

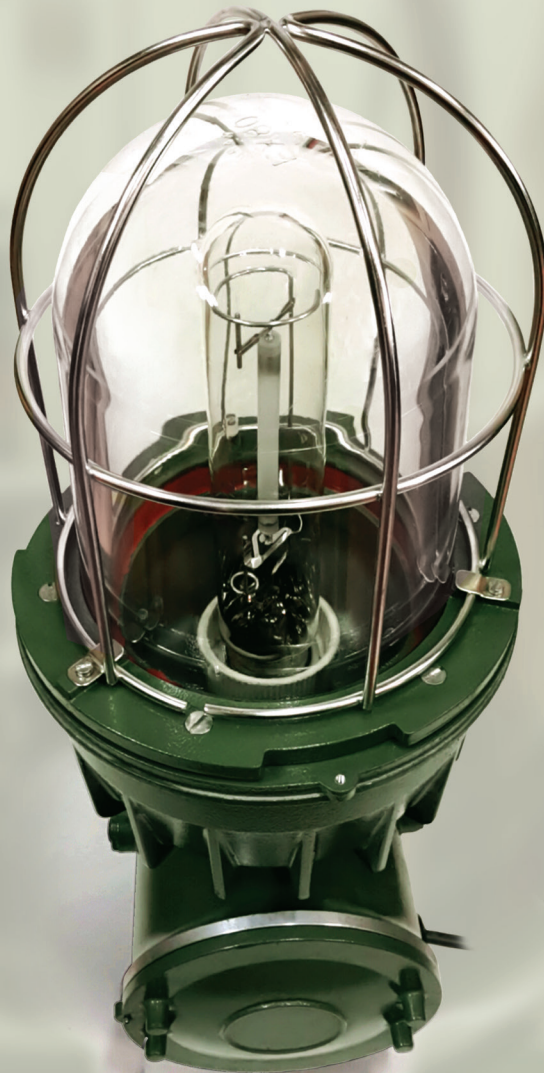
شرکت تولیدی و مهندسی نوآوران تجهیزات ایمن برق



**NATIB Mfg. & Eng. Co.**

**NoAvarun Tajhyzat Imen Bargh**

**Explosion Proof High Bay Lighting Fixture  
EHBAY Series**



**EHBAY** Explosion Proof Lighting Fixtures, consist of Aluminum body, Heat Resistant Tempered Glass Globe, constructed as Flame-Proof High Bay fixture with highly resistant against water and dust penetration, having sufficient impact resistance, proper efficiency and light emission, manufactured under ATEX mandatory rules for safe operation in zone 1 or zone 2 hazardous areas.

The EHBAY Fixtures are designed in variety of models, equipped with special facilities in order to meet the needs of different Lamp types, i.e. Incandescent, Energy Saving, Discharge and LED, each type in various power range, with the specific ref. codes.

### Certification Data

- Certificate no.: ECM 19 ATEX 4952 X
- Marking:  II 2 G Ex db IIC T... Gb IP66
- Service temperature range:  $-20^{\circ}\text{C} \leq T_{\text{amb.}} \leq +55^{\circ}\text{C}$

### Standards

- EN 60079-0:2018
- EN 60079-1
- EN 60079-31
- EN 60529:1992+A2:2013

### Mechanical Features

- Aluminum alloy body material
- Heat Resistant Tempered Glass Globe
- Silicone Gasket
- Stainless Steel Bolts & Earth Screws
- M25 Iso Metric or  $\frac{3}{4}$  " NPT thread entries
- Electro Static Epoxy coating RAL 6003 (Olive Green)

### Electrical Features

- Lamp type and power variation according to standard production table
- Suitable Ballasts or Power Units in accordance with the Lamps variety
- 230 V AC rated Voltage
- 50 Hz rated Frequency
- 0.96 Power Factor
- Silicone wire with Copper conductor, heat resistance, direct connection to Terminal Strip L, N, PE Section 4 mm<sup>2</sup>

### Options on Request

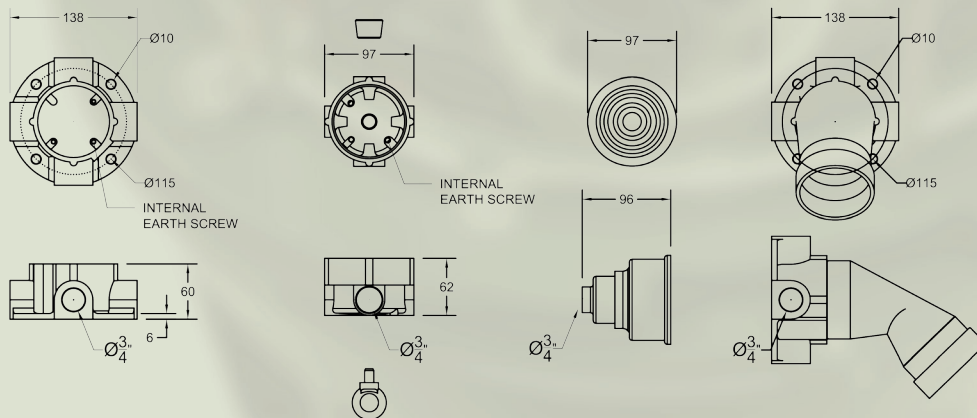
- Brackets for different mounting methods
- Through Wiring
- Lamps, Glands, Stopping Plugs
- Different Painting Color in RAL Standard Basis
- Protective Guard
- External Reflector
- Cable entries in different threading sizes and standards



Production Table

| Code        | Lamp Type     | Max. Watt | Lamp Holder | Temperature Class | Dimension (mm) |
|-------------|---------------|-----------|-------------|-------------------|----------------|
| EHBAY-10I   | Incandescent  | 200       | E27         | T3                | 206×170        |
| EHBAY-10EL  | Linear Tubes  | 23        | E27         | T5                | 206×170        |
| EHBAY-10AL  | Halogen       | 140       | E27         | T3                | 206×170        |
| EHBAY-10ELS | Spiral Tubes  | 23        | E27         | T5                | 206×170        |
| EHBAY-10LED | LED           | 12        | E27         | T6                | 206×170        |
| EHBAY-20I   | Incandescent  | 300       | E40         | T3                | 373×220        |
| EHBAY-20EL  | Linear Tubes  | 33        | E27         | T6                | 373×220        |
| EHBAY-20MIX | Mixed Light   | 250       | E40         | T3                | 373×220        |
| EHBAY-20ELS | Spiral Tubes  | 42        | E27         | T5                | 373×220        |
| EHBAY-30I   | Incandescent  | 500       | E40         | T3                | 433×280        |
| EHBAY-30MIX | Mixed Light   | 500       | E40         | T3                | 433×280        |
| EHBAY-30ELS | Spiral Tubes  | 105       | E27         | T5                | 433×280        |
| EHBAY-25N   | Sodium Vapor  | 250       | E40         | T3                | 550×235        |
| EHBAY-25IM  | Metal Halide  | 250       | E40         | T3                | 550×235        |
| EHBAY-25F   | Mercury Vapor | 250       | E40         | T3                | 550×235        |
| EHBAY-40N   | Sodium Vapor  | 400       | E40         | T3                | 677×280        |
| EHBAY-40IM  | Metal Halide  | 400       | E40         | T3                | 677×280        |
| EHBAY-40F   | Mercury Vapor | 400       | E40         | T3                | 677×280        |
| EHBAY-20L   | LED           | 20        | —           | T6                | 206×170        |
| EHBAY-40L   | LED           | 40        | —           | T6                | 373×220        |
| EHBAY-80L   | LED           | 80        | —           | T5                | 433×280        |
| EHBAY-30C   | COB           | 30        | —           | T5                | 206×170        |
| EHBAY-70C   | COB           | 70        | —           | T4                | 373×220        |
| EHBAY-100C  | COB           | 100       | —           | T4                | 433×280        |

## Mounting Accessories



Ceiling Mounting

Pendant Mounting  
With Eye Bolt

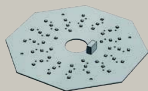
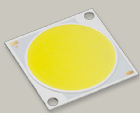
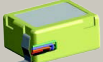
Pendant Mounting

Wall Mounting  
With 30° Bracket

## Accessories and Spare Parts

| Illustration                                                                        | Description                      | Model         | Features             |
|-------------------------------------------------------------------------------------|----------------------------------|---------------|----------------------|
|    | Incandescent                     | EHBAY- 10 I   | Up to 200 Watt       |
|                                                                                     |                                  | EHBAY- 20 I   | Up to 300 Watt       |
|                                                                                     |                                  | EHBAY- 30 I   | Up to 500 Watt       |
|    | Halogen Lamp                     | EHBAY- 10AL   | Up to 150 Watt       |
|    | Spiral Electronic Lamp           | EHBAY- 10ELS  | Up to 23 Watt        |
|                                                                                     |                                  | EHBAY- 20ELS  | Up to 42 Watt        |
|                                                                                     |                                  | EHBAY- 30ELS  | Up to 105 Watt       |
|    | LED Lamp                         | EHBAY- 10 LED | Up to 12 Watt        |
|   | Mixed Light Lamp                 | EHBAY- 20 MIX | Up to 250 Watt       |
|                                                                                     |                                  | EHBAY- 30 MIX | Up to 500 Watt       |
|  | Linear Tube Electronic Lamp      | EHBAY- 10 EL  | Up to 23 Watt        |
|                                                                                     |                                  | EHBAY- 20 EL  | Up to 33 Watt        |
|  | Mercury Vapour Lamp              | EHBAY- 25 F   | 250 Watt             |
|                                                                                     |                                  | EHBAY- 40 F   | 400 Watt             |
|  | High Pressure Sodium Vapour Lamp | EHBAY- 25 N   | 250 Watt             |
|                                                                                     |                                  | EHBAY- 40 N   | 400 Watt             |
|  | Metal Halide Lamp                | EHBAY- 25 IM  | 250 Watt             |
|                                                                                     |                                  | EHBAY- 40 IM  | 400 Watt             |
|  | Reflector                        | General       | Aluminium            |
|  | O-Ring                           | General       | Silicone or EPDM     |
|  | Protective Guard                 | General       | Steel                |
|  | Globe                            | General       | Tempered Glass Globe |

## Accessories and Spare Parts

| Illustration                                                                                                                                                               | Description                     | Model                                                      | Features                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------|--------------------------------|
| <br><br> | LED Plate                       | EHBAY- 20 L                                                | 20 Watt                        |
|                                                                                                                                                                            |                                 | EHBAY- 40 L                                                | 40 Watt                        |
|                                                                                                                                                                            |                                 | EHBAY- 80 L                                                | 80 Watt                        |
|                                                                                                                                                                            |                                 | EHBAY- 30 C                                                | 30 Watt                        |
|                                                                                                                                                                            | COB Module                      | EHBAY- 70 C                                                | 70 Watt                        |
|                                                                                                                                                                            |                                 | EHBAY- 100 C                                               | 100 Watt                       |
|                                                                                           | Cable Gland                     | General                                                    | Size M 25 or ¾ "               |
|                                                                                           | Ceramic Lamp Holder             | General                                                    | E 27 or E 40                   |
|                                                                                         | Ballast For Mercury Vapour Lamp | EHBAY- 25 F                                                | 250 Watt                       |
|                                                                                                                                                                            |                                 | EHBAY- 40 F                                                | 400 Watt                       |
|                                                                                                                                                                            | Ballast For Sodium Vapour Lamp  | EHBAY- 25 N                                                | 250 Watt                       |
|                                                                                                                                                                            |                                 | EHBAY- 40 N                                                | 400 Watt                       |
|                                                                                                                                                                            | Ballast For Metal Halide Lamp   | EHBAY- 25 IM                                               | 250 Watt                       |
|                                                                                                                                                                            |                                 | EHBAY- 40 IM                                               | 400 Watt                       |
|                                                                                         | Capacitor                       | EHBAY- 25 F<br>EHBAY- 25 N<br>EHBAY- 25 IM                 | 25 µ F                         |
|                                                                                                                                                                            |                                 | EHBAY- 40 F<br>EHBAY- 40 N<br>EHBAY- 40 IM                 | 40 µ F                         |
|                                                                                         | Igniter                         | EHBAY- 25 N<br>EHBAY- 40 N<br>EHBAY- 25 IM<br>EHBAY- 40 IM | -                              |
|                                                                                         | Power Supply Circuit            | EHBAY- 20 L<br>EHBAY- 40 L<br>EHBAY- 80 L                  | 20 Watt<br>40 Watt<br>80 Watt  |
|                                                                                         | Power Supply Circuit            | EHBAY- 30 C<br>EHBAY- 70 C<br>EHBAY- 100 C                 | 30 Watt<br>70 Watt<br>100 Watt |
|                                                                                         |                                 |                                                            |                                |
|                                                                                         |                                 |                                                            |                                |

# ایمنی

## نخستین ضرورت در توسعه صنایع



دفتر مرکزی: تهران، خیابان کریمخان زند، شماره ۲۴۲ کدپستی: ۱۵۹۸۷۸۵۵۱۴  
تلفن: ۸۸۸۹۱۰۰۰ (۰۲۱) نمابر: ۸۸۸۹۵۰۰۰ (۰۲۱) همراه: 0939 EXPROOF  
مرکز فنی و تولید: شهرک صنعتی شمس آباد، بلوار نارنجستان، خیابان گلبرگ دوم، شماره ۵  
[www.natib.com](http://www.natib.com) [WWW.LIGHTINGS.IR](http://WWW.LIGHTINGS.IR) [eximen@natib.com](mailto:eximen@natib.com)