

Overview ACOUSTIC & VISUAL SIGNALS - INDUSTRIAL & FIRE - SOUNDER/LED BEACON

The Sonos Pulse Wall mounted range combines an electronic sounder of 32 Tones with an EN54-23 certified beacon to deliver reliable visual and audible warning for industrial and fire alarm systems.

The choice of **red or white flash** determines the available coverage area:

- **Red flash:** W-2.4-7.5 – suitable for mounting up to 2.4m, covering a 7.5m x 7.5m square room with a single device.
- **White flash:** W-3.1-11.3 – suitable for mounting up to 3.1m, covering a 11.3m x 11.3m square room with a single device.

The selectable flash rate allows fine adjustment to meet system requirements, with a direct impact on current consumption.

If you require a Ceiling Mounting option, please refer to our Sonos Pulse Ceiling Datasheet.

Features

- Synchronised Flash
- No Surge Current
- Coverage Volume :
 - 11.3m for White Flash
 - 7.5m for Red Flash
- Wire to Base Technology
- Beacon conforms to :
 - EN54-23
- Suitable for Wall Mounting
- Available in 17-60vDC

Material

- Red or White Flame Retardant Polycarbonate



Up to IP65*



LED



30 or 60 FPM



Up to 97dB (A) @ 1m



32 Tones



-25 to +70°C (Beacon)
-10 to +65°C (Sounder/Beacon)

*IP65 is not valid on EN54-3 and EN54-23 installations

APPROVALS & CONFORMITIES



Ordering Information

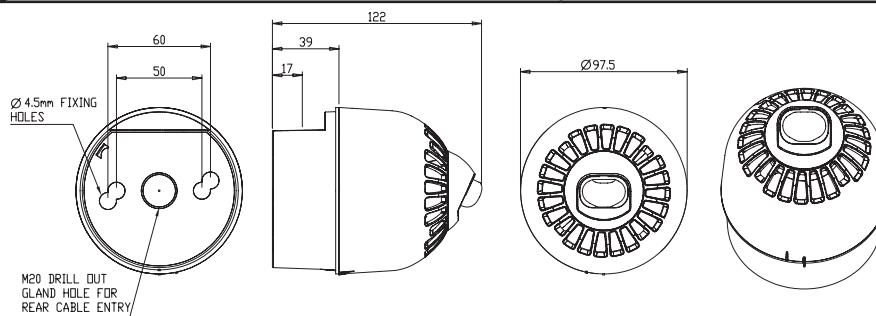
Voltage		Ordering Information				Mode & Current Consumption*	
Voltage Range	Product Code	Body Colour	Flash Colour	Base	IP	Flashing @ 0.5Hz	Flashing @ 1Hz
Beacon ESB-ESD							
17-60vDC	ESB-5001	White	White	Deep	IP33C	20mA	40mA
17-60vDC	ESB-5002	White	White	Shallow	IP21C	20mA	40mA
17-60vDC	ESB-5003	Red	White	Deep	IP33C	20mA	40mA
17-60vDC	ESB-5004	Red	White	Shallow	IP21C	20mA	40mA
17-60vDC	ESD-5001	White	Red	Deep	IP33C	20mA	40mA
17-60vDC	ESD-5002	White	Red	Shallow	IP21C	20mA	40mA
17-60vDC	ESD-5003	Red	Red	Deep	IP33C	20mA	40mA
17-60vDC	ESD-5004	Red	Red	Shallow	IP21C	20mA	40mA
Sounder/Beacon ESC-ESF							
17-60vDC	ESC-5001	White	White	Deep	IP33C	25.1mA	45.1mA
17-60vDC	ESC-5002	White	White	Shallow	IP21C	25.1mA	45.1mA
17-60vDC	ESC-5003	Red	White	Deep	IP33C	25.1mA	45.1mA
17-60vDC	ESC-5004	Red	White	Shallow	IP21C	25.1mA	45.1mA
17-60vDC	ESF-5001	White	Red	Deep	IP33C	25.1mA	45.1mA
17-60vDC	ESF-5002	White	Red	Shallow	IP21C	25.1mA	45.1mA
17-60vDC	ESF-5003	Red	Red	Deep	IP33C	25.1mA	45.1mA
17-60vDC	ESF-5004	Red	Red	Shallow	IP21C	25.1mA	45.1mA

*Current consumption is dependent on the Tone selected

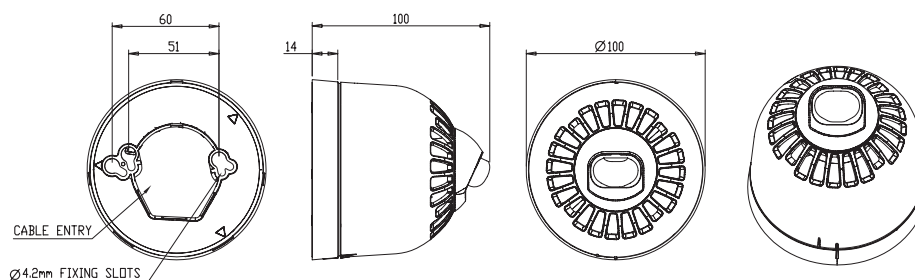
Weights & Dimensional Drawings

Kg	Shallow Base	Deep Base
Net Weight	0.240	0.290

Deep Base



Shallow Base



APPROVALS & CONFORMITIES



Introduction to EN54-23 EN54-23 Visual Alarm Devices – Nexus & Sonos Pulse Alert Technology

The **EN54-23 European fire standard** defines clear performance requirements for **Visual Alarm Devices (VADs)**, removing uncertainty around light output and system design. It ensures that visual alerts are effective for safe evacuation of buildings.

VAD Classifications : EN54-23 defines three VAD categories:

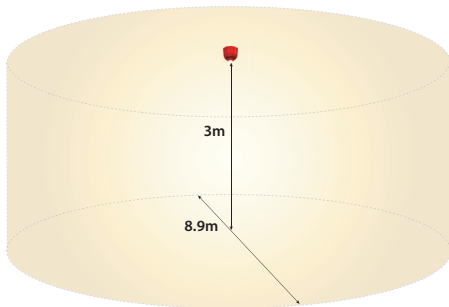
- **Wall-Mount:** Tested at specific mounting heights with defined coverage areas.
- **Ceiling-Mount:** Tested at specific mounting heights with defined coverage areas.
- **Open:** Coverage volume and shape defined by the manufacturer; no restrictions on mounting height.

Pulse Alert Technology is designed to **exceed the requirements** of all standard classifications, offering superior performance and coverage flexibility.

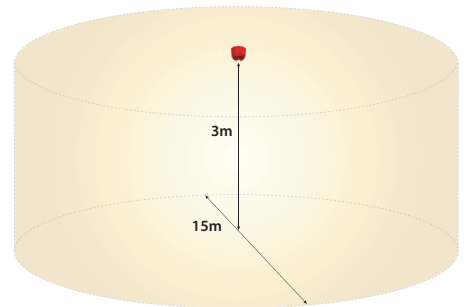
Product	Mounting Type	Configuration	Notes
Sonos Pulse	Wall or Ceiling	Beacon or Sounder/Beacon	Red Flash → Standard coverage
Nexus Pulse	Wall	Sounder/Beacon	White Flash → Extended coverage

Ceiling Mount

Ceiling Mounted Coverage Volume



Sonos Pulse Red Flash

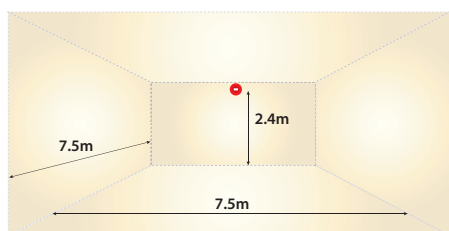


Sonos Pulse White Flash

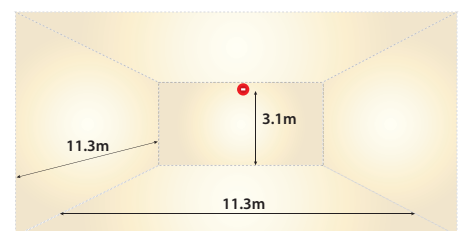
Product	Flash Colour	Mount Height (X)	Coverage Diameter (Y)
Sonos Pulse	Red	2m	8.9m
Sonos Pulse	White	3m	15m

Wall Mount

Wall Mounted Coverage Volume



Sonos & Nexus Pulse Red Flash



Sonos & Nexus Pulse White Flash

Product	Flash Colour	Mount Height (X)	Coverage Width x Length (Y)
Sonos & Nexus Pulse	Red	2.4m	7.5 x 7.5m
Sonos & Nexus Pulse	White	3.1m	11.3 x 11.3m