

Save It Easy® Conversion Strategy and Energy Savings

Date **11/11/2010**

Ballast: Electromagnetic

T5 Lamps: Standard

This document sets out the Save It Easy® Product Code which must be used to convert the existing electromagnetic ballast fitting, the existing and replacement lamps, and the energy savings that should be achieved by the conversion. The 'Existing System' figures are based on the original design criteria for halophosphate lamps. If your system was designed for triphosphor lamps then we would recommend taking light output measurements before proceeding.

Existing System								Save It Easy® System								Energy Savings		
Existing Fitting		Existing Lamp						SIE Product Code	Conversion Strategy	Replacement Lamps						Per Lamp		
Tubes per Fitting	Nominal Tube Length	Lamp Type	Running Watts		Operating Hours	Initial Lumen Output	Designed Lumen Output			Lamp Type	Length	Running Watts		Operating Hours	Initial Lumen Output ¹	Designed Lumen Output	Watts	%
			Lamp	Ballast ³								Lamp	Ballast					
Four tube	600mm	T8	18	4.5	9000	1150	805	PRO-2-Q44	Match light output	T5	549mm	8.5	2.5	20000	868	816	11.5	51%
								PRO-2-D32	Maximise savings	T5	549mm	13.5	2.5	20000	810	761	14.5	64%
Single or Twin tube	600mm	T8	18	9	9000	1150	805	PRO-2-011	Match light output	T5	549mm	8.5	2.5	20000	868	816	16	59%
	900mm		30	11	9000	2175	1523	PRO-2-016	Match light output	T5	849mm	21	2.5	20000	2100	1974	17.5	43%
All	1200mm	T8	36	10	9000	2850	1995	PRO-4-024	Maximise savings	T5	1149mm	21	3	20000	2175	2045	22	48%
								PRO-4-028	Balance savings/light	T5	1149mm	24	4	20000	2486	2337	18	39%
All	1500mm	T8	58	13	9000	4600	3220	PRO-5-031	Maximise savings	T5	1449mm	27	4	20000	2816	2647	40	56%
								PRO-5-036	Balance savings/light	T5	1449mm	32	4	20000	3337	3137	35	49%
								PRO-5-039	Maximise light	T5	1449mm	35	4	20000	3650	3431	32	45%
All	1800mm	T8	70	14	9000	5550	3885	PRO-6-052	Match light output	T5	1449mm	48	4	20000	4900	4606	32	38%
All	2400mm	T12	85	25	12000	7900	5530	SET-240-070-T8A	Match light output	T8 ²	1800mm	70	7	15000	6300	5922	33	30%
		T12	100	35	12000	9100	6370										58	43%
		T12	125	50	12000	10550	7385										98	56%

¹Initial Lumen Output is adjusted for actual running power if lamp is underpowered

²Triphosphor lamp

³Ballast wattage assumes Class C Electromagnetic Ballast

lumen output for the lamps on the PRO-2-D32 are shown at 50% of actual because each lamp is replacing two existing T8 lamps.