

# APPLICATION NOTE: 131

## CHQ-CB, CHQ-WB and YBO-BSB3 Beacon Light Output

Hochiki Products	CHQ-CB/WL, CHQ-CB(RED)/WL, CHQ-CB(WHT)/WL					
HFP Products	CHQ-CB(RED)/WL-HFP, CHQ-CB(WHT)/WL-HFP					
HDR Products	1460120, 1460130					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
LOL 0	6.1	0.25	C-3-6.5; O-1.18-7.1; O-3.26-3.76	99.55 46.72 36.20	O-2.2-5.2	46.72
LOL 1*	11.6	0.48	C-3-7.9; O-3.4-7.5; O-3.72-6.9	147.05 150.21 139.10	O-2.4-5.9; O-2.75-5.1	65.62 56.18
LOL 2	16.8	0.69	C-3-10; O-4.3-10; O-4.6-5.42	235.62 337.72 106.13	C-3-7.5; O-3.2-7.5; O-3.5-6	132.54 141.37 98.96

Hochiki Products	CHQ-CB/RL, CHQ-CB(RED)/RL, CHQ-CB(WHT)/RL					
HFP Products	CHQ-CB(RED)/RL-HFP, CHQ-CB(WHT)/RL-HFP					
HDR Products	1460240, 1460250					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
LOL 0	6.1	0.25	O-2.5-6.0; O-2.7-3.0	70.68 65.03	O-1.75-4.6	29.08
LOL 1*	11.6	0.48	C-3-7.5; O-3.2-6.3; O-3.4-3.8	132.53 99.75 38.55	O-2.3-6.0; O-2.5-2.7	65.03 14.31
LOL 2	16.8	0.69	C-3-9.5; O-3.7-9.5; O-4-4.5	212.64 262.26 63.61	C-3-3.4; O-2.7-7.1; O-2.8-5.5	27.23 106.89 66.52

Hochiki Products	CHQ-CB/WL-15, CHQ-CB(RED)/WL-15, CHQ-CB(WHT)/WL-15					
HFP Products	CHQ-CB(RED)/WL-15-HFP, CHQ-CB(WHT)/WL-15-HFP					
HDR Products	1460210, 1460220					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
LOL 0	6.1	0.25	O-1.2-7.5; O-2.2-5; O-2.54-1.36	53.01 43.20 3.69	O-1.54-5.3; O-1.7-5	33.98 33.38
LOL 1	16.6	0.68	C-3-11.4 O-3.6-11.17; O-3.88-4	306.21 352.78 48.76	C-3-1.5; O-2.6-8	5.30 130.69
LOL 2**	37.7	1.54	C-3-15.1; O-4.7-15; O-4.89-9.68; O-5-5.4	537.24 830.56 359.87 114.51	C-3-10; O-3.6-11.3; O-3.7-4.27	235.62 361.03 52.98

\*For CHQ-CB/WL and CHQ-CB/RL the default factory setting is LOL1, 0.5Hz.

\*\*For CHQ-CB/WL-15 the default factory setting is LOL2, 0.5Hz.

AP131 ISS5 DEC20

Hochiki Products	CHQ-WB/WL, CHQ-WB(RED)/WL, CHQ-WB(WHT)/WL					
HFP Products	CHQ-WB(RED)/WL-HFP, CHQ-WB(WHT)/WL-HFP					
HDR Products	1460310, 1460320					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
LOL 0	6.1	0.25	W-2.4-5	60	Unrated***	N/a
LOL 1*	11.6	0.48	W-2.4-5.5	72.6	W-2.4-1	2.4
LOL 2**	16.8	0.69	W-2.4-7	117.6	W-2.4-5.5	72.6

Hochiki Products	CHQ-WB/RL, CHQ-WB(RED)/RL, CHQ-WB(WHT)/RL					
HFP Products	CHQ-WB(RED)/RL-HFP, CHQ-WB(WHT)/RL-HFP					
HDR Products	1460340, 1460350					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
LOL 0	6.1	0.25	O-2-3**	24	Unrated***	N/a
LOL 1*	11.6	0.48	W-2.4-5	60	W-2.7-1.07	21.6
LOL 2**	16.8	0.69	W-2.4-5.5	72.6	W-2.4-4	38.4

Hochiki Products	YBO-BSB3/WL-(SCI), YBO-BSB3(WHT)/WL-(SCI), YBO-BSB3(BLK)/WL-SCI, YBO-BSB3/RL(SCI), YBO-BSB3(WHT)/RL-SCI, YBO-BSB3(BLK)/WL, YBO-BSB3(BLK)/RL, YBO-BSB3/WL, YBO-BSB3/RL, YBO-BSB3(WHT)/RL and YBO-BSB3(WHT)/WL					
HFP Products	YBO-BSB3/WL(HFP)-SCI, BO-BSB3/RL(HFP)-SCI, YBO-BSB3(WHT)/RL HFP and YBO-BSB3(WHT)/WL HFP					
	Nominal Current Consumption mA	Power Consumption W	Light Coverage Distance at 0.5 Hz	Cylindrical Volume M <sup>3</sup>	Light Coverage Distance at 1Hz	Cylindrical Volume M <sup>3</sup>
White LED	7	0.28	C-3-1.5	5.3	Unrated	N/a
Red LED	7	0.28	O-1.2-2.0	3.77	Unrated	N/a

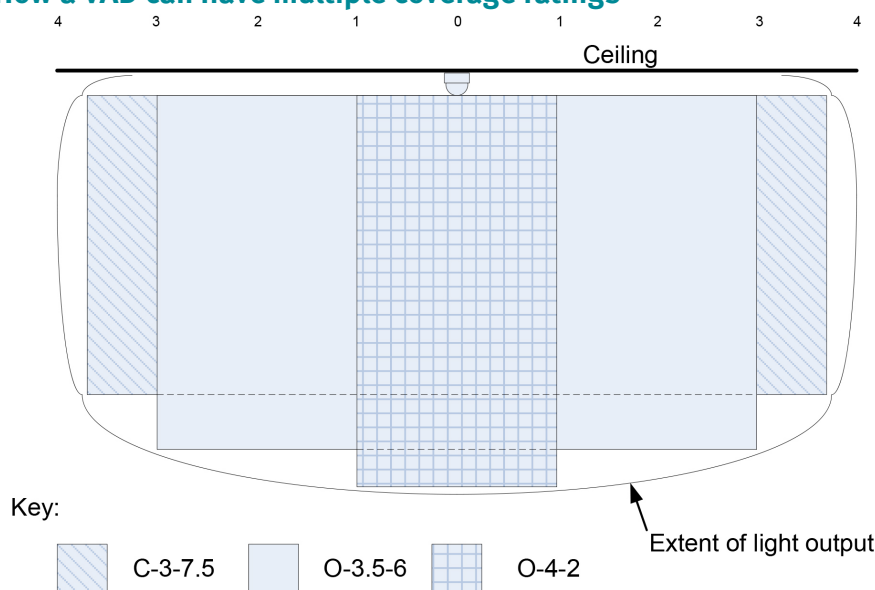
**Note:** The light output level is set by the control panel. Control panel compatibility required.

\* For CHQ-WB/WL and CHQ-WB/RL the default factory setting is LOL1, 0.5Hz.

\*\* Light coverage defined as per standard W-rating but with a height of 2m

\*\*\* No rating declared, only to be used for non-EN54-23 supplementary indication in this mode.

## How a VAD can have multiple coverage ratings



The O rating is used where heights cannot be specified within EN54-23:2010 which are restricted to 3, 6, 9 metres.  
For example: O-3.5-6 (O = O rating; 3.5 = height; 6 = Diameter).