



Ideal Lighting & Smart Technologies P Ltd.

Light up your industry in Safe and Smart way

Product Catalogue & Profile Ver 11.0

[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

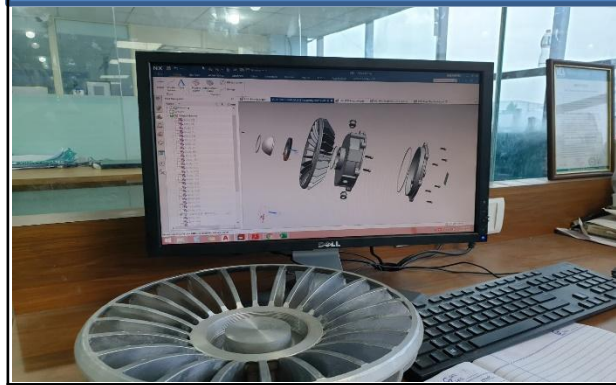


LM 79 / IS 16106
 EN 60598 / IS 10322
 IEC 61347 / IS 15885
 IEC 60529
 IEC 62262
 IEC 61000-4-5
 IES 61000-3-2

- 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



CML-7200148510
IS/IEC-60079-1-2007

IP
65

IK
07

Flameproof LED Lights



Flameproof Switchgear



Flameproof Fan Range



Flameproof AC Range



Flameproof Luminaires Range

CIMFR

PESO



CM/L-7200148510
IS/IEC-60079-1-2007

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



CM/L-7200148510
IS/IEC-60079-1-2007

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,

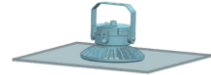
FLP Cleanroom

IFC40



IFC41

IFC42



30W, 45W, 60W, 70W

IFB10



FLP Bulk Head 30W ~ 60W

Flameproof Luminaires Range

CIMFR

PESO



CM/L-7200148510
IS/IEC-60079-1-2:2007

FLP RVL - 15W

IFR10



230V AC – Rotary Switch

IFR12



24V AC – Rotary Switch

FLP Tube Light 20W, 40W

IFT10



Single & Double

IFR11



FLP Hand Lamp – 15W

IFL10



230V AC / 24V AC/DC

IFA10



FLP Aviation Light 10W

Flameproof Switchgear Range

CIMFR

PESO



CM/L-7200148510
IS/IEC-60079-1-2007

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 & ACs Range

CIMFR

PESO



CM/L-7200148510
IS/IEC-60079-1-2007

FLP Exhaust Fan - 1 Phase

IFN10



12", 16" 18" 24"

FLP Air Conditioner



2 Ton

FLP Cable Gland 19 mm

GLND0006



Double compression

FLP Exhaust Fan - 3 phase

IFN10



12", 16" 18" 24"

FLP Air Conditioner



3 Ton

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
IIC	Petrol, Diesel, Fuel oil, n-hexane, 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

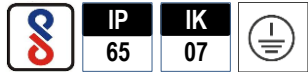
Notified bodies ⁹⁾	
Code number	Notified body
0102	PTB (Germany)
0158	EXAM (Germany)
0589	BAM (Germany)
0600	EECS (UK)
0637	IBExU (Germany)
0344	KEMA (Netherlands)
0081	LCIE (France)
0518	SIRA (UK)
0044	TÜV (Germany)

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



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



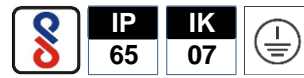
150W,








IWS21






180/200W

Well Glass Light Range – SMD & COB



IP65 Well Glass Lights – SMD		Diffused		Hand Lamp		Bulk Head	
	 <i>IWW60</i>	 <i>IWW70</i>	 <i>IWW80</i>	 <i>IWH10</i>	 <i>IWB10</i>	 <i>IWB20</i>	
	30/40/45W	60/70W	30/40/45W	15/30W	10W	10W	

IP65 Well Glass Lights – COB			Diffused				
	 <i>IWW10</i>	 <i>IWW12</i>	 <i>IWW20</i>				
	30/40/45W	30/40/45W	60W				