

# LED FLAME PROOF HAND LAMP FITTING



**Tejaslite**  
*Energy Efficient Lighting Forever*

FLP/WP Hand Lamp light fittings Die Casted Aluminum LM6 construction suitable for the Hazardous Atmosphere in oil /Chemical /Pharmaceutical and Bulk Drugs Industries are more energy efficient LED Fittings. Very compact and Handy designed Hand lamp fittings with high illumination and heat resistant type 'A' borosilicate glass to produce more clarity & better light output and illumination.



INDOOR



OUTDOOR



LED LIFE  
> 50,000 Hrs



50 - 60 Hz



UV & IR  
RADIATION FREE



MERCURY



OPERATING  
TEMP.  
-10°C to 50°C

## Application

💡 Oil / Refineries Industries  
like IOCL, BPCL, HPCL etc

💡 Chemical Industries

💡 Pharmaceutical/ Bulk drug  
Industries

💡 Automobile Industries

💡 Paint & Thinner Industries

💡 Power Generation  
plants

💡 Fertilizers / Chemical  
industries

💡 Bio-Chemical Industries

# Specification

| Part No                   | TSFHL-32   | TSFHL-72 | TSFHL-142 | TSFHL-202 |
|---------------------------|--|----------|-----------|-----------|
| Power Consumption (±5%)   | 3W   | 7W       | 14W       | 20W       |
| <b>Electrical Data</b>    |  |          |           |           |
| Input Voltage & Frequency | AC 24V & 50 Hz ~ 60Hz  |          |           |           |
| Driver Surge Voltage      | >4KV ( up to 20KV on request)- Input Low Voltage &Over Voltage Protection / Output Short Circuit and Open Circuit Protection     |          |           |           |
| System efficiency         | >85%   |          |           |           |
| <b>Photometric Data</b>   |  |          |           |           |
| Rated Luminous Flux       | >360 Lm  | >840 Lm  | >1600 Lm  | >2400 Lm  |
| Luminance                 | >100/3ft   | >180/3ft | >225/ft   | >300/ft   |
| LED Beam Angle            | 180°   |          |           |           |
| LED Light Source          | SMD LED(LM80 life time tested part, High Lumen Output and Efficacy ,Designed for high current operation, Low Thermal Resistance) |          |           |           |
| Color Rendering Index     | ≥80  |          |           |           |
| Luminous Efficiency       | >130Lm/W   |          |           |           |
| Color Temperature (CCT)   | Cool White (CW) 5000K~6500K { Neutral White (NW) 3900K~4500K , Warm White (WW) 2700K~3900K } on request                          |          |           |           |
| <b>Luminaire Data</b>     |  |          |           |           |
| Luminaire weight          | 3 Kg   | 3 Kg     | 3 Kg      | 3 Kg      |
| Rated Life                | >50000 Hours   |          |           |           |
| IP Rating                 | IP65   |          |           |           |
| Working Temperature       | -10°c to + 50°c  |          |           |           |
| Luminaire Body & Finish   | pressure Die castings LM6 aluminium enclosure with light grey to shade 631 epoxy powder coated                                   |          |           |           |
| Application & Mounting    | Suitable for Flame Proof, ZONE 1 & ZONE 2, GAS GROUP IIA, IIB - Indoor , outdoor area & carry with hand                          |          |           |           |
| Futures                   | Eco Friendly, Low Power Consumption, No UV & IR Radiation, Long Life, Less Heat, No Bugs, Instant On & Off                       |          |           |           |

Disclaimer: Owing to continuous innovation & improvement, Tejaslite reserves the right to make changes In the design/data/details without prior notice. Care has been taken to ensure that the information contained is correct.