

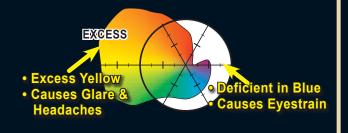








- DIM
- LOSES # 40% LIGHT OUTPUT
- DISTORTED COLOR



MAINTENANCE ENGINEERING'S





- \$ 54% BRIGHTER
- LESS THAN 5% LIGHT LOSS
- LIKE NATURAL SUNLIGHT



*53% ENERGY SAVED



20 YEAR ELECTRONICS



- ELECTRONICALLY MATCHED LAMP & BALLAST
- SOFT-START CIRCUITRY
- 20 YEAR LIGHT EMITTING PHOSPHORS (L.E.P.)

50,000-START TECHNOLOGY

RESIDENTIAL L.E.D.S

CAN BURN OUT AS EARLY AS 6 MONTHS

MO. 30% LIGHT LOSS

1 YR.

ESIDENTIAL FLUORESCENTS
CAN BURN OUT AS EARLY AS 1 YEAR
40% LIGHT LOSS

MAINTENANCE ENGINEERING'S

LAMP & BALLAST

GUARANTEED

20 YEARS

5% LIGHT LOSS

BEST IN LED & FLUORESCENT TECHNOLOGY





TM

RESIDENTIAL LED 🦠 M

LED 30% LIGHT LOSS

HOT TINY LED CHIP @500°F

- HEAT DESTROYS **PHOSPHOR**
- 3 YR PHOSPHOR LIFE

Only 5% LIGHT LOSS

TUBE

• 20 YEAR RARE EARTH LIGHT EMITTING PHOSPHORS (L.E.P.)

UNNATURAL COLOR

DISTORTED COLOR



• LIGHT HAS YELLOW-GREY **COLOR**

NATURAL LIGHT

FULL SPECTRUMANGE SUN 14 YELLOV

- WHITER BRIGHTER
- 85% APPROXIMATION OF SUNLIGHT CLOSEST TO NATURAL **SUNLIGHT**

LED **ENERGY SAVINGS**



ENERGY SAVINGS

LED

DESIGNED TO FAIL - 3 YR

DRIVER THE REAL PROPERTY.



DESIGN

20 YEAR DESIGN LIFE

ELECTRONICALLY MATCHED BALLAST & LAMP



50,000-START TECHNOLOGY

RESIDENTIAL LED
CAN BURNOUT AS EARLY AS 6 MONTHS

30% LIGHT

M.E. HYERD™ **GUARANTEED**

MYTHS ABOUT SHORTLED TUBES



MYTH#1 - LEDS LAST FOREVER

FACT: • LEDS HAVE

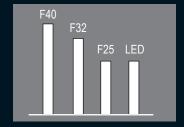
- 30% LIGHT LOSS
- 6 MONTH TO 3 YEAR LIFE



MYTH #2 - LEDS ARE BRIGHTER

FACT: • LEDS ARE

- 40% LESS THAN F40
- 24% LESS THAN F32
- SAME AS F25



MYTH #3 - LEDS SAVE ENERGY

FACTS: • F32 COMPARED TO 22-watt LED

- 24% ENERGY SAVINGS, <u>BUT</u>

- 24% **DIMMER!**

ENERGY SAVINGS RESULTS IN LIGHT LOSS!

MYTH #4 - LEDS ARE EASY TO INSTALL

FACTS: • COMPLICATED WIRING

- DANGEROUS LINE VOLTAGE AT SOCKETS
- DIFFERENT WIRING BETWEEN SUPPLIERS

REPLACEMENT LAMPS MAY REQUIRE REWIRING

MYTH #5 - LEDS PAY FOR THEMSELVES

FACT: • 9-12 YEAR PAYBACK ON 3 YEAR LIFE!!!

ENERGY & BRICHTNESS CUIDE

F40T12

4 LAMP		WHICH IS MORE	IMPORTANT?					
7.1111		BRIGHTNESS	ENERGY	20YR SAVINGS	CC	MPONE	NT SAVIN	GS
WALKING TO SEE THE SECOND TO SECOND	HYBRID™ SYSTEM	% BRIGHTER vs. F40	% SAVED vs. F40	ENERGY+A/C+ LAMP+BALLAST+ LABOR TOTAL	ENERGY	A/C	LAMP + BALLAST	LABOR
	F25	+19%	53%	\$925	\$273	\$114	\$340	\$198
CONVERT TO 4	F28	+33%	49%	\$890	\$247	\$105	\$340	\$198
	F32	+54%	39%	\$818	\$197	\$83	\$340	\$198
DELAMP TO 2	F25	-40%	77 %	\$1,090	\$389	\$163	\$340	\$198
	F28	-33%	75 %	\$1,072	\$376	\$158	\$340	\$198
	F32	-23%	70%	\$1,035	\$350	\$147	\$340	\$198

3 LAMP								
, i	F25	+19%	53%	\$616	\$194	\$82	\$198	\$142
CONVERT TO 3	F28	+33%	49%	\$586	\$173	\$73	\$198	\$142
	F32	+54%	39 %	\$560	\$155	\$65	\$198	\$142
	F25	-20%	69%	\$713	\$263	\$110	\$198	\$142
DELAMP TO 2	F28	-11%	66%	\$695	\$250	\$105	\$198	\$142
	F32	+3%	60%	\$657	\$223	\$94	\$198	\$142

2 LAMP								
	F25	+19%	53%	\$505	\$136	\$57	\$170	\$142
CONVERT TO 2	F28	+33%	49%	\$487	\$123	\$52	\$170	\$142
	F32	+54%	39 %	\$450	\$97	\$41	\$170	\$142

MAINTENANCE ENGINEERING RECOMMENDS DELAMPING WHEN IT IS OBVIOUSLY OVER-LIT.

ENERGY & BRICHTNESS CUIDE

F32T8

4 LAMP	V	WHICH IS MORE	IMPORTANT?					
1-1111 A 1 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1		BRIGHTNESS	ENERGY	20YR SAVINGS	CO	MPONE	NT SAVIN	GS
	HYBRID™ SYSTEM	% BRIGHTER vs. F32	% SAVED vs. F32	ENERGY+A/C+ LAMP+BALLAST+ LABOR TOTAL	ENERGY	A/C	LAMP + BALLAST	LABOR
	F25	+16%	25%	\$537	\$79	\$33	\$227	\$198
CONVERT TO 4	F28	+29%	17%	\$499	\$52	\$22	\$227	\$198
0000	F32	+49%	SAME%	\$425	\$0	\$0	\$227	\$198
	1							
	F25	-42%	63%	\$700	\$194	\$81	\$227	\$198
DELAMP TO 2	F28	-36%	58%	\$682	\$181	\$76	\$227	\$198
	F32	-25%	50%	\$645	\$155	\$65	\$227	\$198

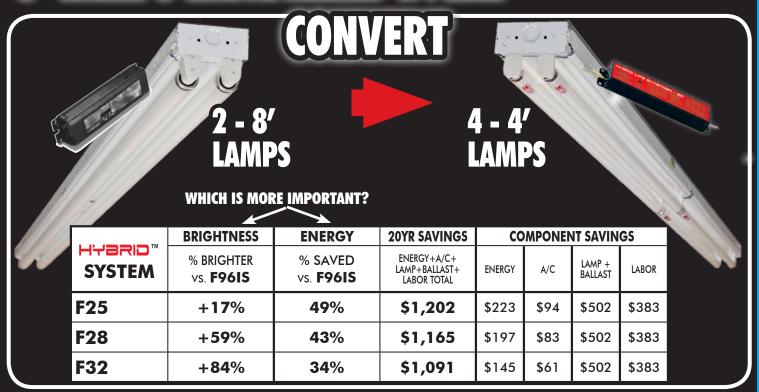
3 LAMP								
	F25	+16%	25%	\$407	\$47	\$20	\$198	\$142
CONVERT TO 3	F28	+29%	17 %	\$377	\$26	\$11	\$198	\$142
	F32	+49%	SAME%	\$340	\$0	\$0	\$198	\$142
	F25	-23%	50%	\$504	\$116	\$48	\$198	\$142
DELAMP TO 2	F28	-14%	44%	\$485	\$102	\$43	\$198	\$142
	F32	SAME%	33%	\$448	\$76	\$32	\$198	\$142

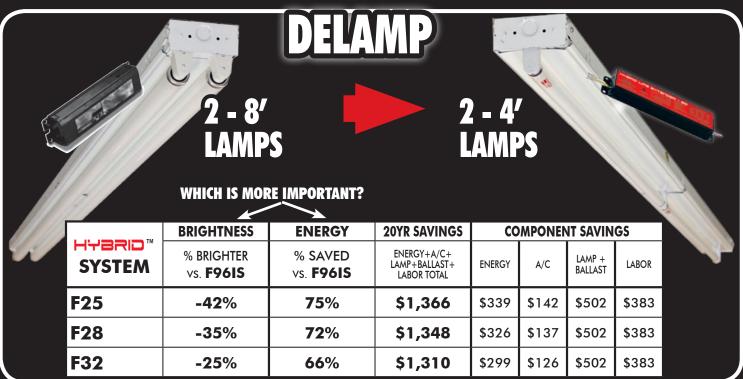
2 LAMP								
	F25	+16%	25%	\$368	\$39	\$17	\$170	\$142
CONVERT TO 2	F28	+29%	17 %	\$349	\$26	\$11	\$170	\$142
	F32	+49%	SAME%	\$312	\$0	\$0	\$170	\$142

MAINTENANCE ENGINEERING RECOMMENDS DELAMPING WHEN IT IS OBVIOUSLY OVER-LIT.

ENERGY & BRICHTNESS GUIDE

8' LAMPS SINGLE-PIN CONVERTING* TO 4' HYBRID





SOCKET KITS FOR CONVERTING SINGLE PIN SOCKETS TO BIPIN SOCKETS SOLD SEPARATELY.

MAINTENANCE ENGINEERING RECOMMENDS DELAMPING WHEN IT IS OBVIOUSLY OVER-LIT.