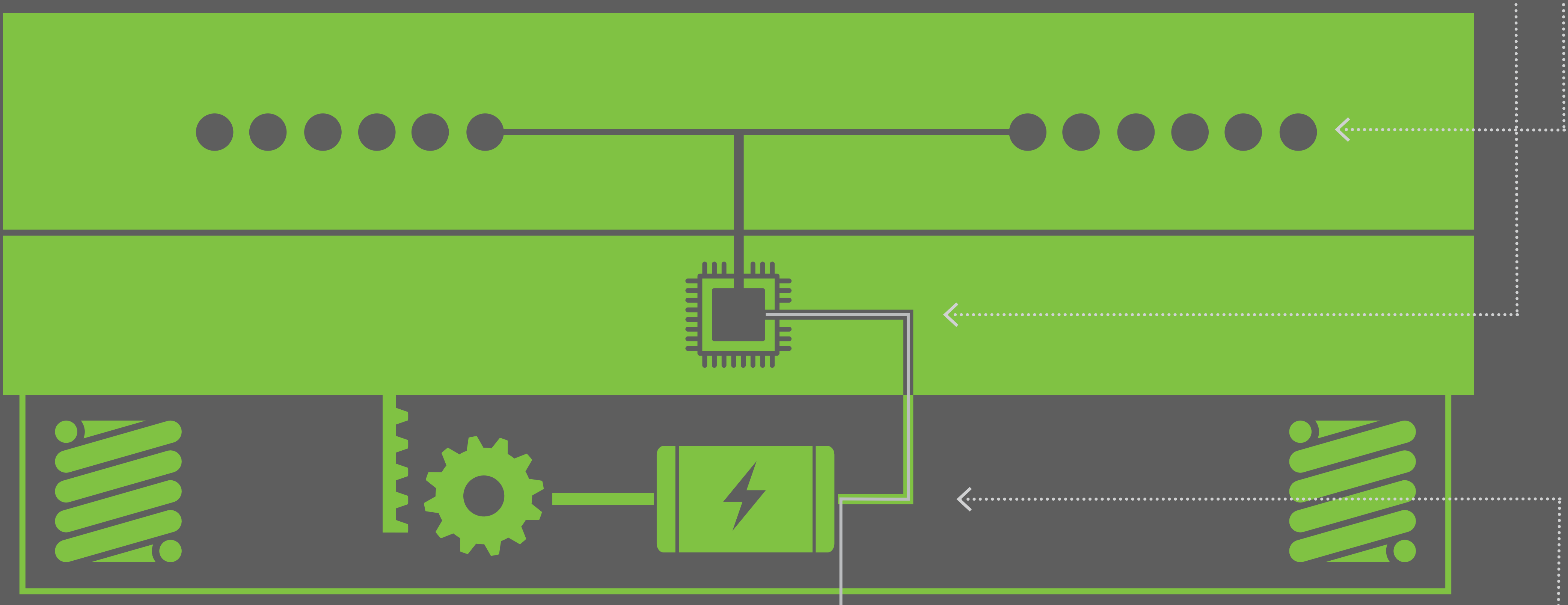


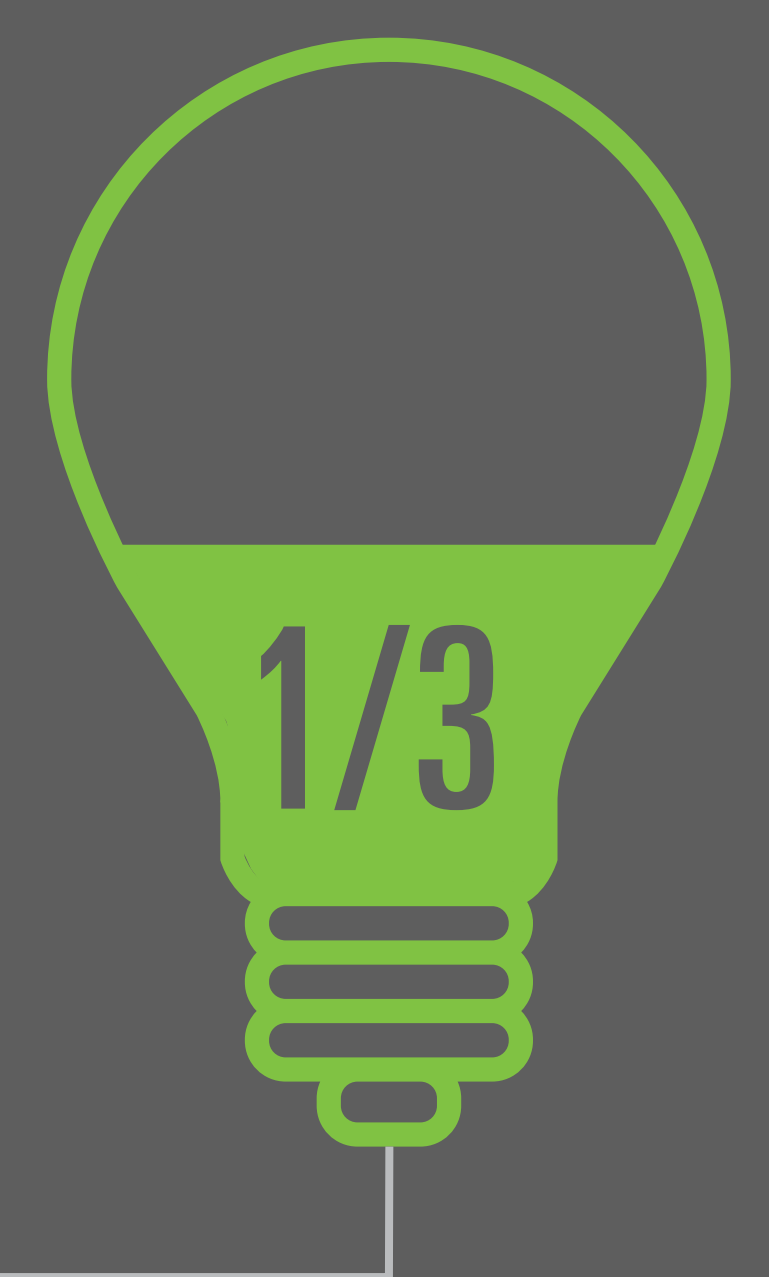
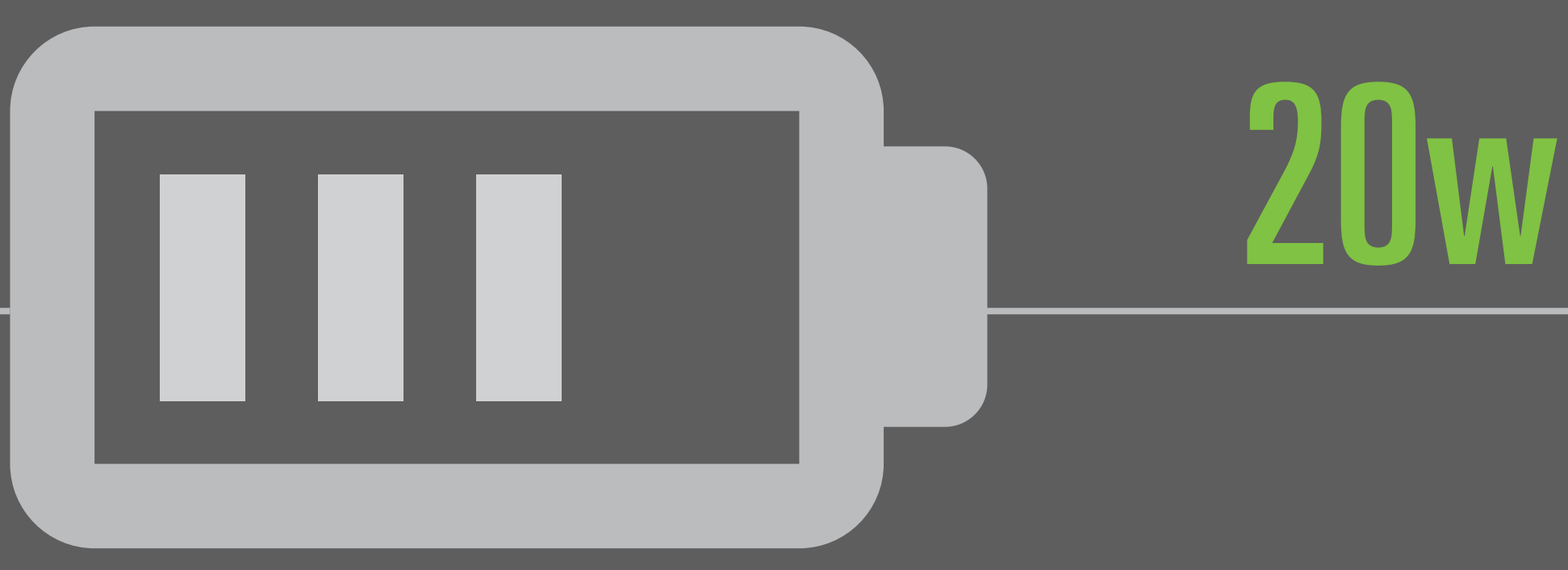
HOW DOES IT WORK?



RGB LED'S  
PRINT WITH  
MICROCHIP &  
FIRMWARE



GENERATOR



1 DANCE TILE CAN GENERATE 20W OF POWER  
OR 1/3 OF A 60W INCANDESCENT BULB

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# POWER

# REQUIREMENTS

250 - 320 cal / hr

To generate 20w one person can burn up to 320 calories per hour

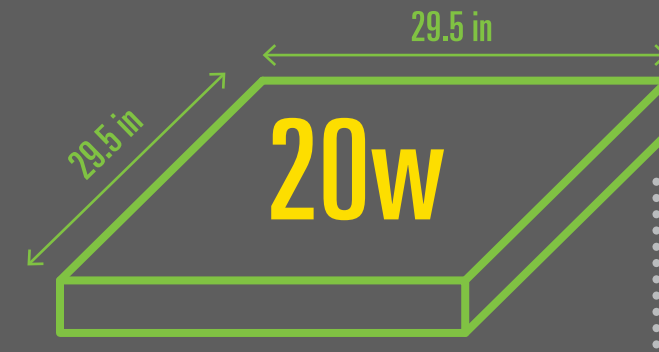


One 60 watt incandescent bulb for 24hrs consumes 1.44 kwh



20w

1 dance tile can generate 20w of power or 1/3 of a 60w incandescent bulb



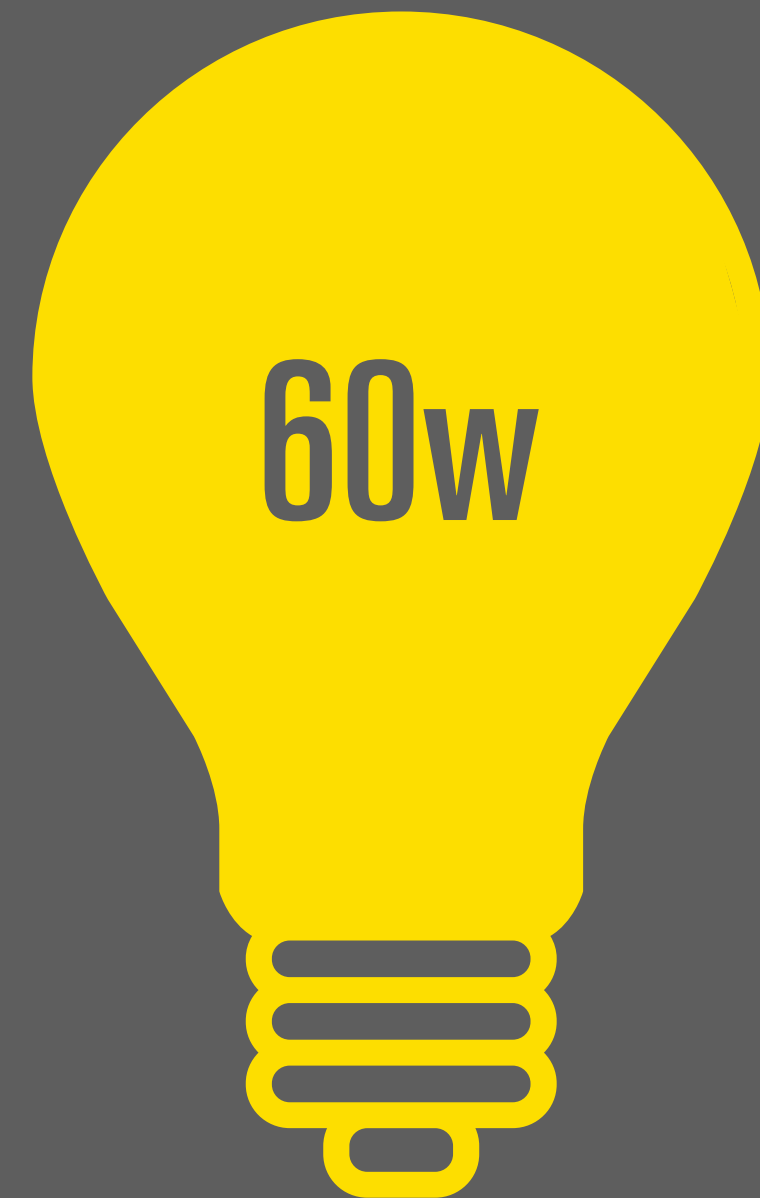
$$\begin{aligned} &+ \\ 20w & \text{ (lightbulb icon)} \\ &+ \\ 20w & \text{ (lightbulb icon)} \\ &= \end{aligned}$$

Electricity Cost  
 $1.44 \times 0.1 =$   
\$0.144 ( \$0.1 per kwh)

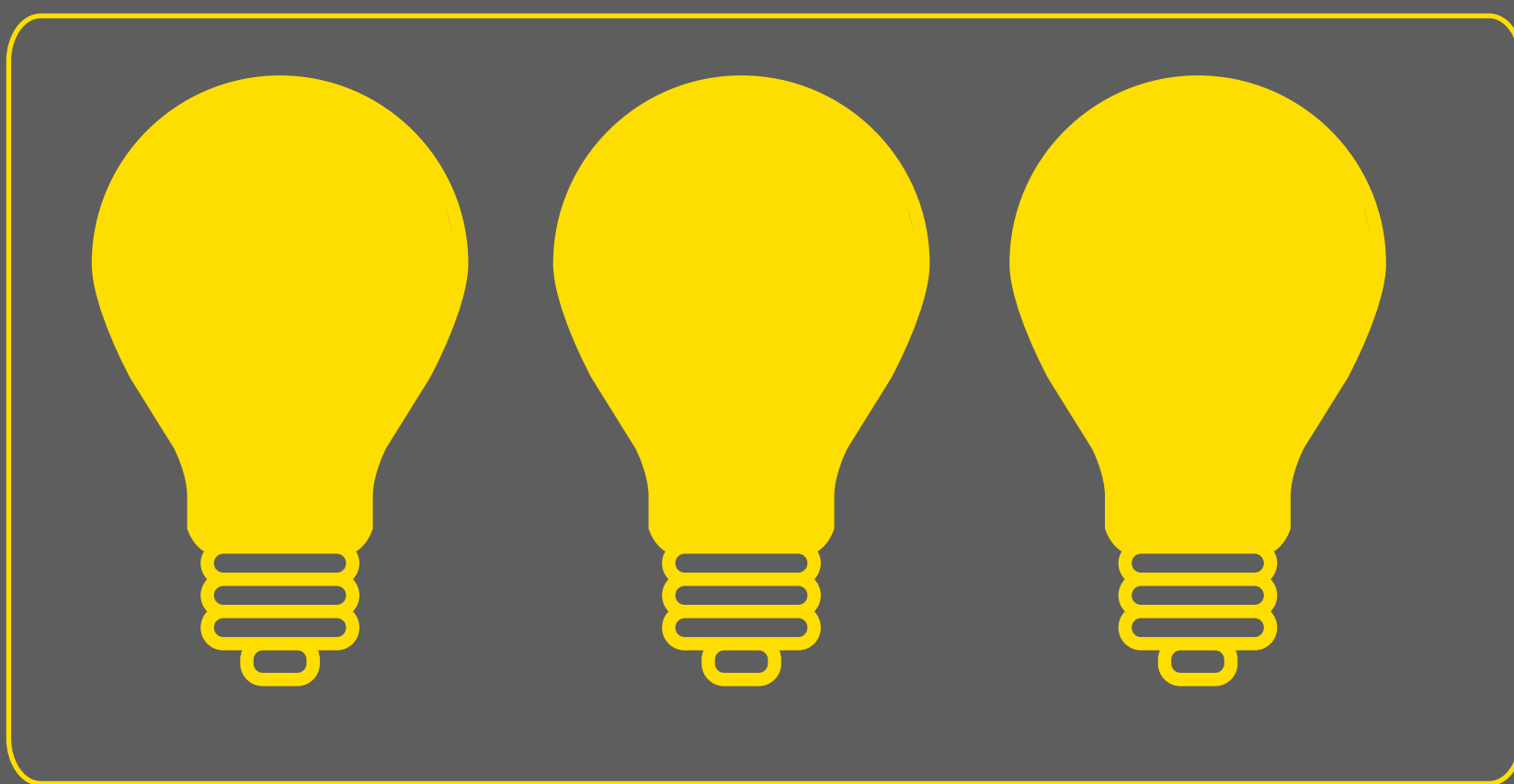


60w

It will take 3 dance pannels in order to generate one 60w incandescent bulb

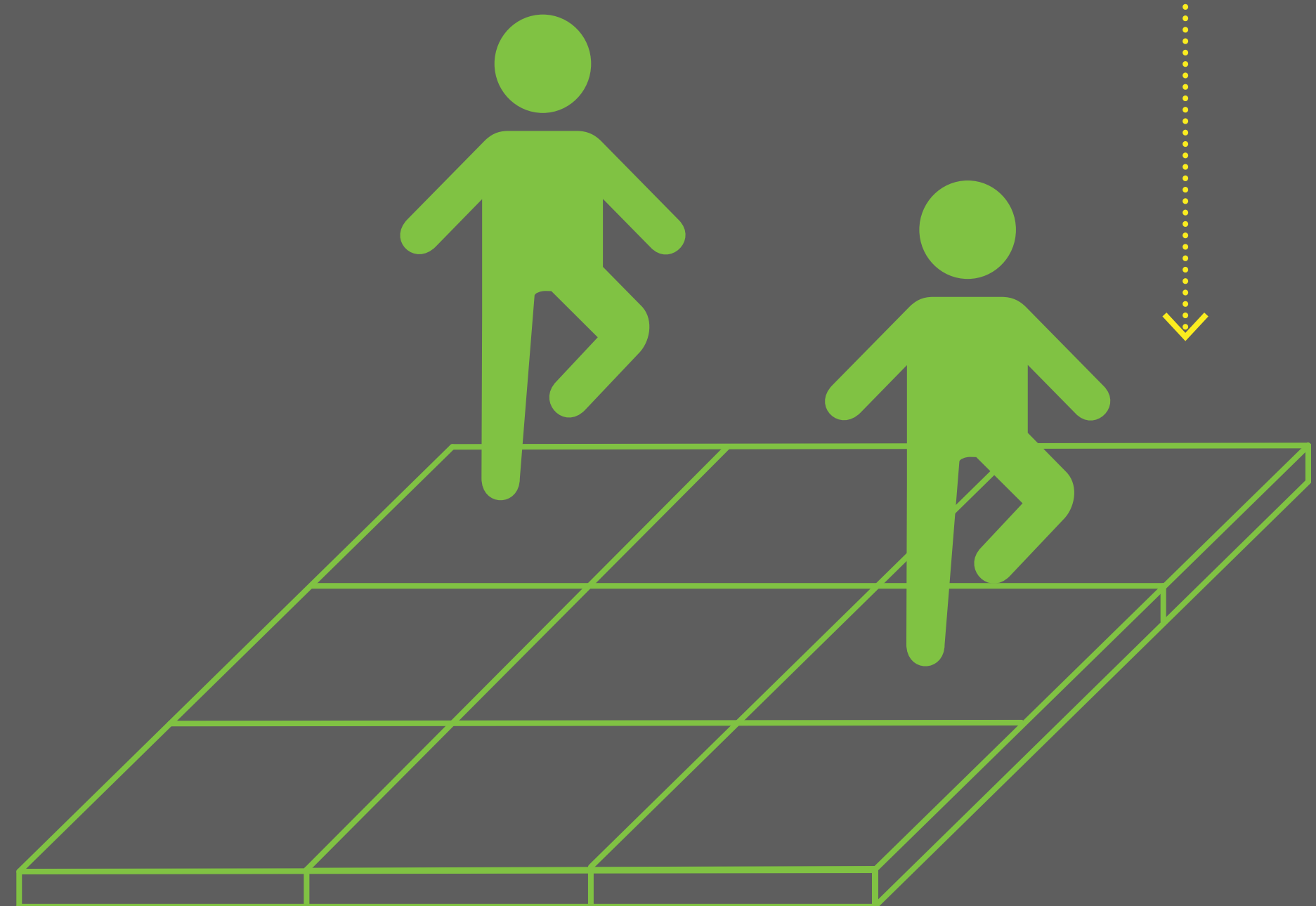


x3



180w

A fully functional dance floor can power up to 180w or 3 / 60w incandesant bulbs



ONE 60W INCANDESCENT BULB FOR 24HRS CONSUMES 1.44 KWH WHICH EQUALS...

# CARBON FOOTPRINT



4.5 lbs

2.2 lbs

1.3 lbs

0.8 lbs



60w ILB  
750-900 LUMENS



1 lbs

0.5 lbs

0.2 lbs

0.1 lbs



14w CFL  
750-900 LUMENS



.75 lbs

0.2 lbs

0.1 lbs

0.1 lbs



IT WILL TAKE AN ESTIMATED 32 BALLOONS TO LIFT A 12 OZ CAN OF SODA

10w LED  
1100-1300 LUMENS



# NUMBER OF BULBS

COST OF BULBS

COST OF ELECTRICITY

TOTAL EXPENSES

COST SAVINGS

4,380 HRS

60w  
ILB



\$5

\$26

\$31

X 10 BULBS PER HOUSE = \$310

14w  
CFL



\$4

\$6

\$10

X 10 BULBS PER HOUSE = \$100

10w  
LED



\$36

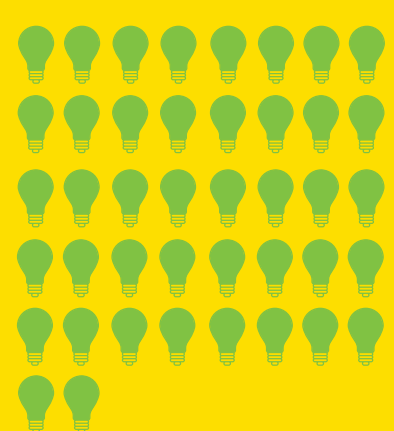
\$4

\$40

X 10 BULBS PER HOUSE = \$400

50,000 HRS

60w  
ILB



\$52

\$300

\$352

X 10 BULBS PER HOUSE = \$3,520

14w  
CFL



\$20

\$70

\$90

X 10 BULBS PER HOUSE = \$900

10w  
LED



\$36

\$50

\$85

X 10 BULBS PER HOUSE = \$850

SAVINGS BY SWITCHING FROM INCANDESCENTS (10 BULBS A YEAR OVER 50,000 HRS OF USE) \$2,667  \$2,627  \$0 

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Incentives are often based on grants and may vary year-to-year. Incentives may be available on a first-come, first-served basis. So some sources may not have available funding today. However, they may have funding in the future.

## INCENTIVES & RESOURCES

If you are low-income:

### WORCESTER COMMUNITY ACTION COUNCIL

[www.wcca.net](http://www.wcca.net)  
1-800-545-4577, toll-free  
508 754-1176, extension 110  
507 754-7281 (24 hour application line)

Si usted es de bajos ingresos:

### WORCESTER COMMUNITY ACTION COUNCIL

[www.wcca.net](http://www.wcca.net)  
1-800-545-4577, número gratuito  
508 754-1176, extensión 110  
507 754-7281, (línea de aplicación de 24 horas)

Nếu bạn đang có thu nhập thấp:

### WORCESTER COMMUNITY ACTION COUNCIL

[www.wcca.net](http://www.wcca.net)  
1-800-545-4577, số miễn phí  
508 754-1176, phần mở rộng 110  
507 754-7281, 24 giờ ứng dụng dòng

### MASS SAVE

[www.masssave.com](http://www.masssave.com)  
1-800-632-8300

Serving residential utility customers, home owners, landlords, small business. Free home energy audits, incentives and no-interest loans for energy efficiency

### MASS SAVE

[www.masssave.com](http://www.masssave.com)  
1-800-632-8300

Sirviendo a los clientes residenciales de utilidad, los dueños de casa, los propietarios, pequeños negocios. Libres casa auditorías energéticas, incentivos y créditos sin intereses para la eficiencia energética.

### MASS SAVE

[www.masssave.com](http://www.masssave.com)  
1-800-632-8300

Phục vụ khách hàng dân cư Tiện ích, chủ sở hữu, chủ nhà, doanh nghiệp nhỏ. Kiểm toán năng lượng nhà miễn phí, ưu đãi và cho vay không lãi suất cho năng lượng hiệu quả.

### DSIRE

[www.dsireusa.com](http://www.dsireusa.com)

Database of energy efficiency and renewable energy incentives from local, state and federal government and utilities.

### DSIRE

[www.dsireusa.com](http://www.dsireusa.com)

Base de datos de eficiencia energética y energía renovable incentivos del gobierno local, estatal y federal y utilidades.

### DSIRE

[www.dsireusa.com](http://www.dsireusa.com)

Cơ sở dữ liệu hiệu suất năng lượng và năng lượng tái tạo ưu đãi từ chính phủ địa phương, tiểu bang và liên bang và tiện ích.

### WORCESTER ENERGY

[www.worcesterenergy.org](http://www.worcesterenergy.org)  
508-799-1400 x 5  
[worcesterenergy@worcesterma.gov](mailto:worcesterenergy@worcesterma.gov)

The City's Energy Office working to implement the Worcester Climate Action Plan, and providing resources and policies to advance energy efficiency and use of renewable energy.

### WORCESTER ENERGY

[www.worcesterenergy.org](http://www.worcesterenergy.org)  
508-799-1400 x 5  
[worcesterenergy@worcesterma.gov](mailto:worcesterenergy@worcesterma.gov)

De la ciudad energía oficina trabajando para implementar el Plan de acción climática de Worcester y proporcionando los recursos y las políticas que avance la eficiencia energética y utilización de energías renovables

### WORCESTER ENERGY

[www.worcesterenergy.org](http://www.worcesterenergy.org)  
508-799-1400 x 5  
[worcesterenergy@worcesterma.gov](mailto:worcesterenergy@worcesterma.gov)

Thành phố năng lượng văn phòng thực hiện các Worcester khí hậu hành động kế hoạch, và cung cấp các nguồn lực và các chính sách để nâng cao hiệu suất năng lượng và sử dụng của năng lượng tái tạo.

### SUSTAINABILITY HUB

912 Main Street Worcester  
(774) 239-7587  
[www.facebook.com/SusHub](http://www.facebook.com/SusHub)

The Sustainability Hub has information resources on energy, including examples of energy efficient products. National Grid sponsors the Sustainability Hub with Clark University, Holy Cross and WPI.

### SUSTAINABILITY HUB

912 Main Street Worcester  
(774) 239-7587  
[www.facebook.com/SusHub](http://www.facebook.com/SusHub)

El centro de sostenibilidad cuenta con los recursos de información en materia de energía, incluyendo ejemplos de productos eficientes de energía. National Grid patrocina el centro de sostenibilidad con la Universidad de Clark, Holy Cross y WPI.

### SUSTAINABILITY HUB

912 Main Street Worcester  
(774) 239-7587  
[www.facebook.com/SusHub](http://www.facebook.com/SusHub)

Trung tâm phát triển bền vững có nguồn tài nguyên thông tin về năng lượng, bao gồm các ví dụ về các sản phẩm tiết kiệm năng lượng. Điện lưới quốc gia tài trợ trung tâm phát triển bền vững. Đại học Clark, Holy Cross, và WPI.

