TOOLS NEEDED FOR MAINTENANCE/INSTALLATION FOR Customer Order Displays/ Order Confirmation Systems
(note: Everbrite does **not** provide tools on this list)

PRE-INSTALL SITE SURVEYS	
Fish Tape (100ft min)	Torx T15 (for freestanding units as of 3/23, 2012) and T20 drivers
WD-40 or similar penetrating oil to remove old nuts from speaker posts etc	1/2" & 3/8" electric drill
Basic Hand Tools *	10' DB9 Serial Cable (purchase from Everbrite.Part #WI0334ORS)

SERVICE CALLS:	
Fish Tape (100ft min)	Small jewelers screwdriver
Digital Volt-Ohm Meter	Vacuum Cleaner (optional)
Basic Hand Tools *	1/2" & 3/8" electric drill
Soldering Pencil(s) with a spool of solder	3/8" screw gun
Torx T15 (for freestanding units as of March 23, 2012)& T20 drivers	Blu-mol Drill bits (Home Depot)
Tie-raps wire ties	RS232 Data Breakout Box
Mild All-purpose cleaner i.e. 409 or Fantastic for cleaning the faces	10' DB9 Serial Cable (purchase from Everbrite. Reference Part #WI0334ORS)
Caulk Gun (use for Silicone Sealant)	Lubricant (ie:"snot") must be used when pulling Everbrite data/Ethernet CAT5 cables. (Do Not use dish soap-could remove the printing on the jacket.)
RJ45/CAT5 Cable Tester which detects opens, shorts, miswires and cross-connections at a distance (Klein Tools LAN Scout, Southwire Datacomm Tester or equivalent)	

INSTALLATIONS or Repairs to Damaged Units:	
Hammer Drill	Torx T15 (for monolith units as of 3/23, 2012) and T20 drivers
1/2" & 3/8" electric drill	Tie-wraps wire ties
Blu-mol Drill bits (Home Depot)	Mild All purpose cleaner i.e. 409 or Fantastic for cleaning the faces
3/8" screw gun	Small jewelers screwdriver
Side Grinder or Sawzall	Vacuum Cleaner
Fish Tape (100ft min)	1/2" Red Head anchor bolts
Digital Volt-Ohm meter	WD-40 or similar penetrating oil to remove old nuts from speaker posts.
Basic Hand Tools *	RS232 Data Breakout Box
Soldering Pencil(s) with a spool of solder	Lubricant (ie:"snot") must be used when pulling Everbrite data/Ethernet CAT5 cables. (Do Not use dish soap-could remove the printing on the jacket.)
RJ45/CAT5 Cable Tester which detects opens, shorts, miswires and cross-connections at a distance (Klein Tools LAN Scout, Southwire Datacomm Tester or equivalent)	

LED Retrofit Installs or LCD Retrofit into FP43 not COD ready + normal INSTALLATION tools:	
100' extension cord	Side Grinder or Sawzall
1/8" to 1/2" Metal tapping bits	Basic Hand Tools *
Jig Saw w/metal cutting blades	Metal File
	1/2" & 3/8" electric drill

Basic Hand Tools to have for all types of service or installations
*Various screwdrivers, ¼ & 3/8" drive socket wrench set, Pliers, Diagonal wire cutters, Lineman' s pliers, Black Tape, Flashlight, Adjustable wrench, Utility knife, Wire stripper/crimper, Assortment of wire nuts & miscellaneous crimp terminals, Panduit adhesive cable track (optional to contain data cables etc)