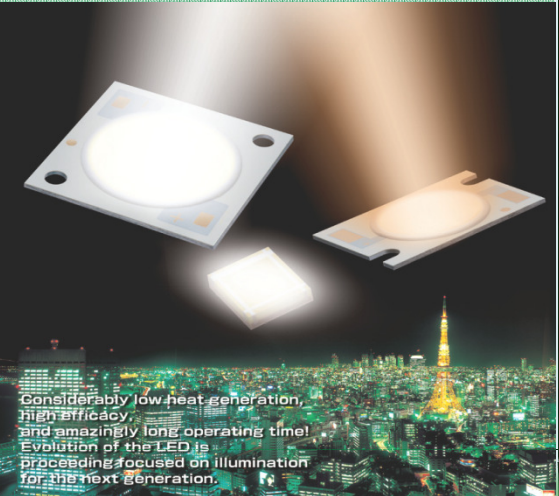


Intelligent Lighting Systems

CITIZEN
Micro HumanTech

OTILED®
The Light Engine

sunlit
Since 1993
It's where the lighting begins.



Save Energy Save Planet
Save Money



Intelligent Lighting Systems

Ankleshwar, Gujarat, INDIA
Custmour Care - +91-2646

220245

LED FLP WELL GLASS

WWW.ILS.CC

EMAIL:-INFO@ILS.CC

- ⇒ Benefit From LED Fitting
- ⇒ Advantage of citizen
- ⇒ Product Description
Details of manufacturer(model number and technical data).
Payback Details.
- ⇒ LED Lighting Systems By ILS

Intelligent Lighting Systems

Plot No.209/9,Near GEB Office Road, GIDC

Ankleshwar-393002,Gujarat,India

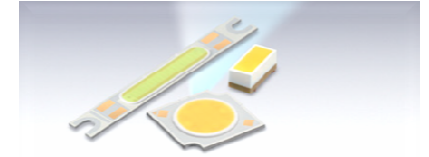
Ph.02646-220245, Fax. 02646-222713

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.**



ADVANTAGE OF CITIZEN



1970 - Founded as a joint venture between the Japanese firm Citizen Watch Co., Ltd. and the U.S.'s Bulova Watch Company, Inc., with paid-in capital of 90 million yen.

1983 - Launch of **CITILED** chip LEDs.

**LED Lamp Manufacturing Plant is in Japan
(The Number One Electronics Company in the World .)**

Compact, lightweight, and long service life. Environmentally- friendly light source for next generation, accompanied with aesthetic design and functionality. Citizen Electronics meets customers' needs by utilizing our original packaging technology and providing various products characterized by high power, high efficiency, and high color rendering.

Citizen Technological Method

Through our superior technology in precision processing, instrumentation, energy conservation and production, we can offer designs and functions that are both refined and appealing. The abbreviated "Tech" represents the grounding of our business in craftsmanship based on reliable technology.

Chip on Aluminum technique (Citizen Electronics has acquired a patent for this technique)

Maximum Provide Of Tested Products

Residential indoor and commercial applications

94.1%@6,000h equivalent to 70%@35,000 hours.



ILS FLP WELL GLASS MODUL

PRODUCT CODE :- ILS FLP WG 6 x 3 25w

LED LAMP COST :- 5500 /-

- ➔ LED BRAND CITIZEN (MAID IN JAPAN)
- ➔ LED DRIVER SUNLIT (MAID IN INDIA)
- ➔ LED MODUL NO CL-L251-C6N1C
- ➔ VOLTAGE 18.6 V DC
- ➔ LIGHT OUT PUT 625x3 1875 LUMENS
- ➔ CURRENT 720MA
- ➔ COLOUR (CCT) 5000K
- ➔ DRIVING TECH CONSTANT CURRENT
- ➔ CRI 70 RA
- ➔ PF 0.96
- ➔ LED WATTAGE 6 x 3 18 w
- ➔ A.TH.D 15%

Energy Saving - 125w(HPMV...) To 25w 80%

Out put Visibility – Best

Return Of investment :- 1.36 (17 mouth)

(1.5-0.3x1nos. x 12 hr x 30 Days X 12 Month x 7 Rs + 600 Yearly main.. + 10% other)

Yearly KWH Saving 438 80%

Yearly CO2 Reduction LBS 583 80%

Yearly Rs Saving 4033 80%

Return of Investment (ROI) 1.36

Internal Rate Of Return (IRR) 68%

Net Present Value (NPV) 9787 Positive

Profitability Index (PI) 3.17 positive (PI1)

www.ils.cc

6 x 3 25 w

COMPARISION-LED V/S EXISTING LAMP FITTING

Sr. No.	Characteristics	LED (Proposed)	HPMV (As per existing)
1.	Power consumption	25 watt	125 Watt
2.	Initial Cost	5500	4500
3.	Running Power Cost- One Year@12 Hrs/day working	756	3780
4.	Maintenance cost-One Year	0	600
5.	Total cost/year	756	4380
6.	Lamp Efficiency	108-120 Lumen/watt	40-45 Lumen/watt
7.	Lamp Life	90,000 Hours @ 70 % Effi.	5000 Hours
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 13 x 2 30w

LED LAMP COST :- 6200 /-

➔ LED BRAND CITIZEN (MAID IN JAPAN)

➔ LED MODUL NO CL-L233-C13N1C

➔ LIGHT OUT PUT 1400x2 2800 LUMENS

➔ COLOUR (CCT) 5000K

➔ CRI 70 RA

➔ LED WATTAGE 13 x 2 26 w

➔ LED DRIVER SUNLIT (MAID IN INDIA)

➔ VOLTAGE 38V DC

➔ CURRENT 720 MA

➔ DRIVING TECH CONSTANT CURRENT

➔ PF 0.96

➔ A.TH.D 15%

Energy Saving - 160w(125 HPMV...) To 30w 82%

Out put Visibility – 10% PLUS @MEAN LUX

Return Of investment :- 1.1 (13 month)

(0.160 kw - 0.030 kw X 1nos. X 12 hr x 30 Days X 12 Month x 7 Rs + 1200 Yearly main.. + 10% other)

Yearly KWH Saving 569 81%

Yearly CO2 Reduction LBS 757 81%

Yearly Rs Saving 5704 /- 80%

Return of Investment (ROI) 1.49

Internal Rate Of Return (IRR) 61%

Net Present Value (NPV) 13124 Positive

Profitability Index (PI) 2.86 positive (PI1)

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13 X 230 w

COMPARISION-LED V/S EXISTING LAMP FITTING

Sr. No.	Characteristics	LED (Proposed)	HPMV (As per existing)
1.	Power consumption	30 watt	160 Watt
2.	Initial Cost	6200	4500
3.	Running Power Cost- One Year@10 Hrs/day working	908	4838
4.	Maintenance cost-One Year	0	1200
5.	Total cost/year	908	6038
6.	Lamp Efficiency	108-120 Lumen/watt	40-45 Lumen/watt
7.	Lamp Life	90,000 Hours @ 70 % Effi.	5000 Hours
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 13 x 3 45w

LED LAMP COST :- 8500 /-

➔ LED BRAND CITIZEN (MAID IN JAPAN)

➔ LED MODUL NO CL-L233-C13N1C

➔ LIGHT OUT PUT 1400x 3 4200 LUMENS

➔ COLOUR (CCT) 5000K

➔ CRI 70 RA

➔ LED WATTAGE 13 x 3 39 w

➔ LED DRIVER SUNLIT (MAID IN INDIA)

➔ VOLTAGE 56 V DC

➔ CURRENT 720MA

➔ DRIVING TECH CONSTANT CURRENT

➔ PF 0.96

➔ A.TH D 15%

Energy Saving - 160w(125 HPMV...) To 45w 72%

Out put Visibility – 100% PLUS @MEAN LUX

Return Of investment :- 1.5 Years (18 month)

(0.160 kw - 0.045 kw X 1nos. X 12 hr x 30 Days X 12 Month x 7 Rs + 1200 Yearly main.. + 10% other)

Yearly KWH Saving 504 72%

Yearly CO2 Reduction LBS 670 72%

Yearly Rs Saving 5198 72%

Return of Investment (ROI) 1.64

Internal Rate Of Return (IRR) 54%

Net Present Value (NPV) 11206 Positive

Profitability Index (PI) 2.56 positive (PI 1)

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13 X 3 45 w

COMPARISION-LED V/S EXISTING LAMP FITTING

Sr. No.	Characteristics	LED (Proposed)	HPMV (As per existing)
1.	Power consumption	45 watt	125 Watt
2.	Initial Cost	8500	4500
3.	Running Power Cost- One Year@10 Hrs/day working	1360	4838
4.	Maintenance cost-One Year	0	1200
5.	Total cost/year	1360	6038
6.	Lamp Efficiency	108-120 Lumen/watt	40-45 Lumen/watt
7.	Lamp Life	90,000 Hours @ 70 % Effi.	5000 Hours
8.	Environment impact	Very low	High
9.	Maintenance time	Very low	High
10.	Maintenance cost	Very low	High
11.	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° C. (Other Supplier's light is having TJ up to 120°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.**
- **We are Intelligent In Flameproof LED Lamps.**

Note:- Please send us an email if you have any question or ask more detail information. We will respond it as soon as possible.



Save Money

Save Energy Save our Planet

Plot No.209/9,GEB Office Road,Near Mahadev Bekary,
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Office - +91- 02646-220245 www.ils.cc

Best Regards,

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Thank you..

Have a nice day.