

- Light Fitting Standard Specification :**
- a) WATTAGE : 20 WATTS
  - b) VOLTAGE : 140V-270V AC
  - c) POWER FACTOR :  $\geq 0.95$
  - d) INPUT FREQUENCY : 50 Hz
  - e) EFFICACY :  $\geq 100$  LUMEN PER WATT
  - f) COLOUR (CCT) : 3000K/5700K/6500K/OR AS SPECIFIED
  - g) CRI :  $\geq 80$  RA
  - h) TOTAL HARMONIC DISTORTION :  $\leq 10\%$  THD
  - i) SURGE PROTECTION : 10 KV SPD
  - j) SURFACE TEMPERATURE : MAX. 70°

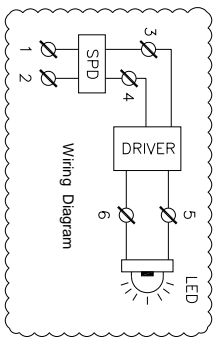
**Light Fitting OPTIONS :**

- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
- 2) VOLTAGE : 220V DC/110V AC/110V DC/24V AC
- 3) GLASS TYPE : FLAT
- 4) LED MAKE : CITIZEN/OSRAM/BRIDGELUX/EQUIVALENT
- 5) DRIVER MAKE : OSRAM/PHILIPS/FULHAM/EQUIVALENT
- 6) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IB, IS/IEC 60079-1 (2014)
  - TEMPERATURE CLASS - T6
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY, LM6
  - 2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS-5
  - 3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
  - 4 - HARDWARE - STAINLESS STEEL
  - 5 - MOUNTING ARGT. - AS SHOWN IN DRG.

**Material / Components Specification :**

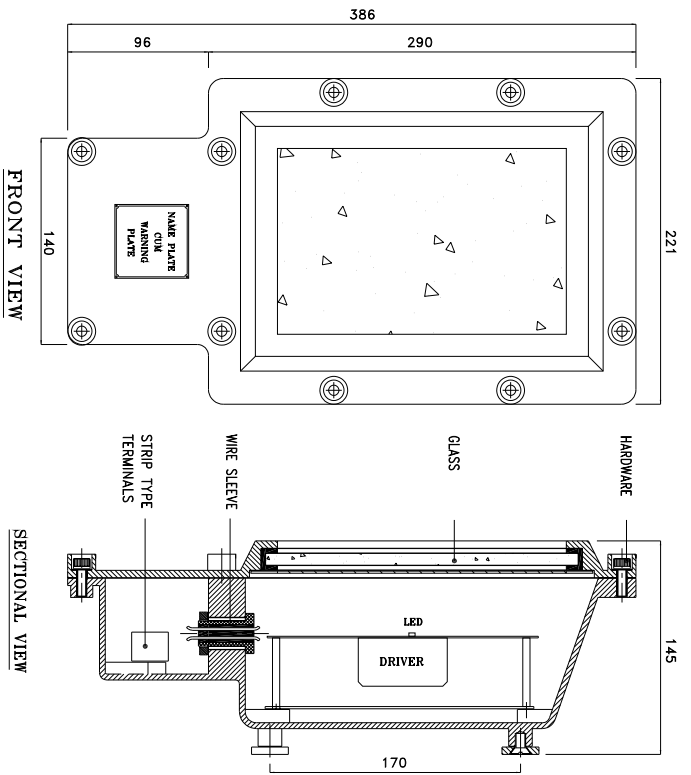
- 1 - S.S. NAME CUM WARNING PLATE (WITH DESCRIPTION TITLE, CIMFR, PESO, SR. NO., GAS GROUP, RATING, BIS MARKING, WARNING STATUS, etc...)
- 2 - GLASS - HEAT RESISTANCE CLEAR TOUGHENED GLASS 'TYPE-A' OF 'SUDHIR' BRAND
- 3 - CABLE ENTRIES - 2 Nos. M20 / 1/2" NPT / 3/4" ET SIZE CABLE ENTRIES FROM SIDE (REFER DRAWING)
- 4 - TERMINALS - 6 Nos. 2.5sq. mm (MICRO) CLIP-ON TYPE TERMINALS OF 'ELMEX/CONNECTWELL' MAKE



**NOTE :**

COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.  
 OVERALL DIMENSIONS ARE  $\pm 10$ mm

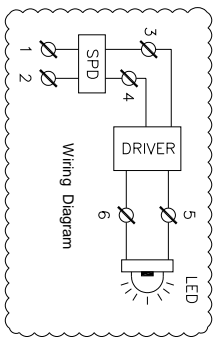
REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No.	MODEL No.:	DRN.	CHNO.	APPO.	SHEET	OF	DR. CERT. No.	PESO No. :	BIS LICENCE No. :
							BH/124	BH/124/20				1	01	IN/CIMFR/TR21/R/1655	PS41157/1	CW/L-0003331365
														Dt. 31/08/2021	Dt. 21/07/2022	



- Light Fitting Standard Specification :**
- a) WATTAGE : 30 WATTS
  - b) VOLTAGE : 140V-270V AC
  - c) POWER FACTOR :  $\geq 0.95$
  - d) INPUT FREQUENCY : 50 Hz
  - e) EFFICACY :  $\geq 100$  LUMEN PER WATT
  - f) COLOUR (CCT) : 3000K/5700K/6500K/OR AS SPECIFIED
  - g) CRI :  $\geq 80$  RA
  - h) TOTAL HARMONIC DISTORTION :  $\leq 10\%$  THD
  - i) SURGE PROTECTION : 10 KV SPD
  - j) SURFACE TEMPERATURE : MAX. 70°

- Light Fitting OPTIONS :**
- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
  - 2) VOLTAGE : 220V DC/110V AC/110V DC/24V AC
  - 3) GLASS TYPE : FLAT
  - 4) LED MAKE : CITIZEN/OSRAM/BRIDGELUX/EQUIVALENT
  - 5) DRIVER MAKE : OSRAM/PHILIPS/FULHAM/EQUIVALENT
  - 6) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IB, IS/IEC 60079-1 (2014)
  - TEMPERATURE CLASS - T6
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY, LM6
  - 2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS-5
  - 3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
  - 4 - HARDWARE - STAINLESS STEEL
  - 5 - MOUNTING ARGGT. - AS SHOWN IN DRG.
- Material / Components Specification :**
- 1 - S.S. NAME CUM WARNING PLATE (WITH DESCRIPTION TITLE, CIMFR, PESO, SR. NO., GAS GROUP, RATING, BIS MARKING, WARNING STATUS, etc...)
  - 2 - GLASS - HEAT RESISTANCE CLEAR TOUGHENED GLASS 'TYPE-A' OF 'SUDHIR' BRAND
  - 3 - CABLE ENTRIES - 2 Nos. M20 / 1/2" NPT / 3/4" ET SIZE CABLE ENTRIES FROM SIDE (REFER DRAWING)
  - 4 - TERMINALS - 6 Nos. 2.5sq. mm (MICRO) CLIP-ON TYPE TERMINALS OF 'ELMEX/CONNECTWELL' MAKE

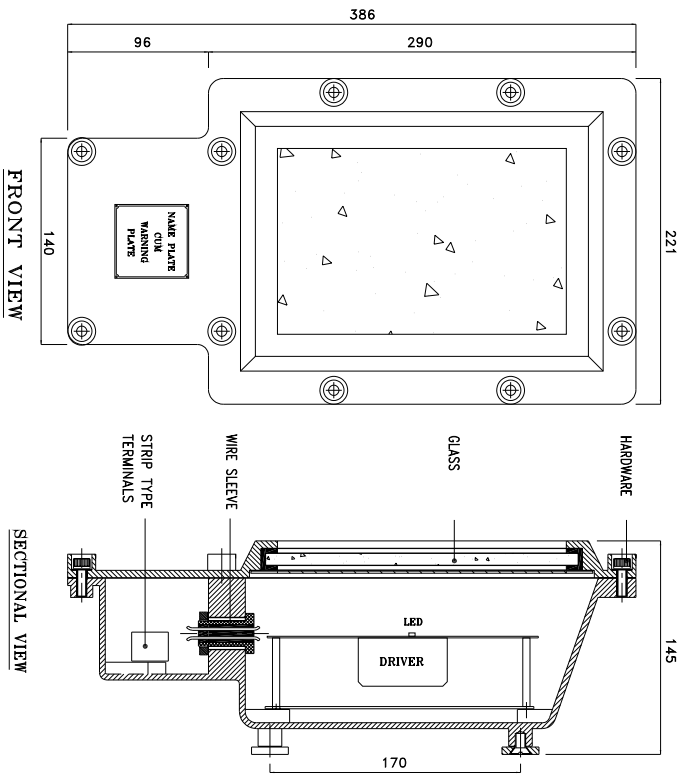


**NOTE :**

COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.  
 OVERALL DIMENSIONS ARE  $\pm 10$ mm

REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No.	MODEL No.:	DRN.	CHKD.	APPO.	SHEET	OF	CMFR. CERT. No.	PESO No. :	BIS LICENCE No. :
							BH/124	BH/124/30				1	01	IN/CIMFR/TR21/R/1655	PS41157/1	CM/L-0003331365
														Dt. 31/08/2021	Dt. 21/07/2022	

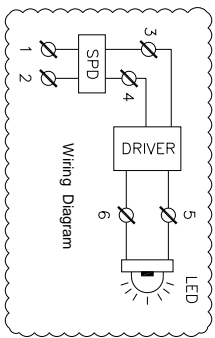
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- Light Fitting Standard Specification :**
- a) WATTAGE : 40 WATTS
  - b) VOLTAGE : 140V-270V AC
  - c) POWER FACTOR :  $\geq 0.95$
  - d) INPUT FREQUENCY : 50 Hz
  - e) EFFICIACY :  $\geq 100$  LUMEN PER WATT
  - f) COLOUR (CCT) : 3000K/5700K/6500K/OR AS SPECIFIED
  - g) CRI :  $\geq 80$  RA
  - h) TOTAL HARMONIC DISTORTION :  $\leq 10\%$  THD
  - i) SURGE PROTECTION : 10 KV SPD
  - j) SURFACE TEMPERATURE : MAX. 70°

- Light Fitting OPTIONS :**
- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
  - 2) VOLTAGE : 220V DC/110V AC/110V DC/24V AC
  - 3) GLASS TYPE : FLAT
  - 4) LED MAKE : CITIZEN/OSRAM/BRIDGELUX/EQUIVALENT
  - 5) DRIVER MAKE : OSRAM/PHILIPS/FULHAM/EQUIVALENT
  - 6) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM

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- 1 - MATERIAL - CAST ALUMINIUM ALLOY, LM6
  - 2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS:5
  - 3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
  - 4 - HARDWARE - STAINLESS STEEL
  - 5 - MOUNTING ARGT. - AS SHOWN IN DRG.
- Material / Components Specification :**
- 1 - S.S. NAME CUM WARNING PLATE (WITH DESCRIPTION TITLE, CIMFR, PESO, SR. NO., GAS GROUP, RATING, BIS MARKING, WARNING STATUS, etc....)
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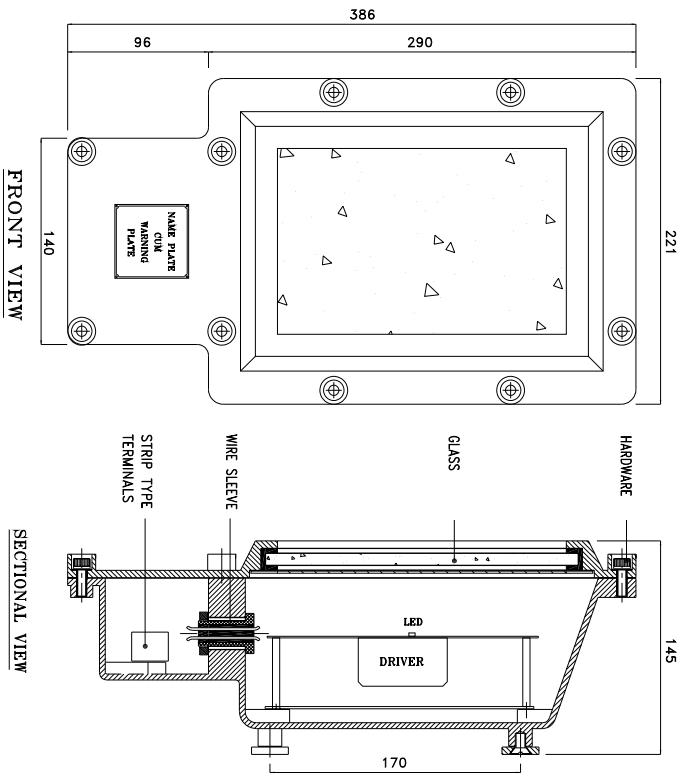


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REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No.	MODEL No.:	DRN.	CHNO.	APPO.	SHEET	OF	DR. CERT. No.	PESO No. :	BIS LICENCE No. :
							BH/124	BH/124/40				1	01	IN/CIMFR/TR21/R/1655	P541157/1	CM/L-0003531365
														Dt. 31/08/2021	Dt. 21/07/2022	

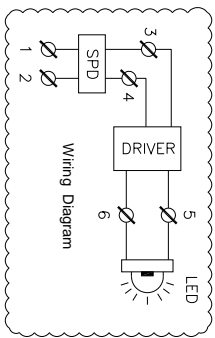
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- Light Fitting Standard Specification :**
- a) WATTAGE : 45 WATTS
  - b) VOLTAGE : 140V-270V AC
  - c) POWER FACTOR :  $\geq 0.95$
  - d) INPUT FREQUENCY : 50 Hz
  - e) EFFICACY :  $\geq 100$  LUMEN PER WATT
  - f) COLOUR (CCT) : 3000K/5700K/6500K/OR AS SPECIFIED
  - g) CRI :  $\geq 80$  RA
  - h) TOTAL HARMONIC DISTORTION :  $\leq 10\%$  THD
  - i) SURGE PROTECTION : 10 KV SPD
  - j) SURFACE TEMPERATURE : MAX. 70°

- Light Fitting OPTIONS :**
- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
  - 2) VOLTAGE : 220V DC/110V AC/110V DC/24V AC
  - 3) GLASS TYPE : FLAT
  - 4) LED MAKE : CITIZEN/OSRAM/BRIDGELUX/EQUIVALENT
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- OVERALL DIMENSIONS ARE  $\pm 10$ mm

<p><b>NOTE :</b></p> <ul style="list-style-type: none"> <li>COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS &amp; COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.</li> <li>OVERALL DIMENSIONS ARE <math>\pm 10</math>mm</li> </ul>		<p>CAT. No. <b>BH/124</b></p> <p>MODEL No.: <b>BH/124/45</b></p> <p>DRN. : .....</p> <p>APPR. : .....</p> <p>SHEET : 1 OF 1</p> <p>SCALE : N. T. S. REV.-0</p>
<p>DRN. : .....</p> <p>CHKD. : .....</p> <p>APPR. : .....</p> <p>SHEET : 1 OF 1</p> <p>SCALE : N. T. S. REV.-0</p>	<p>DRN. : .....</p> <p>CHKD. : .....</p> <p>APPR. : .....</p> <p>SHEET : 1 OF 1</p> <p>SCALE : N. T. S. REV.-0</p>	<p>DRN. : .....</p> <p>CHKD. : .....</p> <p>APPR. : .....</p> <p>SHEET : 1 OF 1</p> <p>SCALE : N. T. S. REV.-0</p>
<p><b>SUDHIR SWITCHGEARS PVT. LTD.</b>                  130, MULBERA SAMAGHER MARG, MULBERA - 400 023</p> <p>TITLE : <b>FLAMEPROOF ENCLOSURE FOR BULK HEAD LIGHT FITTING SUITABLE FOR 45 WATTS LED</b></p> <p>QMR. CERT. No. : <b>IN/CIMFR/TR21/R/1655</b> Dt. 31/08/2021</p> <p>PESO No. : <b>P541157/1</b> Dt. 21/07/2022</p> <p>BIS LICENCE No. : <b>CM/L-0003531365</b></p>		

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