



Ideal Lighting & Smart Technologies P Ltd.

Light up your industry in Safe and Smart way

Product Catalogue & Profile Ver 10.0

[Click to see corporate video](#)





8 Years

6 Group Companies

100 Cr

Group Turnover

200 Work Force

35 Marketing / Sales / Technical / R&D,
165 Operations,

50,000 Sq ft

Production Area (Luminaire only)

HQ

Ankleshwar, Distt. Bharuch, Gujarat





ILS Quality Assurance

Fully Equipped Laboratory

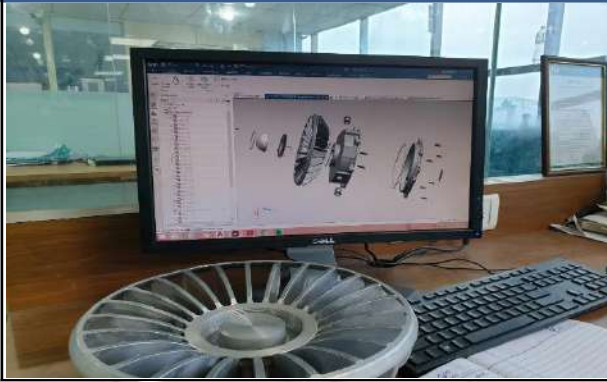


LM 79 / IS 16106
 EN 60598 / IS 10322
 IEC 61347 / IS 15885
 IEC 60529
 IEC 62262
 IEC 61000-4-5
 IES 61000-3-2

- Electrical & Photometric measurements
- Luminaire – General Requirement & Safety Test
- Safety of LED Driver
- Ingress protection Testing
- IK Impact Resistance Test
- Surge Immunity Test
- Limits of Harmonic current emission



In-house Product Design



In-house PDC / Painting



In-house CNC Workshop



In-house Assembly



In-house EMS



In-house Laboratory



Most Trusted Lighting Manufacturer IPSA Awards 2019



Fastest Growing Manufacturer IPF Industrial Excellence 2018



Fastest Growing Manufacturer IPF Industrial Excellence 2017







ILS Esteemed Customers





ILS Esteemed Customers



Flameproof Product Range

CIMFR

PESO



CV/L-7200148510
IS/IEC-60079-L-2007

IP
65

IK
07

Flameproof LED Lighting Range



Flameproof Switchgear



Flameproof Fan Range



Flameproof Luminaires Range

CIMFR

PESO



CW/L-7200148510
IS/IEC-60079-L-2007

FLP Well Glass-Traditional

IFW10



30W, 45W, 60W

FLP Well Glass-New

IFW40



60°
90°
120°

30W, 45W, 60W, 70W, 72W, 75W

FLP Flood Light

IFF40



60°
90°
120°

30W, 45W, 60W, 70W, 72W, 75W

IFW11



IFW12



20W, 30W, 45W

IFW50



60°
90°
120°

80W, 90W, 100W, 120W, 150W

IFF50



60°
90°
120°

80W, 90W, 100W, 120W, 150W

Flameproof Luminaires Range

CIMFR

PESO



CW/L-7200148510
IS/IEC-60079-L-2007

FLP Street Light

IFS40



60°
90°
120°

30W, 45W, 60W, 70W, 72W, 75W

IFS50



60°
90°
120°

80W, 90W, 100W, 120W, 150W

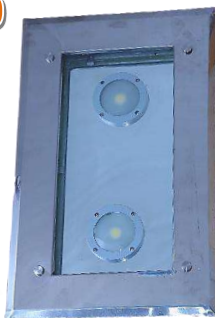
FLP Cleanroom

IFC10



15W, 30W, 45W

IFC30



45W, 60W,

FLP Cleanroom

IFC40



IFC41

IFC42



30W, 45W, 60W, 70W

IFB10



FLP Bulk Head 30W ~ 60W

Flameproof Luminaires Range

CIMFR

PESO



CW/L-7200148510
IS/IEC-60079-L-2007

FLP RVL - 15W

IFR10



230V AC – Rotary Switch

IFR12



24V AC – Rotary Switch

FLP RVL-15W

IFR11



Touch ON-OFF

IFR13



230V AC - Timer

FLP Hand Lamp – 15W

IFH10



230V AC / 24V AC/DC

IFA10



FLP Aviation Light 10W

Flameproof Switchgear Range

CIMFR

PESO



CN/L-7200148510
IS/IEC-60079-L-2007

FLP Push Button Station

IFJ10



10A-1No+1NC

10A-2NO+2NC

FLP Rotary Switch Station

IFJ30



10A, 16A 2 Pole 20A, 32A 4 Pole

FLP Rotary Switch Station

IFJ80

IFJ90



FLP Touch Switch Station

IFJ20



10A-1No+1NC

10A-2NO+2NC

FLP Switch Socket Station

IFJ40



10A, 16A, 3 Pin, 25A, 32 A 5 Pin

FLP Junction Box

IFJ60



80, 100, 125 mm, 4 cable entry

Flameproof Fan Range

CIMFR

PESO



CN/L-7200148510
IS/IEC-60079-L-2007

FLP Exhaust Fan - 1 Phase

IFN10



12", 16" 18" 24"

FLP Cable Gland 19 mm

GLND0006



Double compression

FLP Exhaust Fan - 3 phase

IFN10



12", 16" 18" 24"

FLP Cable Gland M20

GLND0021



Double compression

Flameproof Marking

Classification and marking of potentially explosive atmospheres

| Flammable material | Temporary behaviour of explosive atmosphere | Classification of hazardous areas | Equipment group | Equipment category | Equipment protection level (EPL) |
|-----------------------|---|-----------------------------------|-----------------|--------------------|----------------------------------|
| Gases, mists, vapours | Continuously, for long periods or frequently | Zone 0 | II | | |
| | Likely to occur occasionally | Zone 1 | II | 1G | Ga |
| | Unlikely to occur or likely to occur infrequently or for short periods only | Zone 2 | II | 2G, 3G | Gb, Gc |
| Dusts | Continuously, for long periods or frequently | Zone 20 | II | | |
| | Likely to occur occasionally | Zone 21 | II | 1D | Da |
| | Unlikely to occur or likely to occur infrequently or for short periods only | Zone 22 | II | 2D, 3D | Db, Dc |
| Methane, carbon dust | Continued operation in case of explosion hazard | Zone 20 | I | | |
| | Shutdown in case of explosion hazard | Zone 21 | I | 1M, 2M | Ma, Mb |

Classification into explosion groups and temperature classes

| Explosion group | Examples depending on - explosion group - temperature class |
|---|---|
| IIA | Ammonia, Methane, Ethane, Propane |
| IIB | Ethyl alcohol, Cyclohexane, n-butane |
| | Petrol, Diesel, Fuel oil, n-hexane |
| IIC | Acetaldehyde, Ethyl ether |
| | City gas, Acrylonitrile, Ethylene, Ethylene-oxide, Ethylene glycol, Hydrogen sulphide |
| | Hydrogen, Acetylene, Carbon disulphide |
| T1 < 450 °C T2 < 300 °C T3 < 200 °C T4 < 135 °C T5 < 100 °C T6 < 85 °C | |
| Product use depending on temperature class (T1 to T6). The temperature class indicates the max. permissible temperature of the exposed surface of the product. For dust explosion protection, the max. surface temperature is indicated directly (e.g. T80 °C). | |
| Temperature classes | |

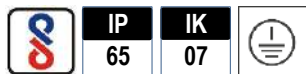
| Notified bodies ⁹⁾ | |
|-------------------------------|--------------------|
| Code number | Notified body |
| 0102 | PTB (Germany) |
| 0158 | EXAM (Germany) |
| 0589 | BAM (Germany) |
| 0600 | EECS (UK) |
| 0637 | IBExU (Germany) |
| 0344 | KEMA (Netherlands) |
| 0081 | LCIE (France) |
| 0518 | SIRA (UK) |
| 0044 | TÜV (Germany) |

⁹⁾ Explosion-proof device cable entries, explosion-proof plugs and explosion-proof threaded adapters do not need to be marked with the temperature class or maximum surface temperature in °C.

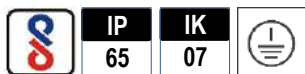


II 2 G Ex db eb IIC T6* Gb NB¹⁾ 18 ATEX 1001 X

Weatherproof Industrial & Outdoor Range – BIS approved



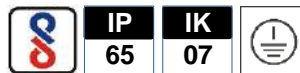
SMD Range



COB Range



High Bay Range – SMD & COB



WP High Bay – SMD 60° / 90°



IWH50

80W



IWH50

100W



IWH60

80W / 100W / 120W



IWH70

150W / 180W / 200W

WP High Bay – COB 60° / 90° / 120°



IWH10

45/60W



IWH20

80/90/100W



IWH30

120/150/180W



IWH40

200/220W

Flood Light Range – SMD & COB



IP65 Flood Light / High Mast / Sports Light – SMD

30° / 40° / 60° / 90°



IWF 50

IWF51

IWF61

IWF70

IWF71 - 5° Beam

IWF80



45W/60W

70W~100W

120W ~ 250W

300/350/400W

200W

1000W

IP65 Flood Light / High Mast Light – COB

60° / 90° / 120°



IWH10

IWF21

IWF22

IWF23

IWF30



45/60/80/100/120W

140/150/160W

180/200/220W

250W

300/350/400W



Street Light Range – SMD & COB



IP65 Street Lights – SMD

140° x 60°



IWS60



24/30/40/45/50W

IWS70



60/80/90W,

IWH71



100/120/150/180W

IWH72



240/250W

IP65 Street Lights – COB

120° x 60°



IWS10



15/20/30/45W

IWS11



45/60W

IWS12



80/90/100/120W

IWS20



150W,

IWS21



180/200W



Well Glass Light Range – SMD & COB



IP65 Well Glass Lights – SMD Diffused Hand Lamp Bulk Head



IWW60

30/40/45W



IWW70

60/70W



IWW80

30/40/45W



IWH10

15/30W



IWB10

10W



IWB20

10W

IP65 Well Glass Lights – COB Diffused



IWW10

30/40/45W



IWW12

30/40/45W



IWW20

60W



Anil Gupta

Sales & Marketing Director | Ideal Lighting & Smart Technologies P Ltd

📞 (91) 7827864835 WA 📞 (91) 9958773322

@ anil.gupta@ideallighting.in

📍 209/9, GEB Office Road, GIDC, Ankleshwar, Gujarat

👉 www.ideallighting.in



Join our new newsletter:
Newley developed products

Join Now

Thank You