



H.I.D. HIGH INTENSITY DISCHARGE LIGHTING FIXTURES



TIS 1955-2542

ISO9001:2008

Technical data

Type of Protection: Ex de IIA T3 - T5
 Conforming to : Standards IEC 60079-0 to 1 or UL 60079-1
 Marking for test : Ex II2G
 Degree of Protection : IP 67 acc.to IEC 600529
 Ambient Temp. (Ta) : -20°C to+ 55°C
 Rated Voltage : 220-240V.AC. 50/60Hz.
 Type : H
 Lamp : Mercury vapour ,High pressure sodium and Metal halide
 Lamp holder : E27 , E40
 Transparent cover : Borosilicate glass
 Protection class for UL. : Class I, Division1 or 2 Group.C,D
 Class II, Division1 or 2 Groups.E,F,G
 Class III
 Protection class for IEC : Zone1and Zone 2

Applications:

The *H.I.D.* Lighting fixtures are suitable to use for hazardous locations due to the presence of flammable gas or vapors, combustible dusts, refineries, petrochemical plants, and in other process areas. indoor, outdoor or wet and corrosive locations.

Features:

- Factory sealed,no external seals required, easy installation.
- Integral ballast, ignitor and condenser for power factor correction completed in ballast housing.
- Ballast and fixture body are isolated to minimize heat interference to each other.
- Fixture body with multi-finned for maximum heat dissipation.
- Body and ballast housing are made from copper-free aluminium alloy and coated with epoxy-polyester powder for high corrosion resistant.
- Heat and impact resistant glass globes.
- Stainless steel guard for additional protecting the light source.
- Easy for lamp replacement.
- Terminal block suitable for 4 sqmm. Cable and one earth terminal are provided.
- Ballast meet EN61000-3-2 , EN55015 ,EN60923
- Many type of mounting e.g. pendant, bracket and stanchion

Standard Materials:

- Body and ballast housing - Copper-Free aluminium
- Globe - Heat and impact resistant glass
- Guard - Stainless steel
- Reflector - sheet Chromium plated or epoxy-polyester white color and Anodized aluminium



BALLAST HOUSING



REFLECTOR

Standard Finishes:

- Copper-free aluminium - Epoxy-polyester power coated.
- Stainless steel - Natural
- Sheet - Natural
- Anodized aluminium - Natural

Options:

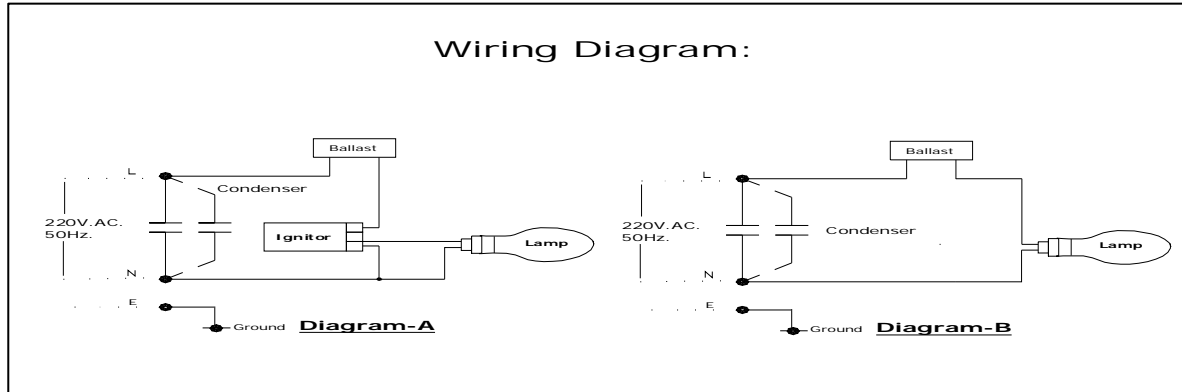
Stainless steel bracket add - suffix - *B* to Cat. No.
 Guard (Stainless steel) add - suffix - *S* to Cat. No.
 Reflector aluminium add suffix - *A* to Cat. No.
 Reflector sheet add suffix - *H* to Cat. No.

H.I.D. HIGH INTENSITY DISCHARGE LIGHTING FIXTURES

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-0/1 to 1 Standard Zone 1 and Zone 2



Catalogue Numbers:

Lamp Type	Lamp Watts	Hub Size NPT.(inch)	wiring Diagram	Temp.Class(Surface Temp.)		Catalogue Number				Lamp Holders.
				40 C Ta	55 C Ta	Pendant	Bracket	Stanchion	Ballast Housing	
Mercury Vapor	80	1/2"	Diagram-B	T5	T5	HMV 80P	HMV 80B	HMV 80S	BAL MV 80	E 27
	125	1/2"	Diagram-B	T5	T5	HMV 125P	HMV 125B	HMV 125S	BAL MV 125	E 27
	250	3/4"	Diagram-B	T4	T3C	HMV 250P	HMV 250B	HMV 250S	BAL MV 250	E 40
	400	3/4"	Diagram-B	T3A	T3	HMV 400P	HMV 400B	HMV 400S	BAL MV 400	E 40
High Pressure Sodium	70	1/2"	Diagram-B	T5	T5	HPS 70P	HPS 70B	HPS 70S	BAL PS 80	E 27
	150	3/4"	Diagram-A	T4	T4	HPS 150P	HPS 150B	HPS 150S	BAL PS 125	E 40
	250	3/4"	Diagram-A	T4	T3C	HPS 250P	HPS 250B	HPS 250S	BAL PS 250	E 40
	400	3/4"	Diagram-A	T3C	T3A	HPS 400P	HPS 400B	HPS 400S	BAL PS 400	E 40
Metal Halide	250	3/4"	Diagram-A	T3	T2D	HMH 250P	HMH 250B	HMH 250S	BAL MH 250	E 40
	400	3/4"	Diagram-B	T3B	T3A	HMH 400P	HMH 250B	HMH 400S	BAL MH 400	E 40
Mercury Tungsten	160	1/2"	-	T4A	T4A	HMT 160P	HMT 160B	HMT 160S	-	E 27
	250	3/4"	-	T3C	T3C	HMT 250P	HMT 250B	HMT 250S	-	E 40

Type	Pendant	Bracket		Pendant	Bracket		Pendant	Bracket
Lamp Watts.	70 - 125			250			400	
Weight (kgs.)	5.30	6.00		8.8	11.20		12.00	13.00
Ballast Housing (watts)	70 - 125			250			400	
Weight (kgs.)	7.60			9.60			10.60	

H.I.D. HIGH INTENSITY DISCHARGE LIGHTING FIXTURES



Bosston

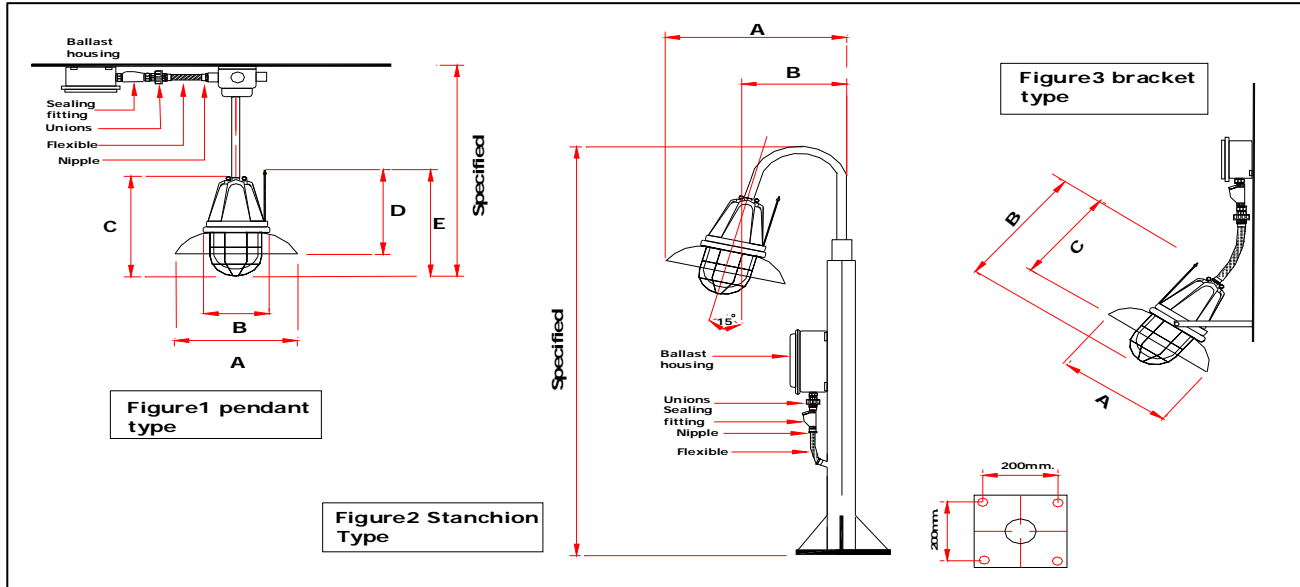
A QUALITY PRODUCT

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-0/1 to 1 Standard Zone 1 and Zone 2

Dimension In MM.



Lamp watts	Stanchion Type		Pendant Type					Bracket Type		
	A	B	A	B	C	D	E	A	B	C
Mercury Vapor										
80 ,125w.	740	415	364	230	376	345	308	364	308	345
250w.	740	415	364	292	449	359	449	364	449	359
400w.	780	415	475	340	497	407	497	475	497	407
High Pressure Sodium										
70w.	740	415	364	230	376	345	308	364	308	345
150 ,250w.	740	415	364	292	449	359	449	364	449	359
400w.	780	415	475	340	497	407	497	475	497	407
Metal Halide										
250w.	740	415	364	292	449	359	449	364	449	359
400w.	780	415	475	340	497	407	497	475	497	407
Mercury Tungsten										
160w.	740	415	364	292	449	359	449	364	449	359
250w.	780	415	475	340	497	407	497	475	497	407

Note:

* The lighting fixture is inclusively supplied ballast housing and other fittings for installation.

