|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ROOM** | **Quantity** | **Watt** | **TOTAL CONSUMED POWER (P) in Watts** | **TIME (t) in Hours per day** | **ENERGY (E) in KWh** | **COST in JD** |
| LIVING ROOM | 8 | 26 | 208 | 12 | 2.496 | 0.299 |
| KITCHEN | 6 | 26 | 156 | 6 | 0.936 | 0.112 |
| BED ROOM | 6 | 26 | 156 | 7 | 1.092 | 0.131 |
| BATH ROOM | 6 | 18 | 108 | 5 | 0.540 | 0.064 |

**FORMULA** :

TOTAL CONSUMED POWER PER ROOM = QUANTITY IN EACH ROOM X LIGHTING FIXTURE POWER PER UNIT

IN CASE OF ALL LIGHTING FIXTURES ARE ON

TO CALCULATE THE ENERGY:

E = P X t

P : Power

T : time

Total bill cost = Subscription to electric grid + Total consumption by lighting fixtures

 = 5 + 0.608

 **= 5.608 JD**