



## Product Specification

Document No.:

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model no. **PLT-50339**

### 1. DESCRIPTION:

LAMP TYPE:	Linear T8LED
LAMP CLASSIFIED:	Type A+B, Single&Double Ended, G5
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	/
WATTAGE:	12W
CCT:	3000K/3500K/4000K/5000K/6500K
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	5 YEARS



### 2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp
Plug and play or 120-277Vac input
UL (R/C and Classified) & DLC qualified
Full glass housing: no aging, no yellowing, no bending
Environmentally friendly: no mercury
5 Color temperature selectable

Suitable for dry and damp locations  
Suitable for open fixtures

### 3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25°C±1°C, RH≤65%, air free)

#### 3.1 Electrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Line voltage	V <sub>in</sub>	108	120/277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Lamp Rated Power	P	10.8	12.0	13.2	W	V <sub>in</sub> =120,277Vac
System Power	P	12.6	14.0	15.8	W	V <sub>in</sub> =120,277Vac
Power factor	PF	0.9	--	--	/	V <sub>in</sub> =120,277Vac
Total Harmonic Distortion	THD	--	20%	--	/	V <sub>in</sub> =120,277Vac meet DLC
Starting time	t	--	--	1	s	V <sub>in</sub> =120,277Vac
Flicker Percent	/	--	--	--	/	/
Dimming Type	/	Type A : Dependant on ballast Type B : Dimming Mate (Available via Special Order. Call 1-800-624-4488)				

#### 3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	θ 50%	--	210	--	°	IES
Flux <4000K	Φ	1530	1700	--	lm	DLC
Flux ≥4000K		1620	1800	--		
Lamp Efficacy <4000K	η	128.1	142	--	lm/W	
Lamp Efficacy ≥4000K		135.6	150	--		
System Efficacy <	η <sub>sys</sub>	116.4	121	--	lm/W	
System Efficacy ≥		116.4	129	--		

#### 3.3 Color Characteristics (refer to ANSI C78.377-2017)

##### Chromaticity coordinates

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
CENTER POINT	CCT=3000K	X=0.4339 Y=0.4033		/		
	CCT=3500K	X=0.4078 Y=0.3930				
	CCT=4000K	X=0.3818 Y=0.3797				
	CCT=5000K	X=0.3446 Y=0.3551				
	CCT=6500K	X=0.3123 Y=0.3283				

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	Ra	80	82	--	/	/
R9	R9	0	12	--		
Color tolerance	/	--	--	5	SDCM	3000K/6500K
	/	--	--	7	SDCM	3500K/4000K/5000K

### 4. LUMEN MAINTENANCE & LIFE

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Lumen Maintenance at 6000hrs	/	--	95.8%	--	/	/
Life	t	--	50000	--	Hrs	Ta=45C, air free



Warranty	/	--	5	--	Year	Ta=45C, air free
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**5. OPERATION TEMPERATURE & STORAGE TEMPERATURE**

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Ambient Temperature	T <sub>A</sub>	-20	--	45	°C	/
Storage Temperature	T <sub>st</sub>	-40	--	85		/

**6. COMPATIBILITY**

Compatible with select Instant Start ballasts (Type A), or operates directly off line voltage (Type B). See Ballast Compatibility list for full list of compatible ballasts.

**7. APPROBATION COMPLIANCE**

UL1993&UL1598C, FCC part 15 class A (BP) & FCC Part 18 Non-Consumer (DR), DLC 5.1, RoHS compliance

**8. DIMENSIONS**



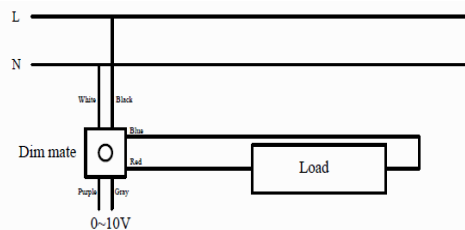
SYMBOL	MIN	TYP	MAX	UNIT
A	/	--	1199.4	mm
B	1204.0	--	1206.5	mm
C	1210.8	--	1213.6	mm
D	23.9	--	27.9	mm

**9. Connection & Wiring**

WIRING DIAGRAM	WIRING ILLUSTRATION
	/

**10. Dimming Operation**

0-10V dimming only when paired with Dimming Mate (available via Special Order). Call 1-800-624-4488 for more information. Refer to the wiring diagram below:



**11. DLC**

DLC #: PLTSPK136  
DLC Level: 5.1 Standard

Ballast Compatibility List								NC	Incompatible			P	PF<0.85		
											T	THD >30%			
											C	Compatible			
											/	Not tested			
											NA	Not applicable			
Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	Enclosed fixtures?	N-1 Lamp			N Lamp				
				Type	Value			DMM			DMM				
								120Vac	277Vac	347Vac	120Vac	277Vac	347Vac		
Philips-Advance	IOPA-2P32-N	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA		
Philips-Advance	IOP-2P32-N	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA		
Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC □	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC □	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC □	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA		
General Electric	GE-232-MV-N □	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
General Electric	GE232MAX-N/ULTRA □	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
Universal Lighting Technologies	B232IUNVHP-N	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
Universal Lighting Technologies	B232IUNVEL-A	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
Universal Lighting Technologies	B233IUNVHE-A	IS	2	N	0.87	Parallel	YES	C	C	NA	C	C	NA		
ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA		
Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	YES	C	C	NA	C	C	NA		
Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
General Electric	GE432MAX-L/ULTRA □	IS	4	L	0.78	Parallel	YES	C	C	NA	C	C	NA		
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC □	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC □	IS	4	L	0.78	Parallel	YES	C	C	NA	C	C	NA		
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA		
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
ProLume	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA		
Prolume	E432IS/120/R/SL	IS	4	N	0.87	Parallel	YES	P,T	NA	NA	P,T	NA	NA		
General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
Universal Lighting Technologies	B432IUNVHE L-A	IS	4	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
General Electric	GE132MAXP-N/ULTRA	IS	1	N	0.88	NA	YES	NA	NA	NA	C	C	NA		
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	NA	YES	NA	NA	NA	C	C	NA		
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	NA	YES	NA	NA	NA	C	C	NA		
ESPEN	VE232MVHIPL	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA		
Philips-Advance	REB-2P32-SC	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		
Halco	EP232IS/MV/HE	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA		

MAXLITE	SKEU322HEL/SC	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE332MV-N	IS	3	N	0.87	Parallel	YES	C	P	NA	C	P	NA
General Electric	GE332MAX-N/ULTRA	IS	3	N	0.88	Parallel	YES	C	P	NA	C	P	NA
General Electric	GE332MAX-L/ULTRA	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE332MAX-G-N	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B332IUNVHP-A	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
MAXLITE	SKEU324HE/SC	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
MAXLITE	SKEU323L/SC	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Halco	EP332IS/MV/HE	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B432IUNVHP-A	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
Halco	EP432IS/MV/HE	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
Halco	EP432IS/L/MV/HE	IS	4	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	REB-4P32-SC	IS	4	N	0.81	Parallel	YES	C	NA	NA	C	NA	NA
General Electric	GE432-120-RES	IS	4	N	0.83	Parallel	YES	C	NA	NA	C	NA	NA
General Electric	GE432MAX-N/ULTRA	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE432MAX347-N	IS	4	N	0.94	Parallel	YES	NA	NA	C	NA	NA	C
MAXLITE	MLEU322HEL/SC	IS	2	N	0.83	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B2321120RES-A	IS	2	N	0.88	Parallel	YES	C	NA	NA	C	NA	NA
HOWARD INDUSTRIES	E2/32IS-120MC	IS	2	N	0.85	Parallel	YES	P,T	NA	NA	P,T	NA	NA
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	IS	2	L	0.78	Parallel	YES	C	P,T	NA	C	C	NA
PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA
EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA
EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	IOP-2PSP32-N	PS	2	N	0.94	Parallel	No	C	C	NA	C	C	NA
Philips-Advance	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	No	C	C	NA	C	C	NA
Philips-Advance	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	No	C	C	NA	C	C	NA
Philips-Advance	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	No	C	C	NA	C	C	NA
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	PRS	4	L	0.71	Parallel	No	C	C	NA	C	C	NA
Universal Lighting Technologies	B432PUNVHE-A	PS	4	N	0.87	Parallel	No	C	C	NA	C	C	NA
General Electric	GE232-MVPS-N	PS	2	N	0.88	Parallel	No	C	C	NA	C	C	NA
Universal Lighting Technologies	B232PUNVHE-B	PS	2	N	0.88	Parallel	No	C	P	NA	C	C	NA
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PRS	2	N	0.88	Parallel	No	C	C	NA	C	C	NA
Universal Lighting Technologies	B332PUNVHE-A	PS	3	N	0.88	Parallel	No	C	C	NA	C	C	NA
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	No	C	C	NA	C	C	NA
General Electric	GE-232-MV-PS-N	PS	2	N	0.88	Parallel	No	C	C	NA	C	C	NA
SUNPARK	U-1/32PSE	PS	1	N	0.88	n.a	No	NA	NA	NA	C	C	NA

Superior Life	70211	?	4	N	0.87	Parallel	No	C	C	NA	C	C	NA
Philips-Advance	REZ-2S32-SC	DPS	2	N	/	Parallel	Yes	C	C	NA	C	C	NA
EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
PLUSRITE	BAF332IS/MV	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
TCP	E3P32ISUNVLE	IS	3	L	0.78	Parallel	YES	P	C	NA	P	C	NA
TCP	E4P32ISUNVE	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B132IUNVHP-N	IS	1	N	0.88	NA	YES	NA	NA	NA	C	C	NA
SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	YES	C	P	NA	C	C	NA
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA
HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
WORK HORSE	WHSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	YES	C	C	NA	C	C	NA
KEYSTONE	KTEB-432RIS-1-TP-SL	IS	4	N	0.80	Parallel	YES	P,T	NA	NA	P,T	NA	NA
SUNPARK	120-1/32IS HPF	IS	1	N	0.88	NA	YES	NA	NA	NA	C	NA	NA
Superior Life	70201	IS	2	N	0.88	Parallel	YES	C	T	NA	C	C	NA
SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA
SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
SUNPARK	120-3/32IS MPF	IS	3	N	0.88	Parallel	YES	C	NA	NA	C	NA	NA
SUNPARK	U-4/32IS HP,F	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
SUNPARK	U-4/32ISE-LBF	IS	4	L	0.77	Parallel	YES	C	C	NA	C	C	NA
EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	YES	C	C	NA	C	C	NA
KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA
KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE432MAXP-H/ULTRA □	IS	4	H	1.18	Parallel	NO	C	C	NA	C	C	NA
Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	VEL-2P32-SC	IS	2	N	0.88	Parallel	YES	NA	C	NA	NA	C	NA
Universal Lighting Technologies	B232IUNVHP-B	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA
OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	IS	2	L	0.78	Parallel	YES	NA	C	NA	NA	C	NA
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	IS	2	N	0.88	Parallel	YES	C	NA	NA	C	NA	NA
HATCH	HL232BIS/UV/HE/W	IS	2	N	0.9	Parallel	YES	C	C	NA	C	C	NA
HATCH	HL432BIS/UV/HE/W	IS	4	N	0.9	Parallel	YES	C	P	NA	C	C	NA
ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
TOPAZ	B432IUNVHEH/A-TPZ	IS	4	H	1.18	Parallel	NO	C	C	NA	C	C	NA
DAMAR	EL232-120/277HF(1688B)	IS	2	N	/	Parallel	NO	C	C	NA	C	C	NA
DAMAR	EL332-120/277HF(3654C)	IS	3	N	/	Parallel	NO	C	C	NA	C	C	NA

DAMAR	EL432-120/277HF(3093B)	IS	4	N	/	Parallel	NO	C	C	NA	C	C	NA
Plusrite	BAF232IS/MV/L	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Plusrite	BAF332IS/MV/L	IS	3	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Plusrite	BAF432IS/MV	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
Plusrite	BAF432IS/MV/L	IS	4	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	YES	C	C	NA	C	C	NA
Watran	DB-332N-MV-TP-HE	IS	3	N	0.87	Parallel	YES	C	C	NA	C	C	NA
Watran	DB-432N-MV-TP-HE	IS	4	N	0.87	Parallel	YES	C	C	NA	C	C	NA
Watran	DB-432L-MV-TP-HE	IS	4	L	0.77	Parallel	YES	C	C	NA	C	C	NA
Watran	DB-232N-MV-TP-HE (SC)	IS	2	N	0.87	Parallel	YES	C	C	NA	C	C	NA
ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA
ANTRON ELECTRONICS	A32T8MICLO	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	IOPA-4P32-SC	IS	4	N	0.92	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B432IUNVHE-A	IS	4	N	0.87	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE332MAXP-L/ULTRA	IS	3	L	0.77	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B232I277RH-A	IS	2	H	1.09	Parallel	NO	NA	P,T	NA	NA	C	NA
Pacific Fluorescent	EB-232IS-120-RES	IS	2	N	/	Parallel	YES	C	NA	NA	C	NA	NA
Philips-Advance	ICN-132-MC	IS	1	N	0.88	NA	YES	NA	NA	NA	C	C	NA
ESPEN	VE2P32MVHIPE	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA
General Electric	GE232MAX-G-N	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA
Cooper Lighting	CL-432ISUNV-R1-B	IS	4	N	0.88	Parallel	NO	C	C	NA	C	C	NA
Philips-Advance	ICN-3P32-SC	IS	3	N	0.89	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	VEL-3P32-SC	IS	3	N	0.88	Parallel	YES	C	C	NA	C	C	NA
SYLVANIA	QT 3x32/277 IS	IS	3	N	0.9	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	ICN-2P32-SC	IS	2	N	0.89	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	IOPA-2P32-LW-N	IS	2	L	/	Parallel	YES	C	C	NA	C	C	NA
SYLVANIA	QT 2x32277 IS-SC	IS	2			Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	IOP-1P32-LW-N	IS	1	L	0.77	NA	YES	NA	NA	NA	C	P	NA
Philips-Advance	IOP-1P32-SC	IS	1	N	0.87	NA	YES	NA	NA	NA	C	C	NA
Philips-Advance	IOP-2P32-LW-SC	IS	2	L	0.77	Parallel	YES	C	C	NA	C	C	NA
Universal Lighting Technologies	B132IUNVEL-A	IS	1	L	0.77	NA	YES	NA	NA	NA	C	C	NA
Universal Lighting Technologies	B432I347HE-A	IS	4	N	0.88	Parallel	YES	NA	NA	C	NA	NA	C
SYLVANIA	QT 4X32/347LP	IS	4	/	/	Parallel	YES	NA	NA	T	NA	NA	T
Philips-Advance	IOP-1P32-LW-SC	IS	1	L	0.77	NA	YES	NA	NA	NA	C	C	NA
KEYSTONE	KTEB-432-UV-IS-N-P-EMI	IS	4			Parallel	YES	C	C	NA	C	C	NA
ESPEN	VE4P32MVHIPE	IS	4			Parallel	YES	C	C	NA	C	C	NA
MOTOROLA	M2-IN-T8-GP-D-277	IS	2			Parallel	YES	NA	C	NA	NA	C	NA
FUSION	FB432347E-N	IS	4	N	0.88	Parallel	YES	NA	NA	C	NA	NA	C

FUSION	FB232347E-N	IS	2	N	0.88	Parallel	YES	NA	NA	C	NA	NA	C
FUSION	FB232MVE-N	IS	2	N	0.88	Parallel	YES	C	C	NA	C	C	NA
FUSION	FB432MVE-N	IS	4	N	0.88	Parallel	YES	C	C	NA	C	C	NA
Philips-Advance	REZ-3S32-SC	DPS	3	N	0.97	Series	Yes	NA	NA	NA	C	NA	NA