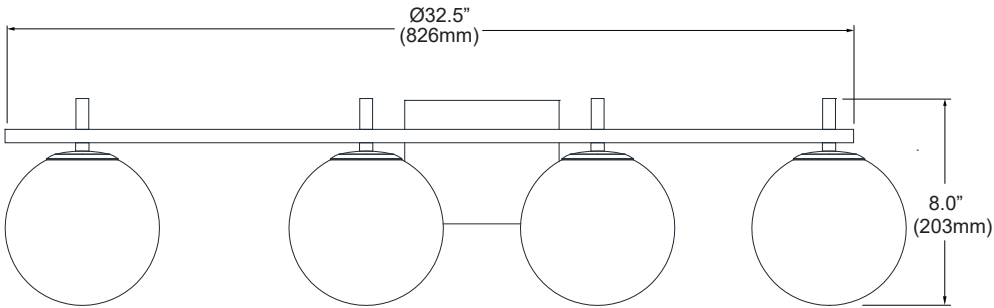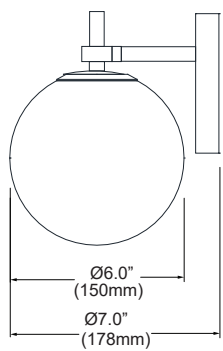VAD-324W