# Alphino 1W2-XE Weatherproof Xenon Beacon

## 1W2-XE FEATURES

➡ *Variety of energy level : 5, 10,15, 21, 25 & 30 Joules*

➡ *Flash rate of 60 fpm*

➡ *Changeable color domes with various color*

➡ *Voltage Input: 110 VAC, 230 VAC, 24VDC, 48VDC*

➡ *Improved inrush current and operating temperature characteristics*

➡ *Built in earth stud for Electrical safety grounding*

➡ *IP66 & IP67 rated water & dust ingress protected enclosure*

➡ *UV stable GRP housing and polycarbonate color dome*

➡ *Drop protection Stainless steel chain*

➡ *Provision for customer name tag*

➡ *Telephone initiation capabilities (optional)*

➡ *Stainless steel 316L guard (optional) for dome Protection*

CE (IP66) (IP67)

**1W2-XE** offers users flexible selection in terms of color dome in a single housing with xenon lamp tube. **1W2-XE** caters improved inrush current and operating temperature characteristics, and telephone initiation capability is reserved to accompany with weather proof telephone in communication system.

**1W2-XE** Beacon Housing is manufactured from UV stable GRP housing and polycarbonate color dome, therefore, especially suitable for Oil and Gas, Offshore Platforms and Marine Industries.

**1W2-XE** Beacon is strictly designed for personal safety as well as for product reliability and best quality to operate in the most arduous climatic conditions.

Developed with optional special features such as telephone initiation are available upon request.

**1W2-XE** comes with water resistance enclosure, cross-through earth stud for electrical safety grounding. Stainless steel guard for dome protection is also available as optional accessory. It also come with reverse polarity protection on power supply connection to protect accidental damage to beacon circuit due to wrong connection. Stainless steel chain for drop protection is provided so that the top part of the beacon will not drop as well as it is not required to be hold during the cable

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## DIMENSIONS



**With SS316L Guard**     **Without SS316L Guard**     **Mounting Holes Positions**

240mm | 228mm | 204mm | 186mm | 166mm | 2 x Ø8.5mm Mounting Holes

## TECHNICAL DATA

**A) Current Consumption**

| Operating Voltage | Average Current (mA) | | | | | |
|---|---|---|---|---|---|---|
| | 5J | 10J | 15J | 21J | 25J | 30J |
| 110VAC | 365 | 456 | 525 | 920 | 930 | 1000 |
| 230VAC | 130 | 220 | 225 | 405 | 432 | 585 |
| 24VDC | 650 | 920 | 1080 | 1340 | 1410 | 1600 |
| 48VDC | 335 | 475 | 550 | 710 | 750 | 870 |

**B) Light Output (effective Cd)**

| | 5J | 10J | 15J | 21J | 25J | 30J |
|---|---|---|---|---|---|---|
| Effective Candela | 227 | 371 | 508 | 518 | 627 | 636 |

**C) Multiplying Factor For Colored Lenses**

| Clear | Yellow | Amber | Red | Blue | Green |
|---|---|---|---|---|---|
| 1.00 | 0.89 | 0.74 | 0.51 | 0.49 | 0.53 |

**D) General Specification:-**

| | |
|---|---|
| **Rated Input Voltage** | 110VAC, 230VAC, 50/60 Hz, 24VDC, 48VDC |
| **Output Power/Flash Energy** | 5J, 10J, 15J, 21J, 25J, 30J |
| **Flashes Per Minute (FPM)** | 60 |
| **Average Lifetime** | 11,000hr / 40,000,000 flashes |
| **Operating Temperature** | -40 °C to 70 °C @ Humidity 5% ~ 95% |
| **Storage Temperature** | -40 °C to 80 °C @ Humidity 5% ~ 95% |
| **Ingress Protection** | IP66 & IP67 |
| **Colors of Dome** | Red, Green, Blue, Yellow, Amber, Violet, Clear (Other colors available as optional) |
| **Cable Entry** | 2 x M20 (up to max of 4 entries; other entry sizes like NPT available as optional ) |
| **Mounting Positions** | Any Direction |
| **Without SS316L Guard** | **Dimension:** 228H x 204L x 166D (mm), **Weight:** 1.8 kg *(. may vary as per Joule)* |
| **With SS316L Guard** | **Dimension:** 240H x 204L x 166D (mm), **Weight:** 1.95 kg *(approx. may vary as per Joule)* |

# *Alphino 1W2-XE Weatherproof Xenon Beacon*

## ORDER INFORMATION



| 1 W 2 | - | X E X | - | X X | - | X X | - | X X X X | - | X X X |
|---|---|---|---|---|---|---|---|---|---|---|

No. of Cable Entry → | Thread Size → | Alphino Internal Code →

Power Supply
Type of Lamp
Lamp Energy / Power
Body Color
Dome Color
Optional Feature
PCB Tropicalization
PCB Protector
Protection Guard
(Optional)
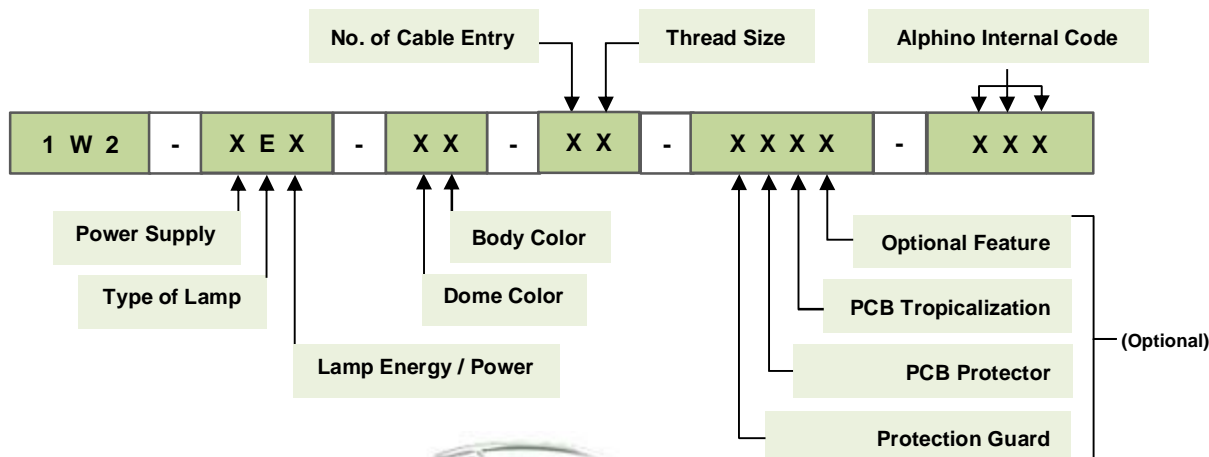
| Power Supply | X |
|---|---|
| 24 VDC | 2 |
| 48 VDC | 3 |
| 110 VAC | 4 |
| 230 VAC | 5 |

| Lamp Energy/Power | |
|---|---|
| Xenon | X |
| 5 Joule | 1 |
| 10 Joule | 2 |
| 15 Joule | 3 |
| 21 Joule | 4 |
| 25 Joule | 5 |
| 30 Joule | 6 |

| Protection Guard | X |
|---|---|
| With SS316L Guard * | G |
| Without SS316L Guard | N |

Other dome colors available as optional.

| Dome Color | X | Color Code |
|---|---|---|
| Red | R | RAL 3028 |
| Green | G | RAL 6029 |
| Blue | B | RAL 5002 |
| Yellow | Y | RAL 1021 |
| Amber | A | RAL 2009 |
| Violet | V | RAL 4006 |
| Clear | C | - |

Standard body color is Gray.
Other body colors available as optional.

| Body Color | X |
|---|---|
| Gray | U |
| Black * | K |
| Red * | R |

**SS316L Chain**

**Allocation for Name Tag**
Size: 75L x 25H mm

Note: 2 x M20 threaded entry holes as standard.
Quantity and different threaded entry hole sizes available as optional.

| No. of Cable Entry | X |
|---|---|
| Two | 2 |
| Three * | 3 |
| Four * | 4 |

| Thread Size | X |
|---|---|
| M20 | 2 |
| M25* | 3 |
| ½" NPT * | 4 |
| ¾" NPT * | 5 |

| PCB Protector | X |
|---|---|
| With PCB Protector * | P |
| Without PCB Protector | N |

| PCB Tropicalization | X |
|---|---|
| With Tropicalization * | T |
| Without Tropicalization | N |

| Optional Feature | X |
|---|---|
| With Telephone Initiation * | T |
| Not Require + | N |

**2 x Ø8.5mm Mounting Holes (186mm apart)**

Additional cable entry at opposite side *

**SS316L M6 Earth Stud**
(comes as standard)

＊ Optional Item/Feature

## Contact Information

**Alphino Pte Ltd.**
(Co. Reg. No.: 20110 6361R)
#03-110, 18 Boon Lay Way
18 @TradeHub 21
Singapore 609966
MAIN (65) 6686 4923       FAX (65) 6468 5819
Email: sales@alphino.com

Alphino reserves the right to change products' specifications without prior notice as our commitment to continuous improvement.

In light of innovation

CE  IP66  IP67