

FLPW 1095

FLAME PROOF INTEGRAL WELL GLASS LUMINAIRE



Mechanical Data

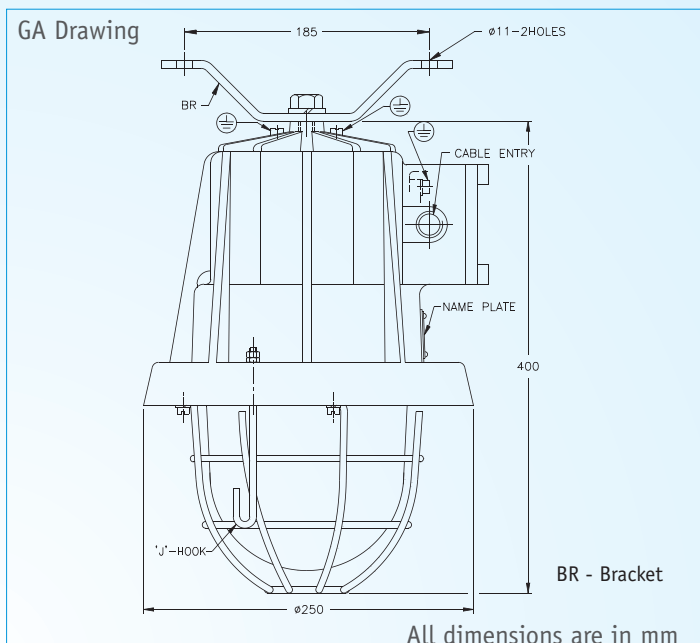
| | |
|---------------|--|
| Material | : Aluminium LM6 |
| Weight | : 9.0 Kg |
| IP Protection | : IP 65 as per IS-12063/1987 (IEC 60529/1989) |
| Finish | : Anti corrosive Epoxy powder coated |
| Cable Entry | : 2 x (0.75 " ET / 0.5 NPT / BSP / M20) |
| Glass | : Toughened Borosilicate |
| Wireguard | : 5 mm Welded Steel / MS Construction |
| Reflector | : Internal SS/ Vitreous enamelled / AL reflector |
| Suspension | : Type 'B' Ceiling bracket (standard) |
| Hinge | : 'J' Hook Arrangement |
| Gasket | : Neoprene |
| Hardware | : Stainless Steel (SS-304) |

Electrical Data

| | |
|-----------------|--|
| Voltage | V : 230 V AC , 50 Hz |
| Lamp Wattage | W : Refer to the chart |
| Lamp Holder | : Porcelain ES Cap-E 27 / E 40/ CFL Lamp holder |
| Wiring | : Fibreglass class F insulated 2.5 sq.mm stranded copper |
| Max. Cable size | : 3C x 6 sq.mm |
| Insulators | : Glass fibre reinforced DMC |
| Earthing | : External 2 Nos - M6 Internal 1 No - M5 |

Description

Explosion proof well glass luminaire with an integral control gear. A toughened clear well glass which is cemented into a retaining ring is bolted to the main body. The control gear along with the lamp holder is mounted on suitable brackets for ease of wiring and proper heat dissipation.



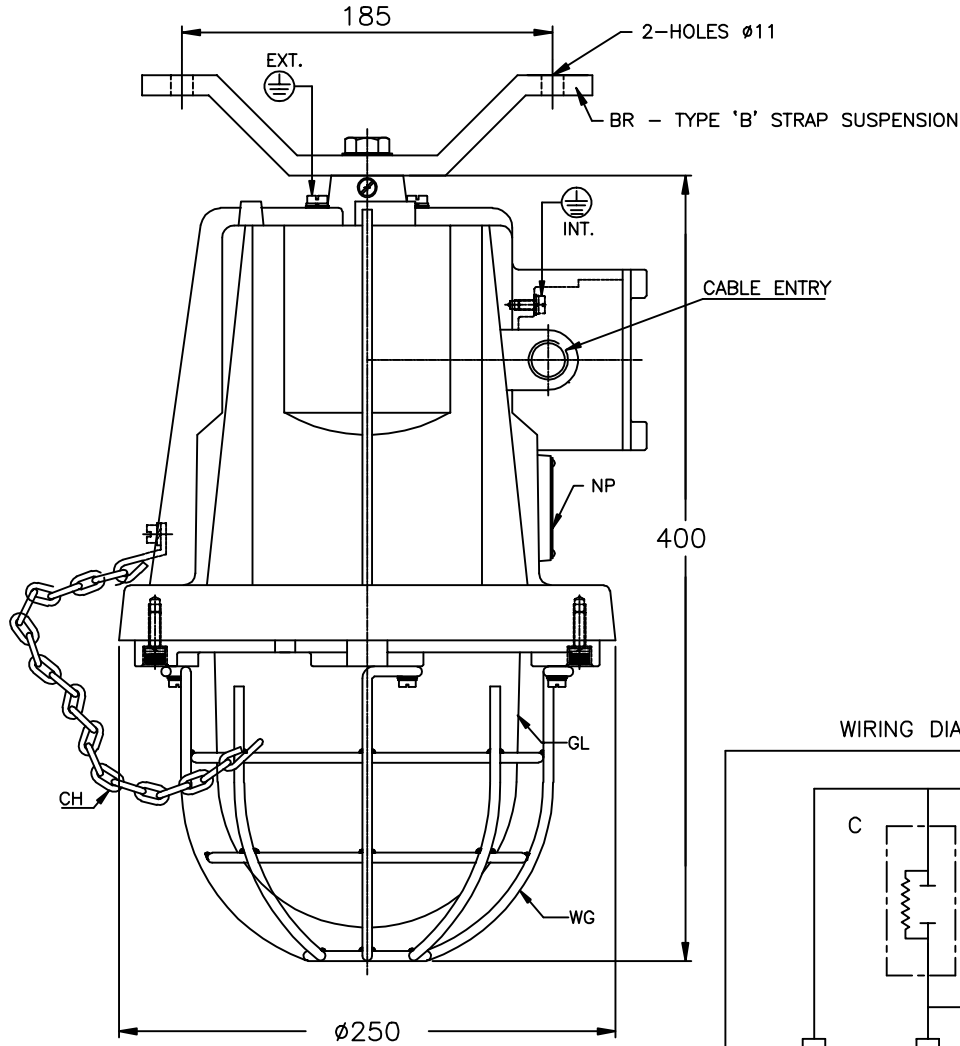
| | |
|-----------------------|--|
| Type of protection | Flame Proof - Exd |
| Area Classification | Zone 1 & 2 |
| Gas Groups | Group I, II A ,II B & II C |
| Apparatus Standard | IS:2148-2004 (IEC 60079-1/2001) IS- 2206 Part I |
| CIMFR Certificate No. | CIMFR/TC/SR/H547 & CIMFR/TC/SR/H1256 |
| Approvals | CCE, BIS |
| Temp Rating | Refer to the chart below. |
| Wattage | Refer to the chart below. |

Note : Separate Control gear box to be used for 250 W HPMV lamp.

| Lamp Rating | Temp Rating |
|-----------------------------|----------------------------|
| 80 W HPMV 250 V ac (max.) | T6 at 30 deg. Cel. Ambient |
| 125 W HPMV 250 V ac (max.) | T4 at 30 deg. Cel. Ambient |
| 250 W HPMV 250 V ac (max.) | T3 at 30 deg. Cel. Ambient |
| 300 W GLS 250 V ac (max.) | T3 at 30 deg. Cel. Ambient |
| 160 W MLL 250 V ac (max.) | T4 at 30 deg. Cel. Ambient |
| 200 W GLS 250 V ac (max.) | T4 at 30 deg. Cel. Ambient |
| 2*11 W CFL 250V ac (max.) | T6 at 30 deg. Cel. Ambient |
| 1*26 W CFL 250V ac (max.) | T6 at 30 deg. Cel. Ambient |
| 1*22 W CFL 250V ac (max.) | T6 at 30 deg. Cel. Ambient |

IF IN DOUBT ASK

DO NOT SCALE



NOTES:

- GL -WELLGLASS (TOUGHENED BOROSILICATE CLEAR GLASS TYPE "A")
- WG -WIRE GUARD (M.S, EPOXY POWDER COATED - WHITE COLOUR)
- CH - CHAIN (SS)
- LAMP TO SUIT -80W HPMV
- LAMP HOLDER -ES PORCELAIN (ES-27)
- INTERNAL REFLECTOR - AL. POLISHED.
- NP - NAME & WARNING PLATE (SS)
- EARTHING -2Nos. EXTERNAL & 1No. INTERNAL
- HARDWARE -SS304

ALL DIMENSIONS ARE IN MM.

| | | | | | | | | | |
|---|-------------------------------|--------------------|---|--|-----------------|----------------------------|------------|-------|--|
| E | CABLE ENTRY: 2Nos. 0.75"ET | | CUSTOMER : - | TITLE : EXPLOSIONPROOF INTEGRAL WELLGLASS LUMINAIRE | | | | | |
| | | | CONSULTANT : - | CAT No. : FLPW-1095 | | | | | |
| F | | | PROJECT : - | CLASSIFICATION : Exd IIC IP65 ZONE 1&2 T5 | | | | | |
| | | | P.O.No. : - | WT.: 9Kgs (APPROX) | MATL.: AL. LM-6 | ITEM No.: - | QTY.: - | | |
| | | | FINISH : EPOXY POWDER COATED LIGHT GREY (SHADE -631 OF IS:5) | TOLERANCE : ±5mm | | FOR INFORMATION ONLY | | | |
| | | | CMRI : CMRI/TC/P/H757 DT.13.07.1998 | IS:13346/04 (IEC:60079-0/00) | SCALE | | | N.T.S | |
| | | | CCE : A/P/HQ/MH/104/752 DT.30.06.04 | IS:2148/04 (IEC:60079-1/01) | NAME | | | DATE | |
| | | BIS : CM/L-0364341 | IS:12063/87 (IEC:60529/89) | REV-1 | | | | | |
| | | | | REV-2 | | | | | |
| | | | | DRN. | S.S | 18.03.09 | DRG. No. | REV | |
| | | | | CHKD. | | | GAF10954 | 0 | |
| | | | | APPD. | | | | | |



Baliga Lighting Equipments Private Limited,
KOVILAMBAKKAM, CHENNAI-600 117, INDIA.

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/H12 56
I.D. No. 745/07

Dated: 31st March, 2008
CODE NO. FLP/204 ZZ/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 enclosure for **Flameproof cum Weatherproof (IP-65) Wellglass Luminaire**, in cast aluminium alloy LM-6 construction designated by **Cat. No.: FLPW-1095B**, suitable for 80W/125W HPMV lamps as Integral Control Gear/250W HPMV/300W GLS lamp at 250Volts (max.) for use in Zone 1 & 2 and Gas Group: IIC atmosphere only.

- Report on (REVALIDATION)

Your Ref. Appl. No.: CMRI/6/214/IIC Dated: 03/12/2007

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 CMRI Test Report No. CMRI/TC/P/H757 Dated: 13/07/1998 and subsequent supplementary/Addendum report nos. mentioned in the schedule of this report.

Charges of **Rs. 24,944/- (Rupees Twenty Four thousand Nine hundred Forty Four only)** including contingency 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,

(G. M. PRASAD)

HEAD OF THE DEPARTMENT
TESTING CELL

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

Page 1 of 6