

CCT (K)	Product model #	Bare Lamp	Sys	tem Watta	Initial Lumens			
001 (K)	Floudet model #	Wattage	LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)
	LED12478B	11.8	12.3	14.5	19.5	1500	1750	2260
3500K	LED12478A	11.8	12.3	14.5	19.5	1500	1750	2260
	LED12478	11.5	12.5	14.5	24.1	1620	1800	2330
	LED11662C	11.8	12.3	14.5	19.5	1550	1800	2320
	LED11662B	11.5	12.3	14.5	19.5	1550	1800	2320
4000K	LED11662A	11.5	12.5	14.5	24.1	1620	1800	2330
	LED11662	14	14.8	17.2	22.4	1560	1800	2280
	LED12758	15	15.8	17.5	24.1	1980	2200	2840
	LED11663C	11.8	12.3	14.5	19.5	1500	1800	2320
5000K	LED11663B	11.8	12.3	14.5	19.5	1500	1800	2320
	LED11663A	11.5	12.5	14.5	24.1	1620	1800	2330
	LED11663	14	14.8	17.2	22.4	1560	1800	2280
	LED12644	15	15.8	17.5	24.1	1980	2200	2840

>	Compatibile
Х	Not Compatibile

DAMAN																
DOC ORDINAL PROSECTION OF STATE DOC ORDINAL DOC OR	Ballast Brand	Ballast Part Number	Number of	LED12478B (Active)	LED12478A	LED12478	LED11662C (Active)	LED11662B	LED11662A	LED11662	LED11663C (Active)	LED11663B	LED11663A		LED12644	LED12758 (ACTIVE)
SECO CIDADA	DAMAR	1688B	2		-	X	-	_	X	X	7	-	X	X	X	Х
EDGO Cident	EIKO Global	PM-3X32T8-UNV-IS-L	3	7	V	X	V	1	X	X	-	1	X	X	1	1
ERCO Global				√	✓	Х	✓	✓	Х	Х	✓	✓	Х	Х	X	Х
ERCO Librates	EIKO Global	PM-4X32T8-UNV-IS-L	4	√	\	Х	\	\	Х	Х	\	\	Х	Х		^
SROD Clobal						Х			Х	Х			Х	Х		✓
SSPIN VIZZANOPIE									•				•	•		✓
SERIES VEZIDATIONES Z													✓			✓
FARISH WAS FROME WINSEQUIPT'S S										X			Х			✓
Fisher Work Horse WRISSEADWY 18 B					•	Х			Х	Х			Х	Х		✓
Filipide Filipide						-			-	-				-		V
FINDON		WHSG4-UNV-T8-IS							•	•			√	•	•	
FISSON										<u> </u>			X		<u> X</u>	
FISSION									X	- 3			- X		<u> </u>	
FISSION					•					- 3			- \		- Č	
FISION FREZEME 4				•		-			-	-	_		-	- 0 -	-	- 0 -
General Electric GESZAMAN ULTRA 2						 			 	 			 	 	-	
General Electric GE-220MA-NULTIRA 2							- *					•	- ^-			
General Electric GE-232MAX-PULITRA							-									1
General Electric GE-232MAX-PULTRA 2							 					 				
General Electric GE132MAX-ON 1				- ^-	<u> </u>		 ^			_		 ^				
General Electric GE122MAX-CN N					-							- *				
General Electric GEZZMAX_CON 2					 *							•			v	
General Electric					^										-	
General Electric GE132MANE/ULTRA												•			-	
General Electric GE 1234AN-FULITRA 1					 			 				 			-	-
General Electric GE132MAXP-NULTRA 1					· •			-		-		- 0-		•	- 	-
General Electric GE323MAYE-MAY TAX					 			-		,		- 0-				
General Electric GE232MVFDRES 2 X X Y X X Y Y Y Y Y						•				•		 		•		
General Electric GE2221AAR_LUTRA 2 X X V X X V V X X V V					 			-			•	+ 0				
General Electric GE322MAN-VILTRA 2 X X V V V V V V V V					 			-				+ 0			_	
General Electric GE323MAV on 3		0			 		-	-				+ 0				
General Electric GE332MAX-GN 3				^-	^		- ^-	,			_	- ^-	•	•	->-	
General Electric GE432/MAY-M42T					· ·							,			,	
General Electric GE432M-N-N-2T					_		·					v	•			
General Electric GE32MAKN-NULTRA				- \$-	- ÷		₩	 								
General Electric GE324M/PSPN 2 X X V X X V V X X V V				- \$-	- ÷		├	 								
General Electric GE332-MVPS-N 3 X X V X X V V X X V V				- \$-	- ÷		├	 			├					
General Electric GE432-MVPS-N 4				- \$-	- ÷		├	 			├					×
General Electric GE323MAYE-NV03								 							- ^-	
General Electric GE323MAXP-N/UTRA 2 X X V X X V V X X V V				Ŷ	Ŷ			Ŷ				Ŷ				
General Electric GE232MAXG-NUTRA 2				÷	Ŷ			Ŷ				- ŷ				-
General Electric GE323MAX-GN-DIVB 2						Y			Y	Ý			Y	Ÿ	Y	Ý
General Electric GE32MAX-W-DIVTRA 3				•		Ŷ			Ŷ	Ŷ			Ŷ	Ŷ	Ŷ	Ŷ
General Electric GE332MAX.PH.UTRA 3						Ŷ			Ŷ	Ŷ			Ŷ	Ŷ	Ŷ	
General Electric GE332MAX-PH/ULTRA 3						Ŷ			Ŷ	Ŷ		•	Ŷ	Ŷ	-	7
General Electric GE332MAXP-NVLITRA 3						Ŷ			Ŷ	Ŷ			Ŷ	Ÿ	¥	
General Electric GE32MAX90-V60 3			3			Ŷ			Ŷ	Ŷ			Ŷ	Ÿ	Ŷ	
General Electric GE432MAXPH-VIULTRA 4						Ŷ			Ŷ	Ŷ			X	Ŷ	Ŷ	Ŷ
General Electric GE432MAX90-S60 4						X	V		X	X		1	X	X	X	x
Halco Lighting			4	_	V	X	1	1	X	X		1	X	X		7
Halco Lighting				√	✓	X			X	X		-	X	X	Х	Х
Halco Lighting	Halco Lighting		2	Х	Х		Х	Х			Х	Х				7
Halco Lighting	Halco Lighting	E432IS/120/R/SL			X		X	X	_		X	x			Х	Х
Halco Lighting				X	X		X					x			>	\
Halco Lighting			3	-	✓	_	✓	V	_	1		✓		_		√
Halco Lighting			4	√	✓					4		-				1
Halco Lighting	Halco Lighting		2	√	√	Х	4	V	Х	Х	V	√	Х	Х	✓	V
Halco Lighting			2						X	X			Х		Х	Х
Hatch		EP332IS/L/MV/HE	3	-		Х	_ /	-	X	X	-	_ /	Х	X		V
HOWARD INDUSTRIES EPH2/32IS/MV/MC/HE 2						Х			Х	X			Х	Х		√
HOWARD INDUSTRIES EPH3/32IS/MV/MC/HE 3					✓	Х	✓		Х	Х	✓	✓	Х	Х	√	/
HOWARD INDUSTRIES EPH3/32IS/MV/MC/HE 3	HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	2	✓	✓	Х	✓	✓	Х	X	✓	✓	X	Х	√	/
Howard Industries	HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE		✓	✓	Х	✓	✓	Х	X	✓	✓	X	Х	Х	Х
Howard Industries	Howard Industries		4	Х	X	✓	Х	X	✓	✓	X	Х	✓	✓	Х	Х
Howard Industries	Howard Industries	EP3/32IS/MV/SC/HE	3	X	X		X	X				x			-	\
Howard Industries EPH2/32IS/MV/MC/HE 2 X X V X X V V V V V		EPL4/32IS/MV/MC/HE		V	•						•					/
Howard Industries		EPH2/321S/MV/MC/HE	2	X	X		X	X			X	x			-	/
Howard Industries EPL2/32IS/MV/MC/HE 2 √		E2/32IS-120MC	2		Х			Х	✓	1		X			Х	Х
Howard Industries EPL3/32IS/MV/SC/HE 3 4 7 7 7 7 7 7 7 7 7			2	√	✓	√	-	√	√	✓	✓	√	✓	✓	Х	Х
Howard Industries EP4/32IS/MV/MC/HE 4 X X √ X X √ ✓		EPL3/32IS/MV/SC/HE	3	√	✓	√	1	✓	√	✓	✓	√	✓	✓		✓
Howard Industries	Howard Industries	EP4/32IS/MV/MC/HE	4	X	X	✓	X	Х	✓	✓	X	X	✓	✓	√	√
		EP2/32IS/MV/MC/HE		-	✓	_	✓	V	_	1	_	√	_	-	Х	Х
	Howard Industries	EP3/32IS/MV/MC/HE	3	-	V	√	✓	V	V	V	V	1	V	1	√	V



Martin M	Ballast Brand	Ballast Part Number	Max Number of Lamps	LED12478B (Active)	LED12478A	LED12478	LED11662C (Active)	LED11662B	LED11662A	LED11662	LED11663C (Active)	LED11663B	LED11663A	LED11663	LED12644	LED12758 (ACTIVE)
	HIIAFENG	FNI-T8-32-P2SC-N	2	1	-	Y	1	,	Y	Y		-	Y	Y	Y	X
		KTEB-432RIS-1-TP-SL												/	x	X
Programs														<u> </u>		V
Section				•						X				X	•	√
Sections			2	X	Х	V	Х	Х	√	X		Х	√	X		Х
Segrecol							X			X	X	X		X		X
Marcine				X	X		X	X		X	X	X		X	Y	√ ¥
Executions				X	X		X	X		x	X	X		X	Ŷ	×
Empirica				X	X		Х	X		X	Х	X		X	X	X
Longon					X									X		X
Months					,									7		Ŷ
Mexico	Maxlite	SKEU324HE/SC		√	✓	√	✓	√		✓	-			√		V
Module																4
MASTER M				•	•		Y			_		•		'		V
Opens Open							7						X	X		7
Courts Options					Х	Х				Х				Х		Х
Column Sylvame				•	, X	\ <u> </u>				∖ <u>Ŷ</u>				- X		X
Owner Sylvenia					X	X				×				Ŷ		X
Descriptions	Osram Sylvania	QTP 2X32T8/UNV ISN-SC	2	V	✓	√	✓	√	✓	✓	~	✓	/		√	V
Dearn Sylvates	Osram Sylvania			•												X
Depth Systems																1
Descriptions																×
Desert Systems	Osram Sylvania	QHE 4X32T8/UNV ISN-SC	4	Х	Х	✓	Х	Х	√	√	Х	Х	/	>	\	✓
Descriptions					√							√				V
Description OPT XXXT RAW Sec. 1					X		- '					X				× X
Desam Sylvates							 x	 			- x	 x			- x	- x
Outstits Sylvenia		QTP 3X32T8/UNV ISN-SC	3		X		X	X		√	X	X				V
Detail Diplomis												✓.				V
Derain Sylvania					_							_				√
Ozeran Sylvania OHE XXXTRUMV PSH-MC 2																X
Outstime Sylvenia					1	1		V	4	✓	\	V				1
Daran Sylvania					•		✓						Х	X		V
Philips Advance				X	X		X .			_						1
Philipp-Advance				X	X	×	X	x		×				X	_	7
Philips Advance IOP-8792-LWN 2 X X V X X V V V Y Y Y Y Y Y Y	Philips-Advance	IOPA-2P32-N							>		✓	√	\			Х
Philips Advance				X	X						X	X				V
Philips-Advance IOPA-4922-N 4				X	- X						- X	- X		•	•	✓ X
Philips Advance IOP-4P32-WN				x	×		×	x			x	×		7		7
Philips Advance IOP-192+N				Х	Х		Х	Х			Х	X				✓
Philips-Advance ICN-1932N 1					X			X			- X	ı X			- 	√
Philips Advance IOPA-IP32-N 1					Ŷ			Ŷ				Ŷ			Ŷ	- 2 -
Philips-Advance REB-#932-SC 2			1		X							X			X	X
Philips-Advance				•	Х						•	X			Х	Х
Philips-Advance					X		,,,					X			X	X
Philips-Advance												Ŷ				Ŷ
Philips Advance	Philips-Advance	IOP-3PSP32-SC		1	✓	V		V	V	√	~	V	1	~		√
Philips Advance															√	✓
Philips ADVANCE															X	X
Philips ADVANCE																7
Philips ADVANCE ICN-3P32-N 3					✓	Х	/		Х	Х		√	Х	Х	Х	Χ
Philips ADVANCE IOP-4P32-HLSC					1	 	1		 	 X −		1	 X	- X -		-
Philips ADVANCE						- x			Ŷ	Ŷ			- x	Ŷ	Ŷ	Ŷ
Plusrite	Philips ADVANCE	ICN-4P32-N	4	\	√	X	✓	√		X	>	√		Х		√
Plusrite						X				X				X		X
Robertson																1
Sola								Х			>					X
Sunpark	Sola	E-758-F-232-SC	2	X	Х	✓	Х	Х	/	✓	Х	Х	/		X	Х
Sunpark 120-1/32IS HPF 1			2							X		√	X	X	√	✓
Sunpark			1							X		X	- X	<u> </u>	×	X
Sunpark																<i>•</i>
Sunpark	Sunpark	U-2/32ISE-LBF	2	√	\	✓	\	\	\	\	>	>	\	✓	-	✓
Sunpark 120-1/32 S 1																٧,
Sunpark 120-3/32IS MPF 3																X
Sunpark														7		Ŷ
Sunpark	Sunpark	U-4/32IS HPF	4	\	✓	✓	√	✓	V	✓	>	V	/	✓	√	✓
Sunpark																4
Sunpark														Y		X
Sunpark														Ŷ		<i>•</i>
Superior Life 70201 2	Sunpark	U-2/32PSE	2	√	✓	Х	√	√	Х	Х	>	√	Х	Х	Х	Х
TCP E3P32ISUNVE 3 X X V X X V <																X
TCP E4P32ISUNVHE 4 X X V X X V X X V X X V V X X V V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X V X X X V X							y Y				y y	Y Y				X
Universal Lighting Technologies B232IUNVHP-N 2 √ √ √ √ √ ✓ X Universal Lighting Technologies B232IUNVEL-A 2 X </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>x</td> <td>Ŷ</td> <td></td> <td></td> <td>x</td> <td>Ŷ</td> <td></td> <td></td> <td>X</td> <td>×</td>							x	Ŷ			x	Ŷ			X	×
	Universal Lighting Technologies	B232IUNVHP-N	2	√		✓	1		4	√			/	\		Х
					X _		N Z									٧,
Universal Lighting Technologies B233IUNVHE-A 2 X X X X X X X X X X X X X X X X X X							X									1
Universal Lighting Technologies B-322/UNVHEH-A 2																×



Ballast Brand	Ballast Part Number	Max Number of Lamps	LED12478B (Active)	LED12478A	LED12478	LED11662C (Active)	LED11662B	LED11662A	LED11662	LED11663C (Active)	LED11663B	LED11663A	LED11663	LED12644	LED12758 (ACTIVE)
Universal Lighting Technologies	B332IUNVHP-A	3	√	✓	✓	V	/	✓	✓	/	/	/	✓	√	✓
Universal Lighting Technologies	B432IUNVHP-A	4	>	>	\	/	>	>	>	\	\	>	~	>	✓
Universal Lighting Technologies	B232I120RES-A	2	×	X	\	Х	×	>	>	X	X	\	~	X	X
Universal Lighting Technologies	B432I120RES-A	4	>	>	\	1	>	>	>	~	\	\	~	X	X
Universal Lighting Technologies	B259IUNVHP-A	2	×	Х	\	Х	×	>	>	Х	X	,	>	X	Х
Universal Lighting Technologies	B132IUNVHP-N	1	>	Х	1	✓	×	>	>	\	X	,	\	Х	X
Universal Lighting Technologies	B432PUNVHE-A	4	X	Х	/	Х	×	>	>	Х	X	,	\	X	X
Universal Lighting Technologies	B232PUNVHE-B	2	>	>	1	✓	>	>	>	\	\	,	\	X	X
Universal Lighting Technologies	B332PUNVHE-A	3	X	Х	1	Х	×	>	>	Х	X	,	>	X	X
Universal/TRIAD	B232IUNVEL-N	2	\	<	Х	^	\	Х	X	<	^	Х	X	X	Х
Universal/TRIAD	B232IUNVHE-N	2	>	<	Х	<	\	Х	X	<	^	Х	X	X	Х
Universal/TRIAD	B232IUNVHE-A	2	\	/	Х	V	\	Х	Х	*	\	Х	Х	X	X
Universal/TRIAD	B332IUNVEL-A	3	\	V	Х	/	1	X	X	/	/	Х	X	Х	Х
Universal/TRIAD	B332IUNVHE-A	3	\	V	Х	✓	1	X	X	/	/	X	X	Х	Х
Universal/TRIAD	B432IUNVHE-A	4	\	V	Х	4	1	Х	Х	-	\	Х	Х	\	1
Philips-Advance	VEL-2P32-SC	2	1	X	Х	1	Х	Х	Х	1	Х	Х	Х	Х	Х