

TCO Comparison

Laser versus Lamp Projectors

NEC Projectors with similar technology and brightness are compared according to their total cost of ownership* after 10.000 and after 20.000 hours of working.

Assumed usage time	20.000 hours
	10 hours/day
	5 days/week
	50 weeks/year
	8 years

Lightsource	LASER	LAMP
Comparable Projector Models	NEC P502HL	NEC P502H
Projection Technology	DLP x 1	DLP x 1
Price**	5.354,00 €	2.463,00 €
Exchange lightsource	0	6 x
Lightsource costs for 20.000 hours	0	6 x 486,00 € = 2916,00 €
Maintenance costs ***		6 x 50,00 € = 300,00 €
Total cost*	5.354,00 €	5.679,00 €
Cost saving	325,00 €	

	10.000 hours
	5 hours/day
	5 days/week
	50 weeks/year
	8 years

Lightsource	LASER	LAMP
Comparable Projector Models	NEC P502HL	NEC P502H
Projection Technology	DLP x 1	DLP x 1
Price**	5.354,00 €	2.463,00 €
Exchange lightsource	0	3 x
Lightsource costs for 10.000 hours	0	3 x 486,00 € = 1458,00 €
Maintenance costs ***		3 x 50,00 € = 150,00 €
Total cost*	5.354,00 €	4.071,00 €
Cost saving		1.283,00 €

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX602WL	NEC PX700W
Projection Technology	DLP x 1	DLP x 1
Price**	9.747,00 €	7.569,00 €
Exchange lightsource	0	9 x 2
Lightsource costs** for 20.000 hours	0	18 x 687,00 € = 12.366,00 €
Maintenance costs ***		9 x 100,00 € = 900,00 €
Total cost*	9.747,00 €	20.835,00 €
Cost saving	11.088,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX602WL	NEC PX700W
Projection Technology	DLP x 1	DLP x 1
Price**	9.747,00 €	7.569,00 €
Exchange lightsource	0	4 x 2
Lightsource costs** for 10.000 hours	0	8 x 687,00 € = 5.496,00 €
Maintenance costs ***		4 x 100,00 € = 400,00 €
Total cost*	9.747,00 €	13.465,00 €
Cost saving	3.718,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX803UL	NEC PX750U
Projection Technology	DLP x 1	DLP x 1
Price**	15.982,00 €	14.751,00 €
Exchange lightsource	0	9 x 2
Lightsource costs** for 20.000 hours	0	18 x 687,00 € = 12.366,00 €
Maintenance costs ***		9 x 100,00 € = 900,00 €
Total cost*	15.982,00 €	28.017,00 €
Cost saving	12.035,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX803UL	NEC PX750U
Projection Technology	DLP x 1	DLP x 1
Price**	15.982,00 €	14.751,00 €
Exchange lightsource	0	4 x 2
Lightsource costs** for 10.000 hours	0	8 x 687,00 € = 5.496,00 €
Maintenance costs ***		4 x 100,00 € = 400,00 €
Total cost*	15.982,00 €	20.647,00 €
Cost saving	4.665,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX1004UL	NEC PH1000U
Projection Technology	DLP x 1	DLP x 3
Price**	26.180,00 €	43.525,00 €
Exchange lightsource	0	9 x 2
Lightsource costs** for 20.000 hours	0	18 x 687,00 € = 12.366,00 €
Maintenance costs ***		9 x 100,00 € = 900,00 €
Total cost*	26.180,00 €	56.791,00 €
Cost saving	30.611,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PX1004UL	NEC PH1000U
Projection Technology	DLP x 1	DLP x 3
Price**	26.180,00 €	43.525,00 €
Exchange lightsource	0	4 x 2
Lightsource costs** for 10.000 hours	0	8 x 687,00 € = 5.496,00 €
Maintenance costs ***		4 x 100,00 € = 400,00 €
Total cost*	26.180,00 €	49.421,00 €
Cost saving	23.241,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PH1202HL	NEC PH1400U
Projection Technology	DLP x 3	DLP x 3
Price**	48.303,00 €	52.360,00 €
Exchange lightsource	0	7 x 2
Lightsource costs** for 20.000 hours	0	14 x 724,00 € = 10.136,00 €
Maintenance costs ***		7 x 100,00 € = 700,00 €
Total cost*	48.303,00 €	63.196,00 €
Cost saving	14.893,00 €	

Lightsource	LASER	LAMP
Comparable Projector Models	NEC PH1202HL	NEC PH 1400U
Projection Technology	DLP x 3	DLP x 3
Price**	48.303,00 €	52.360,00 €
Exchange lightsource	0	3 x 2
Lightsource costs** for 10.000 hours	0	6 x 724,00 € = 4.344,00 €
Maintenance costs ***		3 x 100,00 € = 300,00 €
Total cost*	48.303,00 €	57.004,00 €
Cost saving	8.701,00 €	

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* Lens and energy costs are not considered
 ** Recommended retail price in Germany incl. 19% VAT
 *** Estimated labour costs for lamp and filter exchange