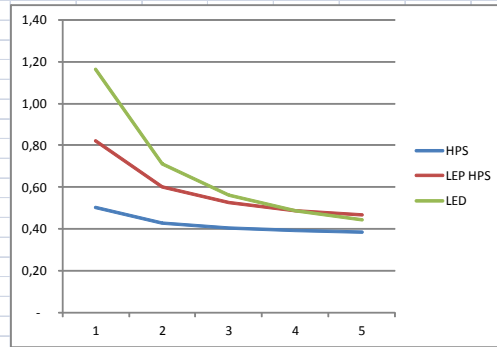


Fixture	Price	PPF	per umol	x HPS	Power	W/umol	PPF/W
Fluence VYPRx PLUS	810	1100	0,74	3,3	515	0,4545	2,2
Heliospectra E60	899	1011	0,89	4,0	630	0,6231	1,6
Valoya R150	580	469	1,24	5,5	276	0,5885	1,7
Illumitex Eclipse N	359	110	3,26	14,5	65	0,5909	1,7
Illumitex Eclipse W	359	90	3,99	17,7	55	0,6111	1,6
Gavita Pro 1000e	450	2000	0,23		1.060	0,5300	1,9

Comparison one fixture at shop price

Relamp / reflector change each year, incl. costs of change

	HPS	HPS + LEP	LED	(LED multiple fixtures for same output)
Investment per (1000W total)	450	1.149	1.800	MSRP
Power drawn @ 100%	1.060	1.330	1.000	W
Expected output	2.000	2.250	2.000	umol s-1
Hours per day	12	12	12	
Days per year	365	365	365	
Hours per year	4.380	4.380	4.380	
kWh per day	12,7	16,0	12,0	
kWh per year	4.643	5.825	4.380	
kWh price	0,12	0,12	0,12	
\$ per day	1,53	1,92	1,44	
\$ per year	557	699	526	
Relamping / reflector every year	150	150	-	
1 year costs total	1.007	1.848	2.326	(investment + electricity)
Per umol	0,50	0,82	1,16	(total costs / ppf)
2 year costs	1.714	2.697	2.851	
	0,43	0,60	0,71	
3 year costs	2.421	3.546	3.377	
Per umol	0,40	0,53	0,56	
4 year costs	3.129	4.395	3.902	
per umol	0,39	0,49	0,49	
5 year costs	3.836	5.244	4.428	
per umol	0,38	0,47	0,44	



Comparison one fixture at shop price

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