ESPintelligentVADS

CHQ-CB

ADDRESSABLE LOOP-POWERED CEILING BEACON

Features

- Loop powered
- Single loop address via TCH-B200
- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Choice of 2 LED colours (red or white)
- Choice of three case colours, white or red
- Approved to AS7240.23 – Category 'C'
- High efficiency
- Selectable light output*[1]
- Operating voltage 17-41 V DC
- PSU Powered option*[1].

CHQ-CB(RED)

Description

An addressable loop-powered beacon, with a high intensity LED and a custom designed free-form optic which produces a highly visible flash. Coverage diameters include 5m, 7.5m, 10m and 15m*[2]. The unit is designed to fit a wide range of ESP bases (see below table) and is available with an ivory, white or red casing with red or white LEDs.

Specification

Specification	
Operating Voltage	17 ~ 41 VDC
Quiescent Current (typ)	250 µA
Current when Beacon active	See next page
Operating Temperature Range	-10 ºC to +50 ºC
Storage Temperature Range	-30 ºC to +70 ºC
Maximum Humidity	95% RH - Non Condensing (at 40 ºC)
Colour/Case Material	Red, White / PC+ABS
Compatible Bases	White case - YBN-R/3(WHT), YBN-R/3(WHT)-SCI, YBO-R/SCI(WHT-SNDR), YBO-BS(WHT) (base sounder) Red case - YBO-R/3(RED), YBO-R/SCI(RED)
Lens Material	PC
Ingress Protection Rating	IP21 (IP33 when used inconjunction with CHQ-WPK Weatherproofing Kit)
Weight (g)/Dimensions (mm)	120 / D100 x H41
Base Fixing Centres (mm)	48 ~ 74

*[1] Panel compatibility dependant   *[2] 0.5Hz flash frequency white LED

How to choose your Hochiki VAD

Our VAD ratings comprise three parts, X-Y-Z

- Where X denotes the category, either "O" for Open, "W" for Wall or "C" for ceiling
- Where Y denotes the maximum mounting height (m)
- Where Z is the width and length (m) of the coverage floor area.

For example C-3-5 means the VAD is in the Ceiling category, can be mounted at a maximum ceiling height of 3 metres and produce a 5 metre diameter coverage.

What type of VAD?	Which case colour?	Which LED colour	Product	AS7240.23 Ratings *3		
Base Sounder Beacon	Ivory case	White LEDs	YBO-BSB2/WL	'O' Rated		
		Red LEDS	YBO-BSB2/RL			
	White case	White LEDs	YBO-BSB2(WHT)/WL			
		Red LEDs	YBO-BSB2(WHT)/RL			
Wall Sounder Beacon	Red case	White LEDs	CHQ-WSB2/WL			
		Red LEDs	CHQ-WSB2/RL			
	White case	White LEDs	CHQ-WSB2(WHT)/WL			
		Red LEDs	CHQ-WSB2(WHT)/RL			
				0	**1**	**2**
Ceiling Beacon	Ivory case	Red LEDs	CHQ-CB/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB/WL	C-3-6.5	C-3-7.9	C-3-10
			CHQ-CB/WL-15	'0'	C-3-11.4	C-3-15.1
	White case	Red LEDs	CHQ-CB(WHT)/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB(WHT)/WL	C-3-6.5	C-3-7.9	C-3-10
			CHQ-CB(WHT)/WL-15	'0'	C-3-11.4	C-3-15.1
	Red case	Red LEDs	CHQ-CB(RED)/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB(RED)/WL	C-3-6.5	C-3-7.9	C-3-15.1
			CHQ-CB(RED)/WL-15	'0'	C-3-11.4	C-3-15.1
Wall Beacon	Ivory case	Red LEDs	CHQ-CB/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDs	CHQ-CB/WL	W-2.4-5	W-2.4-5	W-2.4-5.5
	White case	Red LEDs	CHQ-CB(WHT)/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDs	CHQ-CB(WHT)/WL	W-2.4-5	W-2.4-5.5	W-2.4-7
	Red case	Red LEDs	CHQ-CB(RED)/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDS	CHQ-CB(RED)/WL	W-2.4-5	W-2.4-5.5	W-2.4-7

For CHQ-CB / WL & RL Default settings is C-3-7.5, for CHQ-CB / WL-15 Default setting is C-3-15
*3 All ratings are all based on 0.5Hz frequency.   *4 Full 'O' rating data available in our Application Notes (see below).

Current when Beacon Active

CHQ-CB / WB&RL & CHQ-WB / WL & RL	mA	6	12	17
CHQ-CB / WL-15	mA	6	17	38
CHQ-WSB2 / WL&RL	mA (Beacon Only)	7 (one setting only)		
YBO-BSB2 / WL&RL	mA (Beacon Only)	7 (one setting only)		

Note: Our VAD product codes feature "WL" which means white LEDs and "RL" which means red LEDs.