

DIRECT FIT VIVID™ LED T5 - SHATTERPROTECT (DFSP4, DF4)-HO
For more information:
 E: customerservice@turolight.com • T: 905-479-7093

Note : This Ballast List is provided for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the below listed Ballasts. Ballasts do not appear on the chart might still be compatible but have not been tested.

T5 Direct Fit Shatterprotect (22.5W)											
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP		2 LAMPS		3 LAMPS		4 LAMPS		
			120V	277V	120V	277V	120V	277V	120V	277V	
1	Advance	EL1/254A26	√	√	√	√	-	-	-	-	
2	Advance	ICN-2554	√	√	√	√	-	-	-	-	
3	Advance	ICN-2554-D	√	√	√	√	-	-	-	-	
4	Advance	ICN-2554-N	√	√	√	√	-	-	-	-	
5	Advance	ICN-2554-T	√	√	√	√	-	-	-	-	
6	Advance	ICN-2554-90C	√	√	√	√	-	-	-	-	
7	Advance	ICN-2554-90C-N	√	√	√	√	-	-	-	-	
8	Advance	IOP-2PSP54-SC	×	×	×	×	-	-	-	-	
9	Advance	IZT-2554-D	-	-	×	×	-	-	-	-	
10	Advance	ICN-4554-90C-2LS-G	-	-	√	√	√	√	√	√	
11	Advance	ICN-4554-2LS-H	√	√	√	√	√	√	√	√	
12	Advance	IOP-4PSP54-2LS-G	-	-	-	-	×	×	×	×	
13	GE	GE254MVPS-D	×	×	×	×	-	-	-	-	
14	GE	GE254MVPS-D-1	×	×	√	√	-	-	-	-	
15	GE	GE254MVPS90-A	×	×	×	×	-	-	-	-	
16	GE	GE454MVPS90-F	×	×	×	×	×	×	×	×	
17	Osram	QHE 2x54T5HO/UNV PSN	√	√	√	√	-	-	-	-	
18	Osram	QT 2x54/120PHO-DIM	-	-	×	-	-	-	-	-	
19	Osram	QTP 2x54T5HO/UNV PSN	√	√	√	√	-	-	-	-	
20	Osram	QTP 2x54T5HO/UNV PSN HT	√	√	√	√	-	-	-	-	
21	Osram	QTP 2x54T5HO/UNV PSN 80-SC	√	√	√	√	-	-	-	-	
22	Osram	QHE 4x54T5HO/UNV PSN HT SCL	√	√	√	√	√	√	√	√	
23	Osram	" QHE 4x54T5HO/ UNV PSN HT SCL [DOE]"	√	√	√	√	√	√	√	√	
24	Osram	QTP 4x54T5HO/UNV PSN HT W	√	√	√	√	√	√	√	√	
25	AC	AC-A2/54T5XS-W	√	√	√	√	-	-	-	-	
26	Damar	26947A	√	√	√	√	-	-	-	-	
27	Espen	VE454MVHRP	-	-	√	√	√	√	×	×	
28	Fulham	RHA-UNV-254-LT5	×	×	√	√	-	-	-	-	
29	Fulham	RHA-UNV-454-LT5	×	×	×	×	×	×	×	×	
30	Fulham	WH5-120-L	-	-	√	-	-	-	-	-	
31	Fusion	FB254T5MVE	√	√	√	√	-	-	-	-	
32	Fusion	FB454T5MVE	-	-	-	-	√	√	√	√	
33	Halco	EP254HO/PS/MV/MC	√	√	√	√	-	-	-	-	
34	Halco	EP454HO/PS/MV	-	-	√	√	√	√	√	√	
35	HEP	SI 254-58 UNI	-	-	×	×	-	-	-	-	
36	HEP	SD 254-58 UNI	-	-	×	×	-	-	-	-	
37	Huafeng	ENP-T5-54-S2MC	√	√	√	√	-	-	-	-	
38	Huafeng	ENP-T5-54-S4LC	-	-	×	×	×	×	×	×	
39	Liyuan	LYEB5812	×	×	×	×	-	-	-	-	
40	Luma	BLF254-U	√	√	√	√	-	-	-	-	
41	Maxlite	SKEU542HOP/SC	√	√	√	√	-	-	-	-	

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T5 Direct Fit Shatterprotect (22.5W)										
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP		2 LAMPS		3 LAMPs		4 LAMPS	
			120V	277V	120V	277V	120V	277V	120V	277V
42	Pacific	EB-254PRS-U	√	√	√	√	-	-	-	-
43	PQL	7019S	√	×	√	√	√	×	√	√
44	Roberson	PSL 254T5MV	×	×	×	×	-	-	-	-
45	Roberson	PSV 254T5IVCD	-	-	×	×	-	-	-	-
46	Roberson	PSB454T5MV	√	√	√	√	√	√	√	√
47	Sunpark	U-2/54T5HO	×	×	√	√	-	-	-	-
48	Symban	SLFE-254 T5HO-120MV-90C	√	√	√	√	-	-	-	-
49	Symban	SLFE-454 T5HO-120MV-90C	√	√	√	√	√	√	√	√
50	Standard	E154T5PS120-277/N/HO	√	√	-	-	-	-	-	-
51	Standard	E245T5HOPS120-277/N/XTRM	√	√	√	√	-	-	-	-
52	Standard	E454T5HOPS120-277/N/XTRM	√	√	√	√	√	√	√	√
53	Ultrasave	ER254120MHT-W	√	√	√	√	-	-	-	-
54	Ultrasave	ER454120MHT-W	-	-	-	-	√	√	√	√
55	Universal	B254PUNVHB-D	√	√	√	√	-	-	-	-
56	Universal	B254PUNV-D	√	√	√	√	-	-	-	-
57	Universal	B454PUNV-E	×	×	×	×	×	×	×	×
58	Universal	B454PUNVHB-E	×	×	×	×	×	×	×	×
59	SYLVANIA	QHE 4X54 T5HO/UNV PSN HT SCL	√	√	√	√	√	√	√	√
60	Keystone	KTEB-254HO-UV-PS/A	×	×	×	×	-	-	-	-
61	Keystone	KTEB-254HO-UV-PS-SL	√	×	√	√	-	-	-	-
62	Keystone	KTEB-454HO-UV-PS	√	√	√	√	√	√	√	√

SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP		2 LAMPS		3 LAMPs		4 LAMPS	
			347V	480V	347V	480V	347V	480V	347V	480V
1	Advance	HCN-2554-90C-WL	√	√	√	√	-	-	-	-
2	Advance	HCN-4554-2LS-H	-	-	-	-	×	×	×	×
3	Advance	HCN-4554-90C-2LS-G	√	√	√	√	√	√	√	√
4	GE	GE254PS347/480-F	×	×	×	×	-	-	-	-
5	GE	GE454PS347/480-F	×	×	×	×	×	×	×	×
6	Osram	QHE 2x54T5HO/347-480PSN HT	√	√	√	√	-	-	-	-
7	Osram	QHE 4x54T5HO/347-480PSN HT SCL	×	×	×	×	×	×	×	×
8	Osram	QTP 2x54T5HO/347-480 PSN HT	√	√	√	√	-	-	-	-
9	Fusion	FB254347T5E	√	-	√	-	-	-	-	-
10	Fusion	FB454347T5E	-	-	-	-	√	-	√	-
11	Lutron	EHDT554C347210	-	-	×	-	-	-	-	-
12	Symban	SLFE-254 T5HO-347V-90C	√	-	√	-	-	-	-	-
13	Symban	SLFE-454 T5HO-347V-90C	√	-	√	-	√	-	√	-
14	Standard	E254T5HOPS347/N/XTRM	√	-	√	-	-	-	-	-
15	Standard	E254T5PS347/N/HO/XTRM	×	-	√	-	-	-	-	-
16	Standard	E454T5HOPS347/N/XTRM	√	-	√	-	√	-	√	-
17	Ultrasave	ER254347HT-W	√	-	√	-	-	-	-	-
18	Ultrasave	ER454347HT-W	-	-	√	-	√	-	√	-

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T5 Direct Fit Shatterprotect (25W)				
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP	2 LAMPS
120-277V (1-2LAMPS)				
1	Advance	ICN-2S54	√	√
2	Advance	ICN-2S54-N	√	√
3	Advance	ICN-2S54-T	√	√
4	Osram	QHE 4x54T5HO/UNV PSN HT SCL [DOE]	√	√
5	Osram	QTP 4x54T5HO/UNV PSN HT W	√	√
6	Universal	B254PUNV-D	√	√
7	Universal	B454PUNVHB-E	√	√
8	Espen	VE454MVHRP	-	√
9	Fulham	RHA-UNV-254-LT5	√	√
10	Fulham	RHA-UNV-454-LT5	√	√
11	Fusion	FB254T5MVE	√	√
12	Fusion	FB454T5MVE	-	-
13	Halco	EP254HO/PS/MV/MC	√	√
14	Halco	EP454HO/PS/MV	-	√
15	HEP	SD 254-58 UNI	-	√
16	Huafeng	ENP-T5-54-S2MC	√	√
17	Huafeng	ENP-T5-54-S4LC	-	√
18	Liyuan	LYEBS812	-	√
19	Luma	BLF254-U	√	√
20	Maxlite	SKEU542HOP/SC	√	√
21	Pacific	EB-254PRS-U	√	√
22	Roberson	PSB454T5MV	√	√
23	Sunpark	U-2/54T5HO	√	√
24	Symban	SLFE-254 T5HO-120MV-90C	√	√
25	Symban	SLFE-454 T5HO-120MV-90C	√	√
26	Ultrasave	ER254120MHT-W	√	√
27	Keystone	KTEB-254HO-UV-PS/A	√	√
28	Keystone	KTEB-254HO-UV-PS-SL	-	√
29	Keystone	KTEB-454HO-UV-PS	√	√
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP	2 LAMPS
347V (1-2LAMPS)				
1	Advance	HCN-2S54-90C-WL	√	√
2	Advance	HCN-4554-90C-2LS-G	√	√
3	Symban	SLFE-254 T5HO-347V-90C	√	√
4	Symban	SLFE-454 T5HO-347V-90C	√	√
5	Ultrasave	ER254347MHT	√	√

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SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	3 LAMPS	4 LAMPS
120-277V (3-4LAMPS)				
1	Advance	ICN-4554-90C-2LS-G	√	√
2	Osram	QHE 4x54T5HO/UNV PSN HT SCL [DOE]	√	√
3	Osram	QTP 4x54T5HO/UNV PSN HT W	√	√
4	Universal	B454PUNVHB-E	√	√
5	Huafeng	ENP-T5-54-S4LC	-	√
6	Espen	VE454MVHRP	√	√
7	Fulham	RHA-UNV-454-LT5	√	-
8	Fusion	FB454T5MVE	√	√
9	Halco	EP454HO/PS/MV	√	√
10	Roberson	PSB454T5MV	√	√
11	Symban	SLFE-454 T5HO-120MV-90C	√	-
12	Keystone	KTEB-454HO-UV-PS	√	√
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	3 LAMPS	4 LAMPS
347V (3-4LAMPS)				
1	Advance	HCN-4554-90C-2LS-G (REV A)	√	√
2	Osram	QHE 4x54T5HO/347-480PSN HT SCL	√	√
3	Fusion	FB454347T5E	√	√
4	Symban	SLFE-454 T5HO-347V-90C	√	√

T5 Direct Fit Shatterprotect (9W 2FT)				
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP	2 LAMPS
120-277V (1-2LAMPS)				
1	OSRAM	QHE 2X39-24T5/HO/UNV PSN	√	√
2	Philips	ICN-2524-N	√	√
3	Philips	ICN-2524-T	√	√
4	Philips	ICN-2539-T	√	√
5	Universal	B224PVNH-L	√	120V √
6	Universal	B239PUNV-D	120V √	√
7	GE	GE224MVPS-N	√	√
8	Roberstone	PSA239T5MV	√	√
9	PROLUME	EP239HO/PS/MV	√	√
10	FULHAM	RHA-UNV-224-LT5	√	√
11	Keystone	KTEB-139HO-1-TP	120V √	×
12	Keystone	KTEB-239HO-PS-SL	√	√
13	Keystone	KTEB-224HO-UV-PS-SL	n.a.	√

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T5 Direct Fit Shatterprotect (18W 3FT)				
SERIAL NUMBER	MANUFACTURER	MODEL NUMBER	1 LAMP	2 LAMPS
120-277V (1-2LAMPS)				
1	OSRAM	QHE 2*39-24TSHO/UNV PSN	√	√
2	OSRAM	QT-FITTS/8 1*18-39	√	√
3	Philips	ICN-2S39-T	√	√
4	Philips	ICN-2S24-N	√	√
5	Philips	ICN-2S24-T	√	√
6	Universal	B224PUNV-C	√	√
7	GE	GE224MVPS-N	√	√
8	PROLUME	EP239HO/PS/MV	√	√
9	ACCUSTart	B239PUNV-D	√	√
10	Robertson	PSA239T5MV	√	√
11	FULHAM	RHA-UNA-224LT5	√	√
12	HEP	SD 218-40 UNI	×	√
13	HEP	SI 218-40 UNI	√	√
14	Keystone	KTEB-139HO-I-TP	√	n.a.
15	Keystone	KTEB-224HO-UV-PS	√	√
16	Keystone	KTEB-239HO-UV-PS	√	√