

FLP 3600

FLAME PROOF FLOOD LIGHT FITTING



Mechanical Data

Material	: Cast Aluminium LM6
Weight	: 30 Kg (Approx.,)
IP Protection	: IP 65 as per IS 13947(part 1)-1993/IEC 60529/1989
Finish	: Anti corrosive Epoxy powder coated
Cable Entry	: 1 x (0.75" ET / 0.50" NPT / M20)
Glass	: Toughened Borosilicate
Wireguard	: 5 mm Welded steel construction.
Reflector	: Anodised Aluminium
Mounting	: On a cast iron base plate, lockable in any position
Gasket	: Neoprene
Hardware	: Stainless Steel (SS-304)

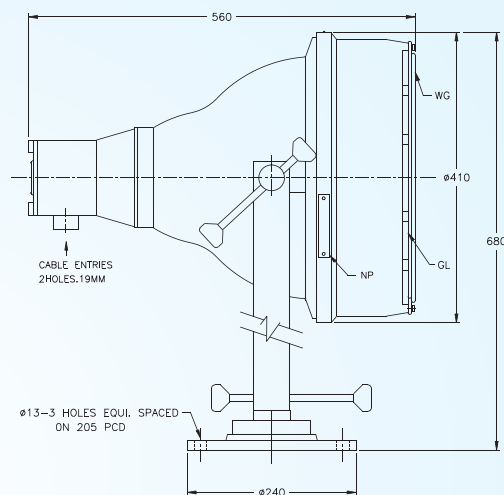
Electrical Data

Voltage	V : 230 AC , 50 Hz
Lamp Wattage	: Refer to table
Lamp Holder	: Porcelain GES Cap - E40
Wiring	: Fibreglass class F insulated 1.5 sq.mm Stranded Copper
Max.Cable size	: 3C x 6 sq.mm
Int.Terminations	: 2 Nos .6 sq.mm crimping lugs
Insulators	: Glass fibre reinforced DMC
Earthing	: External: 2 Nos - M6 Internal : 1 No - M5

Description

Explosion proof Flood light with a separable terminal chamber. A toughened clear flat glass is cemented into a retaining ring which is bolted on to the main body by stainless steel swivel nuts. The luminaire mounted on a base plate is capable of 360 degree rotation on the X axis & between 30 to 120 degrees on the Y axis. The insulators and lamp holders are mounted in the terminal chamber which is bolted to the main body. Weather proof protection is provided by high quality neoprene gaskets.

GA Drawing



NOTE:
 GL - TOUGHENED CLEAR FLAT GLASS, TYPE "A"
 WG - WIRE GUARD (MS PAINTED)
 LAMP HOLDER -GES PORCELAIN
 INTERNAL REFLECTOR -VITREOUS ENAMEL
 NP -NAME & WARNING PLATE(SS)
 HARDWARES -SS304
 INDEPENDENT EARTH TERMINALS PROVIDED

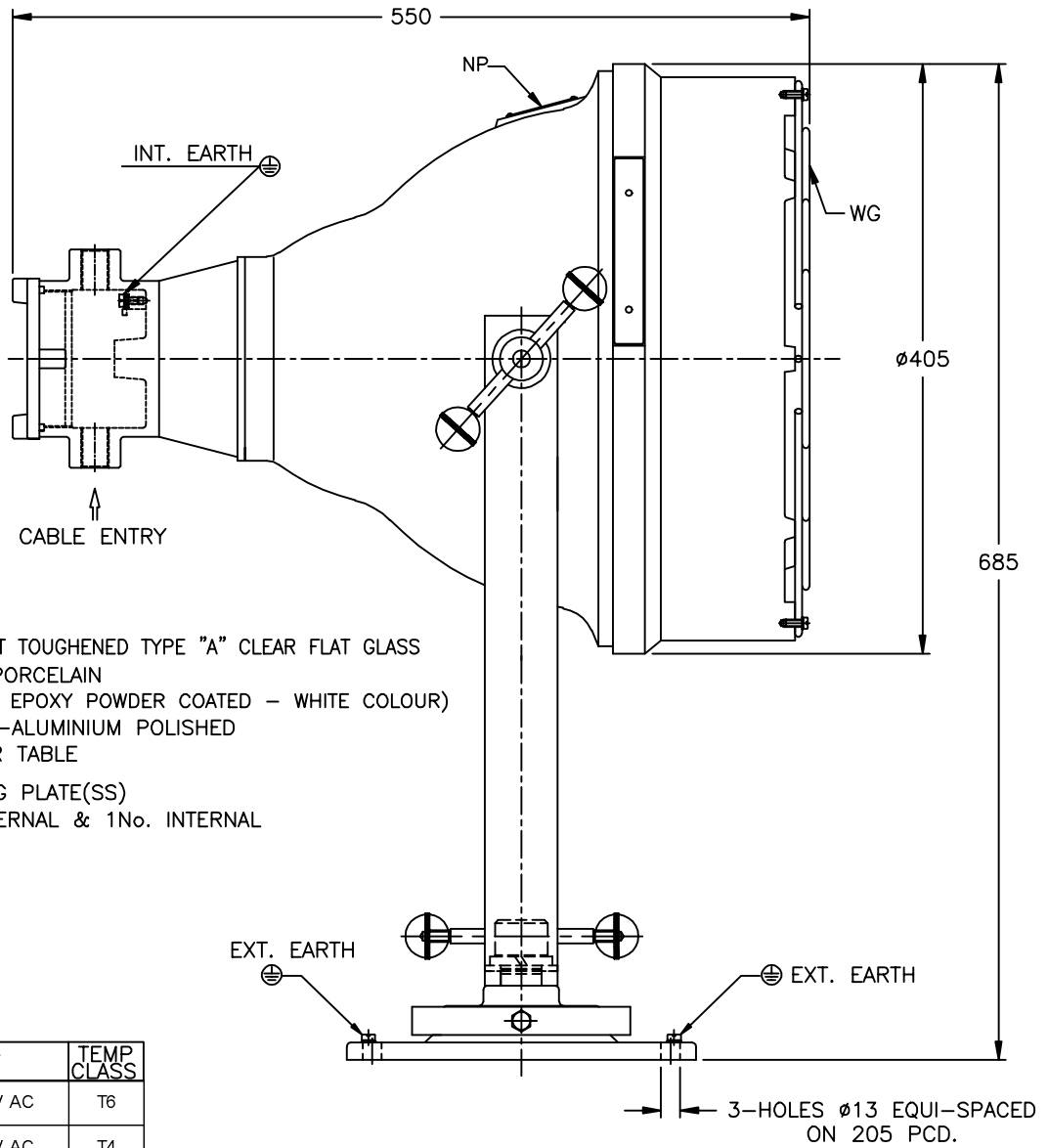
All dimensions are in mm

Type of protection	Flame Proof - Exd
Area Classification	Zone 1 & 2
Gas Groups	Group I, II A ,II B, II C
Apparatus Standard	IS-2148:2004(IEC 60079-1/2001) IS-2206 Part II
CIMFR Certificate No.	CIMFR/TC/SR/H1220
Approvals	CCE,BIS
Temp Rating	Refer to table
Wattage Rating	Refer to table

Lamp Rating (W)	Temp. Class
250 W HPMV	T6
400 W HPMV	T4
300 W GLS	T6
500 W GLS	T4

IF IN DOUBT ASK

DO NOT SCALE



NOTES:

- GLASS - HEAT RESISTANT TOUGHENED TYPE "A" CLEAR FLAT GLASS
- LAMP HOLDER -GES PORCELAIN
- WG -WIRE GUARD (M.S, EPOXY POWDER COATED - WHITE COLOUR)
- INTERNAL REFLECTOR -ALUMINIUM POLISHED
- LAMP TO SUIT -REFER TABLE
- NP -NAME & WARNING PLATE(SS)
- EARTHING -2Nos. EXTERNAL & 1No. INTERNAL
- HARDWARES -SS304

LAMP TO SUIT	TEMP CLASS
250W HPMV - 250V AC	T6
400W HPMV - 250V AC	T4
300W GLS - 250V AC	T6
500W GLS -250V AC	T4

ALL DIMENSIONS ARE IN MM.

CABLE ENTRY 1No. 0.75 ET	CUSTOMER :		TITLE :			
	CONSULTANT :		EXPLOSIONPROOF FLOOD LIGHT			
	PROJECT:		CAT NO : FLP-3600			
	P.O No. :		CLASSIFICATION: Exd IIC IP65 ZONE 1&2			
	FINISH : EPOXY POWDER COATED LIGHT GREY (SHADE-631 OF IS:5)		WT: 32 KG (APPROX)	MATL: AL. LM6	ITEM No: - QTY: -	
TOLERANCE : ±5mm		FOR INFORMATION ONLY SHEET 1 OF 1				
SCALE N.T.S						
CMRI : CMRI/TC/P/H854 DT:25.06.1997	IS:13346/04 (IEC:60079-0/00)				NAME	DATE
CCE : A/P/HQ/MH/104/752 DT:30.06.04	IS:2148/04 (IEC:60079-1/01)				REV-1	
BIS : CM/L-0364341	IS:12063/87 (IEC:60529/89)	REV-2				
Baliga Lighting Equipments Limited KOVILAMBAKKAM, CHENNAI-600 117, INDIA.		DRN.	S.S	18.03.09	DRG. NO.	REV
		CHKD.			QE36000001	0
		APPD.				

केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
बरवा रोड, धनबाद - 826 001, झारखण्ड, भारत



ADDITIONAL FIRST COPY

Central Institute of Mining and Fuel Research

Formerly : Central Mining Research Institute
(Council of Scientific & Industrial Research)
BARWA ROAD, DHANBAD-826 001, JHARKHAND, INDIA

REGISTERED POST/COURIER SERVICE

No. CIMFR/TC/SR/H/220
I.D. No. 935/07

Dated: 3rd March, 2008
CODE NO. FLP/204Z/08

To
M/S. BALIGA LIGHTING EQUIPMENTS PVT. LTD.,
389, MEDAVAKKAM ROAD, KOVILAMBAKKAM,
CHENNAI-600 117

Sub: Supplementary Testing for **REVALIDATION** as per IS: 2148-2004 (IEC 60079-1/2001) of your **Flameproof/Weatherproof (IP-65) Enclosure for Flood Light Fitting**, designated by **Cat. No.: FLP- 3600** in cast aluminium alloy LM-6 construction, suitable for 250/400W HPMV Lamp or 300/500W GLS Lamp upto 250V (max.) for use in Zone 1 & 2 and Gas Groups: IIC atmosphere only.

- **Report on (REVALIDATION)**

Your Ref. Appli. No.: CMRI/6/74/IIC

Dated: 06/12/07

Dear Sir,

Please find enclosed the **Supplementary Test Report** for **REVALIDATION** of the above sample as per IS: 2148-2004.

The above apparatus was earlier certified as per IS: 2148-1981 vide CIMFR Test Report No. CMRI/TC/H854 Dated: 25/06/1997.

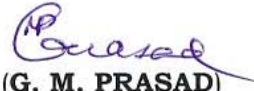
Charges of **Rs. 21, 349/- (Rupees Twenty One Thousand Three hundred Forty Nine only)** including applicable service charges involved towards the testing /issuing the schedule have been adjusted against the advance deposit made by you.

Kindly arrange to collect the sample within 90 days from the date of receipt of this letter failing which CIMFR would dispose off the samples by public auction without any further NOTICE to you.

Kindly acknowledge receipt.
Thanking you,

Yours faithfully,

Encl.: As above
Suppl. Report for Revalidation in Triplicate
Copy to: 1. Head, Flame & Explosion Lab.
2. Bill Section.


(G. M. PRASAD)
HEAD OF THE DEPARTMENT
TESTING CELL