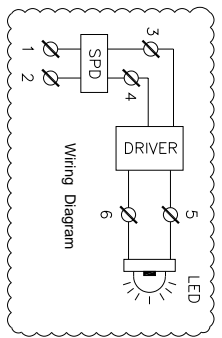


- Light Fitting Standard Specification :
- a) WATTAGE : 20 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 Hz
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤ 10%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

- Reference IS/IEC Standard as follows :
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 'ELMEY/CONNECTWELL' MAKE

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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.

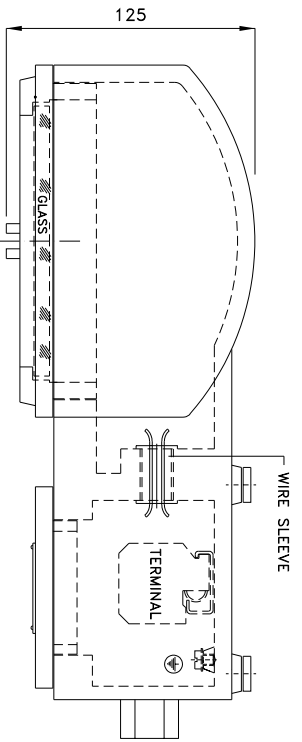
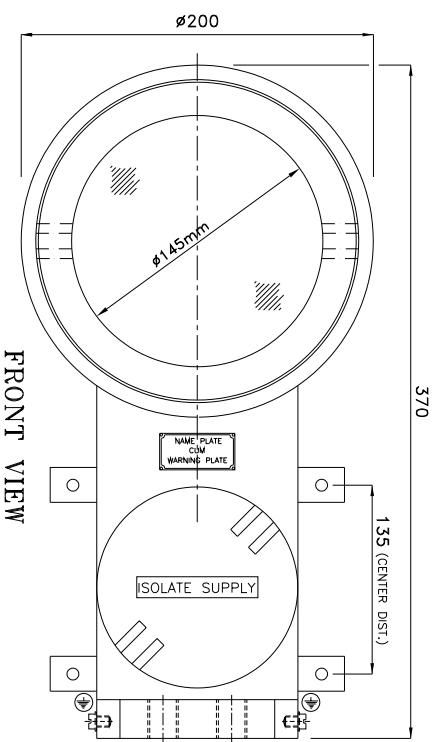


NOTE :

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

REV.	DATE	DESCRIPTION	DRN.	CHD.	APPD.	SCALE	CAT. No.	MODEL No.	TITLE :	DRN. No.	PROJ. No.	CHD. No.	APPD. No.	SHEET No.	OF	REV.	DRG. No.	PESO No. :	BIS LICENCE No. :
Δ							BH/2C/2009	BH/2009/20	FLP-WIP ENCLOSURE FOR BULK HEAD LIGHT FITTING SUITABLE FOR 20 WATTS LED LIGHT FITTING	130, MULBETA SAMAGHAR MARG, MULBETA - 400 023				1	1	0	IN/CIMFR/TR22/R/H455	P543200/1	CW/L-000331365
Δ																			
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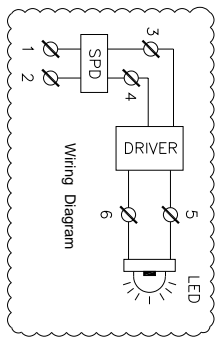


- Light Fitting Standard Specification :**
- a) WATTAGE : 30 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 HZ
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤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

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 'ELMEY/CONNECTWELL' MAKE

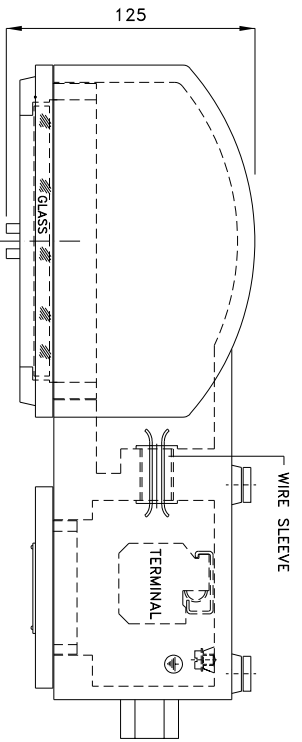
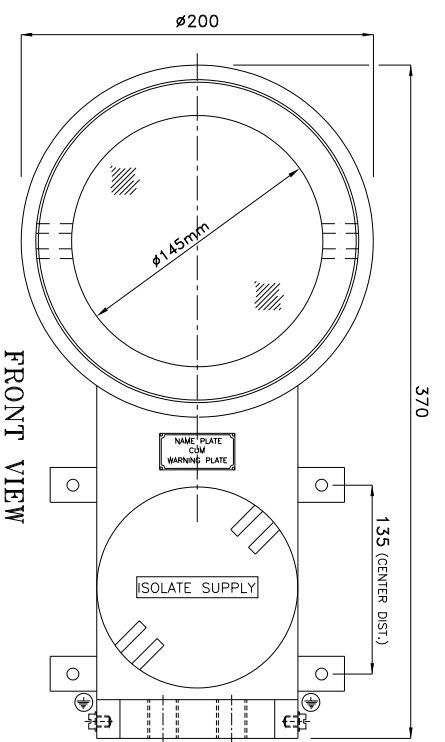
Light Fitting OPTIONS :

- 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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.



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<p>NOTE :</p> <p>COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.</p> <p>OVERALL DIMENSIONS ARE ±10mm</p>		<p>CAT. No. : BH/2C/2009</p> <p>MODEL No. : BH/2009/30</p> <p>DRN. : profili</p> <p>CHKD. : JASHAKH</p> <p>APPD. : .</p> <p>SHEET : 1 OF 1</p> <p>SCALE : N. T. S. REV. : 0</p>				
<p>SUDHIR SWITCHGEARS PVT. LTD.</p> <p>130, MULBETA SAMACHAR MARG, MULBETA - 400 023</p> <p>TITLE : FLP-WIP ENCLOSURE FOR BULK HEAD LIGHT FITTING SUITABLE FOR 30 WATTS LED LIGHT FITTING</p> <p>CHKD. CERT. No. : IN/CIMFR/TR22/R/H455</p> <p>Dt. : 17/02/2022</p>		<p>PESO No. : P543200/1</p> <p>Dt. : 05/09/2022</p> <p>BIS LICENCE No. : CM/L-0003531365</p>				
REV.	DATE	DESCRIPTION	DRN.	CHKD.	APPD.	SCALE
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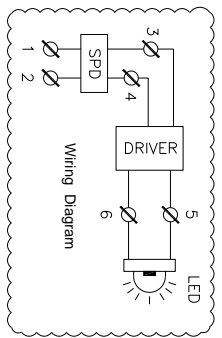


- Light Fitting Standard Specification :**
- a) WATTAGE : 40 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 HZ
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤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

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 'ELMEY/CONNECTWELL' MAKE

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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.



NOTE :

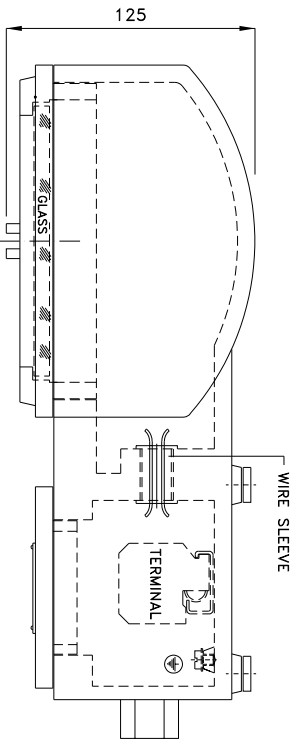
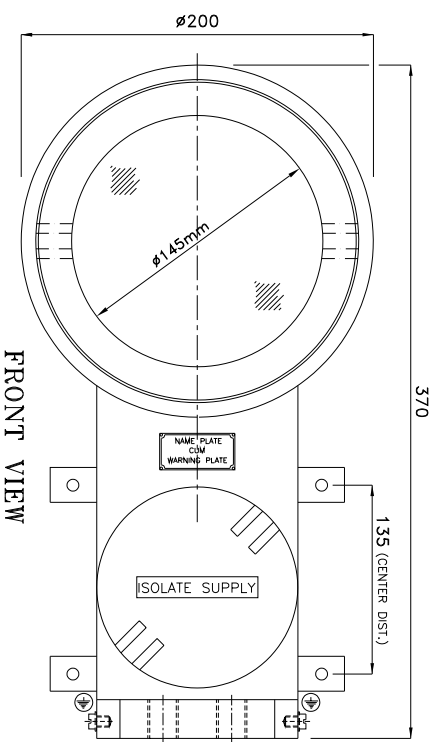
COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.
OVERALL DIMENSIONS ARE ±10mm

REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No. BH/2c/2009	MODEL No. BH/2009/40	DRN. profile	CHNO. JASKHW	APPO.	SHEET 1 OF 1	DR. N. T. S.	REV.-0	CIMFR CERT. No. IN/CIMFR/TR22/R/H455	PESO No. : P543200/1	BIS LICENCE No. : CM/L-000331365
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SUDHIR SWITCHGEARS PVT. LTD.
130, MULBETA SAMAGHAR MARG, MULBETA - 400 023

TITLE : **FLP-WIP ENCLOSURE FOR BUJK HEAD LIGHT**
FITTING SUITABLE FOR 40 WATTS LED LIGHT FITTING

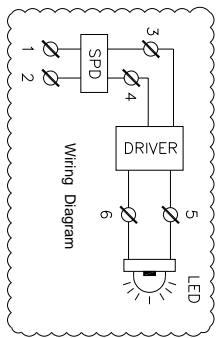


- Light Fitting Standard Specification :**
- a) WATTAGE : 45 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 HZ
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤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

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 TOUCHENED 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 'ELMEY/CONNECTWELL' MAKE

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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.



NOTE :

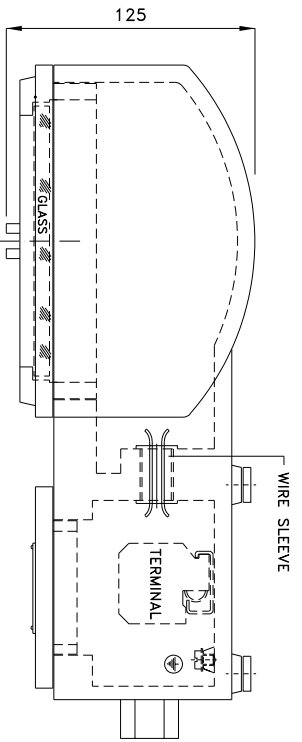
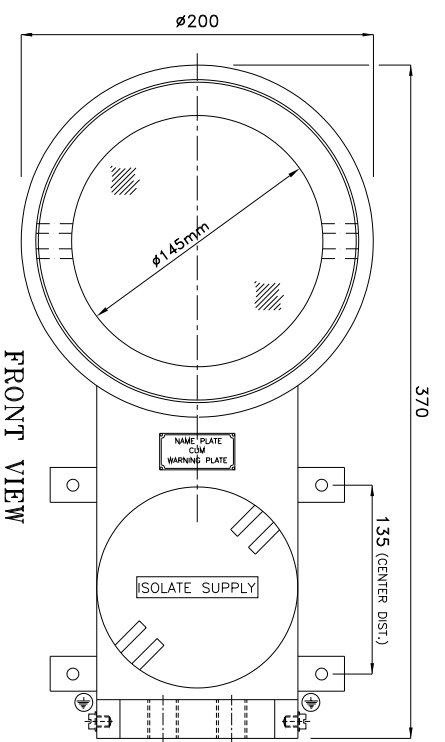
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OVERALL DIMENSIONS ARE ±10mm

REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No. BH/2c/2009	MODEL No. BH/2009/45	DRN. profile KASHAK	CHNO. APPD.	SHEET 1 OF 1	IN/CIMFR/TR22/R/H455	DR. 17/02/2022	DESIGN No. P543200/1	PESO No. : Dt. 05/09/2022	BIS LICENCE No. : CM/L-0003531365
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SUDHIR SWITCHGEARS PVT. LTD.
130, MULBERRY SAMAGHAR MARG, MULBERRY - 400 023

TITLE : **FLP-WIP ENCLOSURE FOR BUJK HEAD LIGHT**
FITTING SUITABLE FOR 45 WATTS LED LIGHT FITTING

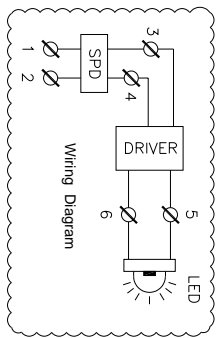


- Light Fitting Standard Specification :**
- a) WATTAGE : 50 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 HZ
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤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

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 'ELMEY/CONNECTWELL' MAKE

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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.



NOTE :

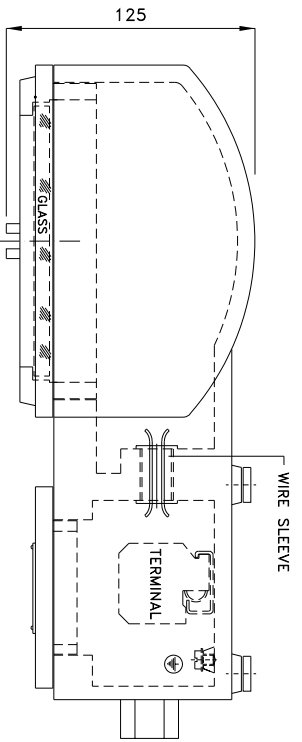
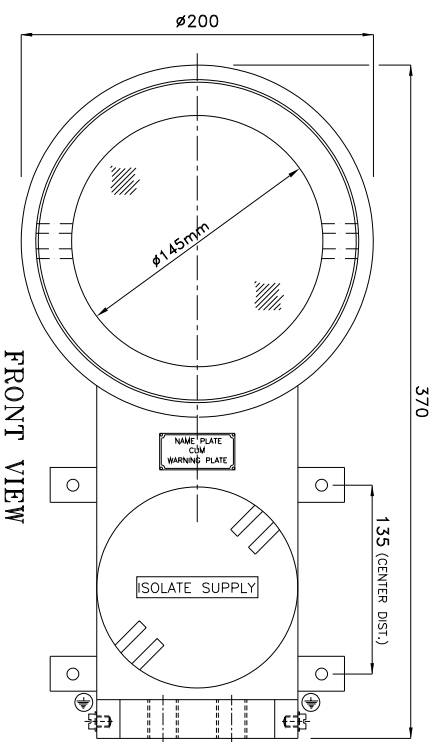
COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.
OVERALL DIMENSIONS ARE ±10mm

REV.		DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No. BH/2c/2009	MODEL No. BH/2009/50	DRN. profile	CHNO. JASHAKH	APPO.	SHEET 1 OF 1	N. T. S.	REV.-0	QMR. CERT. No. IN/CIMFR/TR22/R/H455	PESO No. : P543200/1	BIS LICENCE No. : CM/L-0003331365
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SUDHIR SWITCHGEARS PVT. LTD.
130, MULBETA SAMAGHAR MARG, MULBETA - 400 023

TITLE : **FLP-WIP ENCLOSURE FOR BULK HEAD LIGHT FITTING SUITABLE FOR 50 WATTS LED LIGHT FITTING**

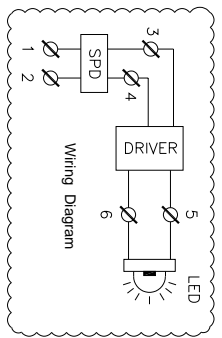


- Light Fitting Standard Specification :**
- a) WATTAGE : 60 WATTS
 - b) VOLTAGE : 140V-270V AC
 - c) POWER FACTOR : >0.95
 - d) INPUT FREQUENCY : 50 HZ
 - e) EFFICACY : >100 LUMEN PER WATT
 - f) COLOUR (CCT) : 3000K/5700K/6500K/
OR AS SPECIFIED
 - g) CRI : >80 RA
 - h) TOTAL HARMONIC DISTORTION : ≤ 10% THD
 - i) SURGE PROTECTION : 10 KV SPD
 - j) SURFACE TEMPERATURE : MAX. 70°

- Reference IS/IEC Standard as follows :**
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & IIC, IS/IEC 60079-1 (2014)
 - TEMPERATURE CLASS - T6
 - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :**
- 1 - MATERIAL - CAST ALUMINIUM ALLOY
 - 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 - GASKET - 'O' RING ENDLESS NEOPRENE RUBBER GASKET
 - 6 - MOUNTING ARRGT. - 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 'ELMEY/CONNECTWELL' MAKE

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
- 7) WIRE GUARD : M.S. WHITE EPOXY POWDER
COATED / S.S.



NOTE :

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

REV.	DATE	DESCRIPTION	DRN.	CHNO.	APPO.	SCALE	CAT. No. BH/2C/2009	MODEL No. BH/2009/50	DRN. profile	CHNO. JASHAKH	APPO.	SHEET 1 OF 1	N. T. S.	REV.-0	CIMFR CERT. No. IN/CIMFR/TR22/R/H455	PESO No. : P543200/1	BIS LICENCE No. : CM/L-0003531365
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SUDHIR SWITCHGEARS PVT. LTD.
130, MULBETA SAMAGHAR MARG, MULBETA - 400 023

TITLE : **FLP-WIP ENCLOSURE FOR BULK HEAD LIGHT FITTING SUITABLE FOR 60 WATTS LED LIGHT FITTING**