

# LED FURBISHMENT

*transform . refurbish. with LEDS*



**REDEFINE YOUR WORKSPACES**  
*with more savings,  
enhanced productivity  
and better visual comfort*

upto  
**55%**  
Energy  
Savings

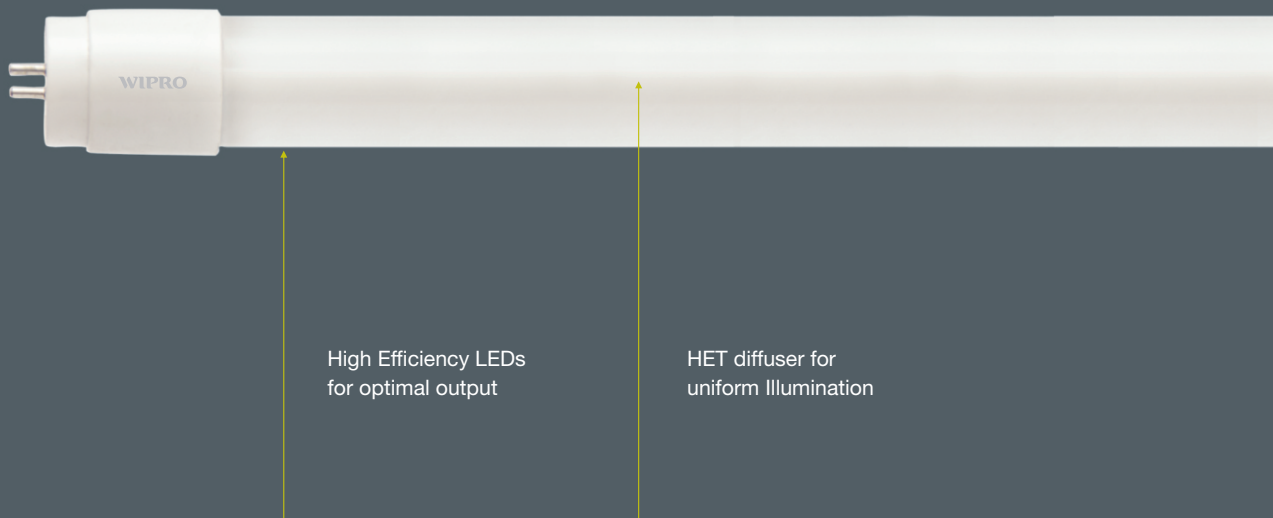
upto  
**59%**  
Reduction in  
Operating Cost

## CUSTOMER BENEFITS

- Long Service Life
- Maintenance Free Operations
- Better Light Quality
- Ideal for Green Buildings

## ProLED | LL 13

High efficiency LED linear lamp



High Efficiency LEDs  
for optimal output

HET diffuser for  
uniform illumination

## WIPRO LIGHTING

### 4POINT ADVANTAGES

#### LIGHT SOURCE

Best-in-class LED technology  
High efficiency long life LEDs  
Best quality LEDs through proper binning for consistent colour, lumen output and forward voltage

#### DRIVER

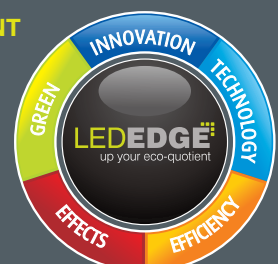
Best-in-class design & manufacturing  
Specially designed for Indian power conditions  
Complies to SELV design standards ensuring safety

#### OPTICS

Uniform and glare free lighting  
HET (High Efficiency Translucence) technology ensures high optical efficiency

#### THERMAL MANAGEMENT

Special design for effective thermal management ensures long service life and consistent performance of LEDs



# PAYBACK CALCULATIONS



Description	1x36W T8 Tube	ProLED
<b>General information</b>	<b>1x36W FTL</b>	<b>18W LED</b>
Luminaire quantity in nos	100	100
Total power consumption per luminaire (W)	40	18
Total power consumption in system (KW)	4.00	1.80
Average life of lamp	5000	50000
<b>Operating energy cost</b>		
<b>Usage of system per day in hours</b>	<b>24</b>	<b>24</b>
Total usage of system per annum in hours	8160	8160
Total energy consumption per annum (KWH)	32,640	14,688
Total electricity charges per annum for system (₹)	2,93,760	1,32,192
<b>Total operating cost in ₹ per annum*</b>	<b>2,93,760</b>	<b>1,32,192</b>
<b>Lamps and gear replacement cost</b>		
Number of lamps to be replaced	163	0
Cost of lamp replacement (including labor cost)	24,480	0
Number of gears to be replaced per annum	5	0
Cost of gear replacement (including labor cost)	2,250	0
<b>System analysis</b>		
<b>Total replacement &amp; operating cost (₹)</b>	<b>3,20,490</b>	<b>1,32,192</b>
<b>Total additional initial investment for LED (₹) (Total Cash Out-flow)</b>		<b>1,25,000</b>
<b>Total savings in replacement &amp; operating cost using LED (₹) (Cash In-Flow)</b>		<b>1,88,298</b>

payback in  
**8 MONTHS\*\***



Note: Above analysis is for replacement of existing product with LED

\*340 days of working in a year & ₹ 9.0/KW

\*\*depending on market price