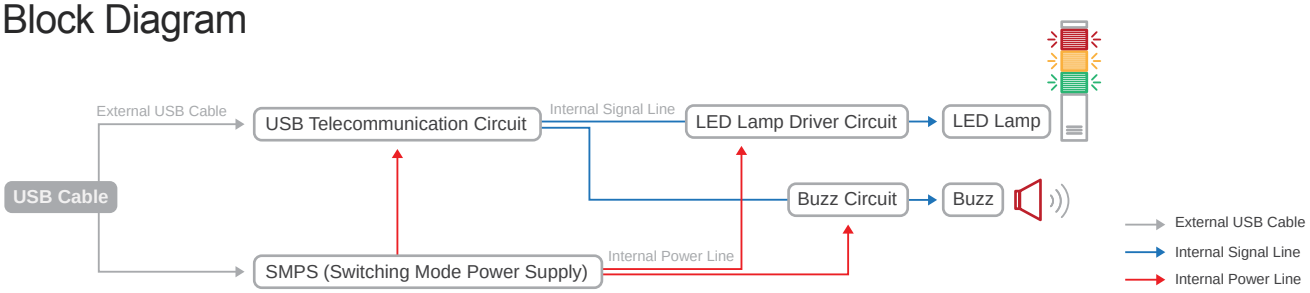
Technical Data for USB Type LED Tower Light

3. Communication data format of the USB product

Developers can use the programming format below to control the LED USB Tower light via PC.
For detailed programing information, please see the reference code that is provided separately.

PC to USB Tower Light				
No.	Type	ABB	Descript	Size(Bytes)
1	Device Information	VID	VENDOR ID : 0x04D8(Provided by IC manufacturer)	2
2		PID	PRODUCT ID : 0xE73C(QLIGHT ID)	2
3		INDEX	1. Maximum of 4 USB tower lights can be installed per PC. 2. Field value helps to distinguish each USB tower light. 3. Reference - USB0 : 0×4970/ USB1 : 0×4971/ USB2 : 0×4972/ usb3 : 0×4973 4. Assign 0-3 for convenient use in IBM PC environment.	2
1	Data	Write	1. Send 'W=0x57' which means transferring the data from PC to USB.	1
2		Sound Group	1. Field for sound pattern designation. 0 : WS/ 1 : WP/ 2 : WM/ 3 : WA/ 4 : WB/ 5 : BZ/ 6 : WM(8)/ 7 : WA(8) 2. Total 8 groups are provided and each group has channel 1 to 5.	1
3		R LAMP	1. Field for controlling Red lamp. 2. Reference - 0 : LAMP OFF/ 1 : LAMP BLINK(ON/OFF)/ 2 : LAMP ON/ Else : Don't care	1
4		A LAMP	1. Field for controlling Amber lamp. 2. Reference - 0 : LAMP OFF/ 1 : LAMP BLINK(ON/OFF)/ 2 : LAMP ON/ Else : Don't care	1
5		G LAMP	1. Field for controlling Amber lamp. 2. Reference - 0 : LAMP OFF/ 1 : LAMP BLINK(ON/OFF)/ 2 : LAMP ON/ Else : Don't care	1
6		B LAMP	1. Field for controlling Amber lamp. 2. Reference - 0 : LAMP OFF/ 1 : LAMP BLINK(ON/OFF)/ 2 : LAMP ON/ Else : Don't care	1
7		W LAMP	1. Field for controlling Amber lamp. 2. Reference - 0 : LAMP OFF/ 1 : LAMP BLINK(ON/OFF)/ 2 : LAMP ON/ Else : Don't care	1

4. Block Diagram



5. Specifications

Category	Specifications	Category	Specifications
Tower light	• Layer : 1-5 • Voltage : DC12V • Current : 0.300A • Color : ● R-Red ● A-Amber ● G-Green ● B-Blue ● W-White	Cable	1. VCC (Red) 2. D- (White) 3. D+ (Green) 4. GND (Black) 5. Shield
Speaker	• Rated : 1W • Volume : Max 85dB at 1m	Buzzer	• Voltage : DC12V • Current : 20mA • Volume : Max 90dB at 1m
USB standard	• Available on hosts that support USB 1.1 or higher • DC5V/500mA rated (uses 2 USB port)	Input voltage	• USB DC 5V×2PORT(Built-in 5V To 12V converter)