

The tables within this document detail the various power requirements for the following Code Blue products:

- Speakerphones
- Lighting Devices
- Audio Paging Components
- Cellular Communication Components
- Help Point® Enclosures with NightCharge® Power System
- Help Point® Enclosures w/ Specific Speakerphone Models Installed

This information is also available within each of Code Blue’s Product Admin Guides.

Speakerphones

Speakerphone Model	Voltage	Max Current(A)	Max Watts	Normal Current (A)	Normal Watts	kWh
IA4100 Faceplate Speakerphone	24V AC	0.40	9.60	0.22	5.28	0.13
	12V DC	0.90	10.80	0.39	4.68	0.11
	24V DC	0.90	21.60	0.39	9.36	0.22
IP5000 Faceplate Speakerphone	24V AC	0.10	2.40	0.07	1.68	0.04
	12V DC	0.19	2.28	0.15	1.80	0.04
	24V DC	0.19	4.56	0.15	3.60	0.09
Centry® Standalone Help Point® Speakerphone	Power Over Ethernet	PoE (802.3af)				
	12V DC	0.50	6.00	0.38	4.56	0.15
LS1000 Faceplate Speakerphone	Power Over Ethernet	PoE (802.3af)				
	12V DC	0.50	6.00	0.40	4.80	0.15
LS2000 Handset Faceplate Speakerphone	Power Over Ethernet	PoE (802.3af)				
	12V DC	0.50	6.00	0.40	4.80	0.15
LS1000 Faceplate Speakerphone w/ Axis Camera	Power Over Ethernet	PoE+ (802.3at)				
	12V DC	2.63	31.50	1.32	15.80	0.76
IP1500/1501 Standalone Speakerphone	Power Over Ethernet	PoE (802.3af)				
IP2500/2501 Standalone Speakerphone	Power Over Ethernet	PoE (802.3af)				

Lighting Devices

Lighting Component	Voltage	Max Current(A)	Max Watts	Normal Current (A)	Normal Watts	kWh
S-1000/S-2000 LED Strobe	24V AC	0.28	6.72	0.22	5.28	0.16
	12V DC	0.26	3.12	0.24	2.88	0.07
	24V DC	0.26	6.24	0.24	5.76	0.15
S-1050 LED Strobe w/ Photocell	24V AC	0.28	6.72	0.22	5.28	0.16
	12V DC	0.27	3.22	0.24	2.88	0.08
	24V DC	0.27	6.43	0.24	5.76	0.15
A-700 Area Light	24V AC	1.80	43.20	0.83	19.92	1.04
	12V DC	2.68	32.16	0.38	4.56	0.77
	24V DC	2.68	64.32	0.38	9.12	1.54
LED Faceplate Light	24V AC	0.04	0.96	0.04	0.96	0.02
	12V DC	0.04	0.48	0.04	0.48	0.01
	24V DC	0.04	0.96	0.04	0.96	0.02

Audio Paging Components

Audio Paging Product	Voltage	Max Current(A)	Max Watts	Normal Current (A)	Normal Watts	kWh
WM180 Audio Paging Speaker w/ Strobe	12-24V DC	7.30	175.20	2.10	50.40	4.20
WM180 Audio Paging Speaker	12-24V DC	7.04	168.96	1.86	44.60	4.06
Audio Paging Amplifier	12-24V DC	3.83	91.92	3.00	72.00	2.21
CB 1 w/ Audio Paging Speaker	12-24V DC	4.89	117.36	4.06	97.44	2.82
CB 5 w/ Audio Paging Speaker	12-24V DC	4.89	117.36	4.06	97.44	2.82

Cellular Communication Components

Cellular Communication Component	Voltage	Max Current(A)	Max Watts	Normal Current (A)	Normal Watts	kWh
4G/LTE Help Point® Router	12-24V DC	1.5	18	1.08	13	0.43
	Power Over Ethernet	PoE+ (802.3at)				
5G Help Point® Router	12-24V DC	1.5	18	1.08	13	0.43
	Power Over Ethernet	PoE+ (802.3at)				

Help Point® Enclosures with NightCharge® Power System

Enclosure with NightCharge	Voltage	Max Current(A)	Max Watts	kWh
CB 1 w/ NightCharge	120-240V AC	2.5	600	14.4
CB 4 w/ NightCharge	120-240V AC	2.5	600	14.4
CB 9 w/ NightCharge	120-240V AC	2.5	600	14.4



Help Point® Enclosures with IA4100 Speakerphone Installed

Enclosure with IA4100 Speakerphone	Voltage	Current(A)	Watts	kWh
CB 1-e	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB 1-s	24V AC	1.31	31.44	0.75
	12V DC	1.05	12.60	0.30
	24V DC	1.05	25.20	0.60
CB 2-a	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB 2-ap	12V DC	6.44	77.28	1.85
	24V DC	6.44	154.56	3.71
CB 2-e	24V AC	0.44	10.56	0.25
	12V DC	0.63	7.56	0.18
	24V DC	0.63	15.12	0.36
CB 2-s	24V AC	1.31	31.44	0.75
	12V DC	1.05	12.60	0.30
	24V DC	1.05	25.20	0.60
CB 4-r	24V AC	0.26	6.24	0.15
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
CB 4-s	24V AC	0.22	5.28	0.13
	12V DC	0.39	4.68	0.11
	24V DC	0.39	9.36	0.22
CB 4-u	24V AC	0.26	6.24	0.15
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
CB 5-p	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB 5-s	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB 6-s/CB 6-f	24V AC	0.22	5.28	0.13
	12V DC	0.39	4.68	0.11
	24V DC	0.39	9.36	0.22
CB 9-s	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB 9-t	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39
CB RT	24V AC	0.48	11.52	0.28
	12V DC	0.67	8.04	0.19
	24V DC	0.67	16.08	0.39



Help Point® Enclosures with IP5000 Speakerphone Installed

Enclosure with IP5000 Speakerphone	Voltage	Current(A)	Watts	kWh
CB 1-e	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB 1-s	24V AC	1.16	27.84	0.67
	12V DC	0.81	9.72	0.23
	24V DC	0.81	19.44	0.47
	Power Over Ethernet	PoE+ (802.3at)		
CB 2-a	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB 2-ap	12V DC	6.44	77.28	1.85
	24V DC	6.44	154.56	3.71
	Power Over Ethernet	PoE++ (802.3bt)		
CB 2-e	24V AC	0.29	6.96	0.17
	12V DC	0.39	4.68	0.11
	24V DC	0.39	9.36	0.22
	Power Over Ethernet	PoE (802.3af)		
CB 2-s	24V AC	1.16	27.84	0.67
	12V DC	0.81	9.72	0.23
	24V DC	0.81	19.44	0.47
	Power Over Ethernet	PoE+ (802.3at)		
CB 4-r	24V AC	0.11	2.64	0.06
	12V DC	0.19	2.28	0.05
	24V DC	0.19	4.56	0.11
	Power Over Ethernet	PoE (802.3af)		
CB 4-s	24V AC	0.07	1.68	0.04
	12V DC	0.15	1.80	0.04
	24V DC	0.15	3.60	0.09
	Power Over Ethernet	PoE (802.3af)		
CB 4-u	24V AC	0.11	2.64	0.06
	12V DC	0.19	2.28	0.05
	24V DC	0.19	4.56	0.11
	Power Over Ethernet	PoE (802.3af)		
CB 5-p	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB 5-s	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB 6-s/CB 6-f	24V AC	0.07	1.68	0.04
	12V DC	0.15	1.80	0.04
	24V DC	0.15	3.60	0.09
	Power Over Ethernet	PoE (802.3af)		
CB 9-s	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB 9-t	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		
CB RT	24V AC	0.33	7.92	0.19
	12V DC	0.43	5.16	0.12
	24V DC	0.43	10.32	0.25
	Power Over Ethernet	PoE (802.3af)		



Help Point® Enclosures with LS1000 or LS2000 Speakerphone Installed

Enclosure with LS1000/LS2000 Speakerphone	Voltage	Current(A)	Watts	kWh	
CB 1-e	24V DC	0.68	16.32	0.39	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.68	8.16	0.20	
	Power Over Ethernet	PoE (802.3af)			
CB 1-s	24V DC	1.06	25.44	0.61	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.06	12.72	0.31	
	Power Over Ethernet	PoE+ (802.3at)			
CB 2-a	24V DC	0.68	16.32	0.39	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.68	8.16	0.20	
	Power Over Ethernet	PoE (802.3af)			
CB 2-ap	24V DC	6.44	154.56	3.71	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	6.44	77.28	1.85	
	Power Over Ethernet	PoE++ (802.3bt)			
CB 2-e	24V DC	0.64	15.36	0.37	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.64	7.68	0.18	
	Power Over Ethernet	PoE (802.3af)			
CB 2-s	24V DC	1.06	25.44	0.61	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.06	12.72	0.31	
	Power Over Ethernet	PoE+ (802.3at)			
CB 4-r	24V DC	0.44	10.56	0.25	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.44	5.28	0.13	
	Power Over Ethernet	PoE (802.3af)			
CB 4-s	24V DC	0.40	9.60	0.23	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.40	4.80	0.12	
	Power Over Ethernet	PoE (802.3af)			
CB 4-u	24V DC	0.44	10.56	0.25	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.44	5.28	0.13	
	Power Over Ethernet	PoE (802.3af)			
CB 5-p	24V DC	0.68	16.32	0.39	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.68	8.16	0.20	
	Power Over Ethernet	PoE (802.3af)			
CB 5-s	24V DC	0.68	16.32	0.39	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.68	8.16	0.20	
	Power Over Ethernet	PoE (802.3af)			
CB 6-s/CB 6-f	24V DC	0.40	9.60	0.23	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.40	4.80	0.12	
	Power Over Ethernet	PoE (802.3af)			
CB 9-s	24V DC	0.44	10.56	0.25	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.44	5.28	0.13	
	Power Over Ethernet	PoE (802.3af)			
CB 9-t	24V DC	0.44	10.56	0.25	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.44	5.28	0.13	
	Power Over Ethernet	PoE (802.3af)			
CB RT	24V DC	0.68	16.32	0.39	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	0.68	8.16	0.20	
	Power Over Ethernet	PoE (802.3af)			



Help Point® Enclosures with LS1000 Speakerphone w/ Axis Camera Installed

Enclosure with LS1000 Speakerphone + Axis Camera	Voltage	Current(A)	Watts	kWh	
CB 1-e	24V DC	1.59	38.16	0.92	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.59	19.08	0.46	
	Power Over Ethernet	PoE+ (802.3at)			
CB 1-s	24V DC	1.98	47.52	1.14	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.98	23.76	0.57	
	Power Over Ethernet	PoE+ (802.3at)			
CB 2-a	24V DC	1.59	38.16	0.92	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.59	19.08	0.46	
	Power Over Ethernet	PoE+ (802.3at)			
CB 2-ap	24V DC	7.36	176.64	4.24	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	7.36	88.32	2.12	
	Power Over Ethernet	PoE++ (802.3bt)			
CB 2-e	24V DC	1.56	37.44	0.90	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.56	18.72	0.45	
	Power Over Ethernet	PoE+ (802.3at)			
CB 2-s	24V DC	1.98	47.52	1.14	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.98	23.76	0.57	
	Power Over Ethernet	PoE+ (802.3at)			
CB 4-r	24V DC	1.36	32.64	0.78	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.36	16.32	0.39	
	Power Over Ethernet	PoE+ (802.3at)			
CB 4-s	24V DC	1.32	31.68	0.76	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.32	15.84	0.38	
	Power Over Ethernet	PoE+ (802.3at)			
CB 4-u	24V DC	1.36	32.64	0.78	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.36	16.32	0.39	
	Power Over Ethernet	PoE+ (802.3at)			
CB 5-p	24V DC	1.59	38.16	0.92	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.59	19.08	0.46	
	Power Over Ethernet	PoE+ (802.3at)			
CB 5-s	24V DC	1.59	38.16	0.92	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.59	19.08	0.46	
	Power Over Ethernet	PoE+ (802.3at)			
CB 6-s/CB 6-f	24V DC	1.32	31.68	0.76	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.32	15.84	0.38	
	Power Over Ethernet	PoE+ (802.3at)			
CB 9-s	24V DC	1.36	32.64	0.78	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.36	16.32	0.39	
	Power Over Ethernet	PoE+ (802.3at)			
CB 9-t	24V DC	1.36	32.64	0.78	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.36	16.32	0.39	
	Power Over Ethernet	PoE+ (802.3at)			
CB RT	24V DC	1.59	38.16	0.92	<i>*24V to 12V DC Step Down Transformer Required</i>
	12V DC	1.59	19.08	0.46	
	Power Over Ethernet	PoE+ (802.3at)			