FLUORESCENT FIXTURES FOR HAZARDOUS LOCATIONS

Bosston
A QUALITY PRODUCT
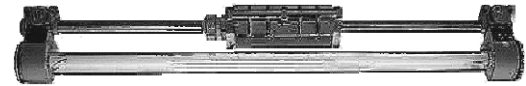
TIS 1955-2542

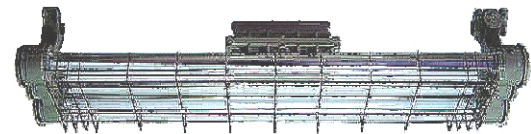UKAS MANAGEMENT SYSTEMS 005

ISO9001:2008

Technical data

Type of Protection: Ex de IIA T6

Conforming to   : Standards IEC 60079-0/1 or UL 60079-1

Marking for test   : Ex II2G

Degree of Protection : IP66/67 acc.To IEC 60529

Ambient Temp. (Ta)   : -20°C to+ 50°C

Rated Voltage   : 220-240V.AC. 50/60Hz.

Type   :FNR (Ceiling)

Lamp : Fluorescent 18/20w., 36/40w.Socket G13

Ballast   : Rabit - Start 20,40w. or Electronic 18,36w.

Enclosure entry holes : Direct entry 2 x 3/4" NPT. (for pendant type)

Power factor cos   : P.F. $\geq$ 0.95

Protection class for UL. : Class I, Divition1 or 2 Group.C,D

                     Class II, Divition 1 or 2 Groups.E,F,G

                     Class III

Protection class for IEC : Zone1and Zone 2

Options   : Fixture hangle box 2 way 2x3/4" (for pendant type)

               Stopping plug 1x3/4" and Ceilling Saddle 1x3/4"

Transparent cover   : Borosilicate - glass

Reflector   : High grade aluminium anodised reflector

Weight   : 12 kg

TYPE FNR 240

TYPE FNR 140

TYPE FNR 240 G with Guard

Applications:

The *FNR* Fluorescent Lighting Fixtures are suitable to use for

illuminating in hazardous locations due to the presence of

flammable hases or vapors, combustible dusts.

Indoor,Outdoor or wet and corrosive locations.

Ceiling mounting and most suitable for low ceiling buildings.

Features:

- Factory sealed,external seals not required.

- Body is made from copper free aluminium alloy and

  coated with epoxy-polyester powder for high corrosion resistant.

- Reflectors can be removed, replaced, adjusted with

  only a screwdrive.

- Easy to install.Factory sealed and wired Fixture Facilitates installation

- Ballast meet IEC 60928/TIS885-2532 , TIS 1955-2542

- Heavy-duty glass lamp tubes provide maximum strength

  and impact resistance to protect lamps.

Standard Materials:

- Body - Copper-Free aluminum except sheet aluminum alloy

- Blrrocilicate glass, heat and impact resistant.

- Reflector - Anodized aluminum

Standard Finishes:

- Copper-free aluminium - Epoxy-polyester power coated.

- Stainless steel - Natural

- Sheet - Epoxy - polyester powder coated.

Options:

For suitability for locations and locations having deposits

of readily combustible paint residue add- suffix - *D*

Guard (Stainless steel) add - suffix - *G*

Reflector aluminium , add suffix - *A*

Emergency power pack, add- suffix - *E*

Bosston

A QUALITY PRODUCT
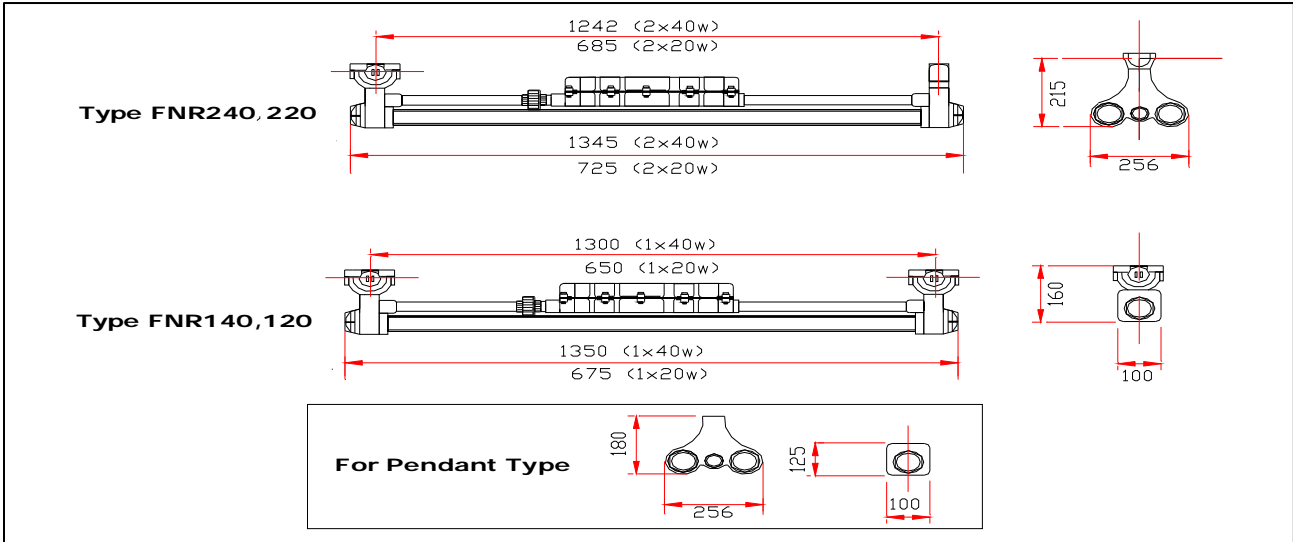
FLUORESCENT FIXTURES FOR HAZARDOUS LOCATIONS

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 Standard Zone 1 and Zone 2

A QUALITY PRODUCT

Dimension In MM.

Type FNR240,220
- 1242 (2×40w)
- 685 (2×20w)
- 1345 (2×40w)
- 725 (2×20w)
- 215
- 256

Type FNR140,120
- 1300 (1×40w)
- 650 (1×20w)
- 1350 (1×40w)
- 675 (1×20w)
- 160
- 100

For Pendant Type
- 180
- 125
- 256
- 100

Catalogue Numbers:

Lamp Watts:	Ceiling Cat.,No.	Weight (kgs.)	Pendant Cat.,No.	Weight (kgs.)	Ceiling — With Guard Cat.,No.	Weight (kgs.)	Pendant — With Guard Cat.,No.	Weight (kgs.)
1 x 18w.	FNR 120	3.80	FNR 120P	3.00	FNR 120 G	4.20	FNR 120GP	3.40
1x36w.	FNR 140	7.60	FNR 140P	6.80	FNR 140 G	8.40	FNR 140GP	7.60
2X18W.	FNR 220	5.80	FNR 220P	4.80	FNR 220 G	6.40	FNR 220GP	5.40
2X36W.	FNR 240	11.60	FNR 240P	10.60	FNR 240 G	12.80	FNR 240GP	11.80

Typical Installations

Fluorescent Lamp

EYK,Unions   Nipple¾"   Stopping Plug¾"NPT.

Line

Figure1 Ceiling Type

DCHC22   Wall   VH2

Line

Seal Compound

EYS
NIPPLE¾"
Unions

SPECIFIED

Figure2 Pendant Type