



# LED FLP VESSEL LAMP

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Save Energy, Save Planet  
Save Money

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LIGHTING



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LIGHTING

Intelligent Lighting Systems  
Ankleshwar, Gujarat,INDIA  
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220245

## Intelligent Lighting Systems

Plot No 209/9, GEB Office Road,  
Near Mahadev Bakery,GIDC Ankleshwar-393002,  
Dist.Bharuch, Gujarat, INDIA

# BENEFITS FROM LED FITTING

- **Energy efficient lamp- Very low power consumption**
- **LED having ever highest efficiency compare to other like CFL, Mercury, incandescent, sodium lamp etc.**
- **Very Long life**
- **Less maintenance cost**
- **No production of UV light**
- **Produce directional light- useful for directing light on specific areas rather than a diffused glow**
- **Very low environment impact- due to very long life very low generation of lighting waste compared with conventional lights**
- **Increase in manpower availability**
- **Energy efficient lamp- Very low power consumption**

# ILS FLP VESSEL LAMP MODUL

PRODUCT CODE :- ILS FLP RVL 6 x 1 8w

LED LAMP COST :- 2000 /-

➔ LED BRAND CITIZEN (MAID IN JAPAN)

➔ LED MODUL NO CL-L251-C6N1C

➔ LIGHT OUT PUT 625x1 625 LUMENS

➔ COLOUR (CCT) 5000K

➔ CRI 70 RA

➔ LED WATTAGE 6 x 1 6 w

➔ LED DRIVER SUNLIT (MAID IN INDIA)

➔ VOLTAGE 9.3V DC

➔ CURRENT 720MA

➔ DRIVING TECH CONSTANT CURRENT

➔ PF 0.96

➔ A.TH.D 15%

Energy Saving - 40w GLS To 8w 80 %

Out Put Visibility - 200% Plus @ Mean LUX

Return Of investment :- 0.7 YEAR (9 MONTH)

Reliability :- 100 Time Plus

(0.040kw - 0.008kw x 1nos. x 24 hr x 30 Days X 12 Month x 7 Rs + 600 Yearly main.. + 10% other)

Yearly KWH Saving 280 80%

Yearly CO2 Reduction LBS 337 80%

Yearly Rs Saving 2818 80%

Return of Investment (ROI) 0.71

Internal Rate Of Return (IRR) 139%

Net Present Value (NPV) 8684 Positive

Profitability Index (PI) 6.55 positive (PI1)

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6 x 18 w

## COMPARISON-LED V/S EXISTING LAMP FITTING

<b>Sr. No.</b>	<b>Characteristics</b>	<b>LED (Proposed)</b>	<b>GLS (As per existing)</b>
1.	Power consumption	8 watt	40 Watt
2.	Lamp Efficiency	108-120 Lumen/watt	7-24 Lumen/watt
	Visibility / LUX Level	500 To 600 LUX (1 Miter dist.)	150 To 200 LUX (1 miter dis.)
3.	Lamp Life	90,000 Hours @ 70 % Effi.	700 -1000 Hours
4.	Guarantee/ Warranty	3 YEAR	NO Gu./Wa.
5.	Environment impact	Very low	High
6.	Maintenance time	Very low	High
7.	Maintenance cost	Very low	High
8.	Initial Cost	High	Low

**PRODUCT CODE :- ILS FLP WG 13 x 1 15w**

**LED LAMP COST :- 3000 /-**

- ➔ **LED BRAND CITIZEN (MAID IN JAPAN)**
- ➔ **LED MODUL NO CL-L233-C13N1C**
- ➔ **LIGHT OUT PUT 1400x1 1400 LUMENS**
- ➔ **COLOUR (CCT) 5000K**
- ➔ **CRI 70 RA**
- ➔ **LED WATTAGE 13 x 1 13 w**

- ➔ **LED DRIVER SUNLIT (MAID IN INDIA)**
- ➔ **VOLTAGE 19V DC**
- ➔ **CURRENT 720MA**
- ➔ **DRIVING TECH CONSTANT CURRENT**
- ➔ **PF 0.96**
- ➔ **A.TH D 15%**

**Energy Saving – 60w GLS To 15w 75%**

**Out put Visibility – 300% PLUS @MEAN LUX**

**Return Of investment :- 0.8 YEAR (10 MONTH)**

**Reliability :- 100 Time Plus**

**(0.060 kw - 0.015 kw X 1nos. X 24 hr x 30 Days X 12 Month x 7 Rs + 600 Yearly main.. + 10% other)**

**Yearly KWH Saving 394 75 %**

**Yearly CO2 Reduction LBS 524 75%**

**Yearly Rs Saving 3695 75 %**

**Return of Investment (ROI) 0.81 Positive**

**Internal Rate Of Return (IRR) 121% (r)**

**Net Present Value (NPV) 11008 Positive ( 0)**

**Profitability Index (PI) 5.66 positive (PI1)**

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13 X 1 15 w

## COMPARISON-LED V/S EXISTING LAMP FITTING

<b>Sr. No.</b>	<b>Characteristics</b>	<b>LED (Proposed)</b>	<b>GLS (As per existing)</b>
1.	Power consumption	15 watt	60 Watt
6.	Lamp Efficiency	1400 Lumen total (108-120 /watt)	7-24 Lumen/watt
	Visibility / LUX Level	800 To 1000 LUX (1 Miter dist.)	150 To 200 LUX (1 miter dis.)
7.	Lamp Life	90,000 Hours @ 70 % Effi.	700 -1000 Hours
	Guarantee/ Warranty	3 YEAR	NO Gu./Wa.
8.	Environment impact	Very low	High
9.	Maintenance time	Very low	High
10.	Maintenance cost	Very low	High
11.	Initial Cost	High	Low

**PRODUCT CODE :- ILS FLP WG 6 x 2 16w**

**LED LAMP COST :- 4000 /-**

- ➔ **LED BRAND CITIZEN (MAID IN JAPAN)**
- ➔ **LED MODUL NO CL-L251-C6N1C**
- ➔ **LIGHT OUT PUT 625 x 2 1250 LUMENS**
- ➔ **COLOUR (CCT) 5000K**
- ➔ **CRI 70 RA**
- ➔ **LED WATTAGE 6 x 2 12 w**
- ➔ **LED DRIVER SUNLIT (MAID IN INDIA)**
- ➔ **VOLTAGE 18.6V DC**
- ➔ **CURRENT 720 MA**
- ➔ **DRIVING TECH CONSTANT CURRENT**
- ➔ **PF 0.96**
- ➔ **A.TH D 15%**

**Energy Saving – 100w GLS To 16w 75%**

**Out put Visibility – 300% PLUS @MEAN LUX**

**Return Of investment :- 0.8 YEAR (10 MONTH)**

**Reliability :- 150 Time Plus**

**(2.4 kw - 0.384 kw X 1nos. X 24 hr x 30 Days X 12 Month x 7 Rs + 600 Yearly main.. + 10% other)**

**Yearly KWH Saving 736 84 %**

**Yearly CO2 Reduction LBS 979 84%**

**Yearly Rs Saving 6326 84 %**

**Return of Investment (ROI) 0.63 Positive**

**Internal Rate Of Return (IRR) 157% (r)**

**Net Present Value (NPV) 19908 Positive ( 0)**

**Profitability Index (PI) 7.41 positive (PI1)**

6 X 2 16 w

## COMPARISON-LED V/S EXISTING LAMP FITTING

Sr. No.	Characteristics	LED (Proposed)	GLS (As per existing)
1.	Power consumption	16 watt	60 Watt
6.	Lamp Efficiency	1250 Lumen total 108-120/watt	7-24 Lumen/watt
	Visibility / lux	1000 To 1200 LUX (1 Miter dist.)	150 To 200 LUX (1 miter dis.)
7.	Lamp Life	90,000 Hours @ 70 % Effi.	700 -1000 Hours
8.	Guarantee/ Warranty	3 YEAR	NO Gu./Wa.
9.	Environment impact	Very low	High
10.	Maintenance time	Very low	High
11.	Maintenance cost	Very low	High
12.	Initial Cost	High	Low



## LED LIGHTING SYSTEMS BY ILS

- High Quality Thermal Management by unique aluminum Heat Sink.
- ILS LED Lamp We are Controlling TJ Much Better Junction Temperature in ILS LED Lamp is  $< 80^{\circ} \text{C}$ . (Other Supplier's light is having TJ up to  $120^{\circ} \text{c}$  )
- Technically Designed high quality Fitment/ Fixture as per actual requirements of CITIZEN.
- Maintaining the maximum power quality.
- Dealing directly with customer's – No Extra marketing & Retailing cost.
- We can design the products as per customer requirements.
- 100% Technical support & tested product's.
- Highest Guarantee period -3 Years ( lumens maintain 90 %, CCT, CRI )
- Specially concentrating on industrial products.

The logo for iLS Intelligent Lighting Systems features the letters 'iLS' in a stylized font. The 'i' is a simple vertical bar with a sunburst icon above it. The 'L' is a thick vertical bar with a horizontal bar at the bottom. The 'S' is a large, green, serif letter. To the right of the logo, the words 'Intelligent Lighting Systems' are written in a bold, black, sans-serif font.

**iLS Intelligent Lighting Systems**

THANK YOU....

Save Money

**Save Energy Save our Planet**

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