZ-132-SC				0.09				
	2	120	PS		REZ-2S32-SC	38/13			0.32			153	
	Z	277	PS .		VEZ-2S32-SC				0.14				
	3	120			REZ-3S32-SC	56/18			0.47			155	
	3	277			VEZ-3S32-SC				0.21				
	F25T8, FBO24T8 (25W)												
		120	PS	Mark 10 Powerline	REZ-132-SC	30/7	1.05/0.05	10	0.26	50/10	В	152	
	1	277			VEZ-132-SC				0.11				
	2	120			REZ-2S32-SC	55/13			0.46			153	
	2	277			VEZ-2S32-SC				0.20				
	2	120			REZ-3S32-SC	79/19			0.66			155	
	3	277			VEZ-3S32-SC				0.29				
	F32T8, FBO31T8, F32T8/U6 (32W)												
NEMA Premium		120		Mark 10 Powerline	REZ-132-SC	0.5.40	1.00/0.05	10	0.29	50/10	В	152	
Premium	1	277			VEZ-132-SC	35/9			0.13				
NEMA Premium	_	120			REZ-2S32-SC	10/15			0.57			153	
Premium	2	277	PS		VEZ-2S32-SC	68/15			0.25				
NEMA	2	120			REZ-3S32-SC	0.4/20	0.97/0.05		0.80			155	
Premium	3	277	]		VEZ-3S32-SC	96/20			0.35				

Some lamp manufacturers recommend burning in new lamps 100 hours at full light output before dimming. Consult lamp manufacturers



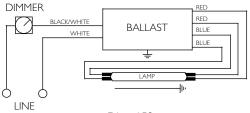




Diag. 153

### ONLY USE RAPID-START SOCKETS

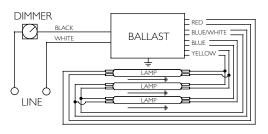
Refer to pages 3-13 to 3-18 for information on remote/tandem wiring and lead length extension Refer to pages 4-29 to 4-30 for compatible Mark 10 Powerline controls Refer to pages 9-23 to 9-27 for lead lengths and shipping data



RoHS

SP

Diag. 152



Diag. 155