

Download Formula Guide For Light Fixtures

Number of Luminaires in a Continuous Row = $(\text{Room Length} \div \text{Fixture Length}) - 1$. Number of Continuous Rows = $\text{Total Number of Fixtures} \div \text{Fixtures Per Row}$. MAINTENANCE Lamp Life. Calendar Lamp Life (Years) = $\text{Rated Lamp Life (Hours)} \div \text{Annual Hours of Operation (Hours/Year)}$ Lamp Burnout Factor If the fixture will be lighting the whole room, measure the length and width of the room and then add those two numbers together. Convert that sum from feet to inches to find the ideal diameter for your light source. For example, if the room was 10 ft. x 12 ft., $10 + 12 = 22$, so your fixture should be 22 inches in diameter. Lighting calculation formula. Once you know how many lumens you need, you can start figuring out how many light bulbs will suffice to illuminate your surface. To do it, use the formula below: $\text{bulbs} = \text{lumens} / \text{BL}$. BL stands for the number of lumens that a light bulb emits. You can usually find this number on the bulb packaging. How to Choose the Right Size Lighting Fixture; ... Check out our bathroom light fixtures guide for more advice! Browse bestselling bath lights. Outdoor Lights. You'll need to measure different things depending on where you want to use an outdoor light: on a wall/lighting a door, to light a garage, on a ceiling, hanging or on a post. ...