New Horizon Lighting

Cost Analysis

Job name: ***Educational Warehouse***

	System 1		System 2	
	F96T12 StripLight F96T12/HO		(6) F32T8/5K	
General:				
Area of installation:	NA	Sq ft	NA	Sq ft
Mounting height:	SAME	Feet	SAME	Feet
Desired foot candles:	SAME	fc	SAME	fc
Catalogue number:	EXISTING		NHL8-6-32T8-UNV	
Number of units dimmable:				
Number of units non-dimmable:	196		50	
Assumption:				
System cost per unit (approx.):			$150.00	
Installation costs per unit (approx.):				
Utility Rebate/Fixture:			$30.00	
System wattage (Lamp&Ballast) Full Power:	110	Watts	192	Watts
Lamp wattage	110	Watts	192	Watts
Ballast wattage loss:		Watts		Watts
System wattage (Lamp&Ballast) Low Power:		Watts		Watts
Operating hours:	8760	Hrs	8760	Hrs
% of Operating hours dimmed:				
Re-lamping schedule: *	2.05	Years	2.47	Years
Re-lamping costs per unit: (approx.)	$8.00		$15.00	
Energy cost per kWh:	$0.120		$0.120	
INITIAL COSTS				
Fixture cost:			$7,500.00	
Installation cost:				
Utility Rebates:			$1,500.00	
Total initial costs:			***$6,000.00***	
ANNUAL OPERATING COSTS				
Total annual kW consumption:	188865.60	kW	84096.00	kW
Total annual system kW (Full Power):	188865.60	kW	84096.00	kW
Total annual system kW (Low Power):		kW		kW
Annual energy cost:	$22,663.87		$10,091.52	
Annual relamping cost*:	$763.09		$304.17	
Total annual operating cost:	***$23,426.97***		***$10,395.69***	
COMPARISON				
Initial cost:			***$6,000.00***	
Operating cost:	***$23,426.97***		***$10,395.69***	

RETURN ON INVESTMENT

Annual Savings ***$13,031.28***

R.O.I. In Years**: **0.46**

Savings Occurred during R.O.I. Period ***$6,000.00***

* **System 1** Re-Lamp @ 90% of rated life. **System 2** Re-Lamp @ 90% of rated life plus $ - labor cost.

** Difference in Total initial Costs (System1-System 2) + Difference in Total Annual Operating Costs (System1-System 2).
NOTE: Above analysis is based on data tested in DPS stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurment.

New Horizon Lighting, 632 Cedar Swamp Road, Jackson NJ
www.newhorizonlighting.com Voice: 732-833-8086 Fax: 732-833-8085