

UNIT 7

Identifying Low-Voltage & Lighting Equipment



In this unit you are going to learn about

- low-voltage
- lighting equipment

Warm-up

Write three places in your neighbourhood that have security cameras.



Activity 1a

Look at the following words. Write their Turkish translations in the blank spaces (Use a dictionary to help you).

- | | |
|-------------------|-------------------|
| ■ protect = _____ | ■ record = _____ |
| ■ detect = _____ | ■ monitor = _____ |
| ■ alert = _____ | ■ ring = _____ |

Activity 1b

Look at the following pictures. Write the correct word from Activity 1a above in the spaces.



monitor, record



DID YOU KNOW THAT

The UK has more security cameras than China: one for every 14 people!



Activity 2a

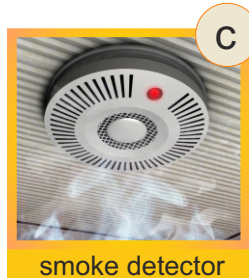
Look at the following low-voltage equipment items (a-e). Decide in which places (1-5) you can find them.



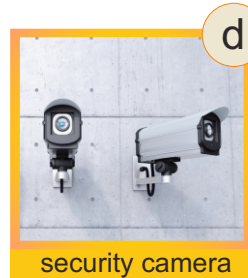
nurse alert



intercom



smoke detector



security camera



doorbell



Activity 2b

Now write a sentence for each picture above, as shown in the example.

Example: Security cameras are used in banks and shopping centres.

01	
02	
03	
04	



Activity 3

Write the names of four low-voltage equipment items. Where can you find them in your neighbourhood. Write two places for each of them.

	ITEMS	PLACES
a.	<input type="text"/>	<input type="text"/>
b.	<input type="text"/>	<input type="text"/>
c.	<input type="text"/>	<input type="text"/>
d.	<input type="text"/>	<input type="text"/>



Activity 4a

Are video security cameras in public places a good idea? Many people think that they are. What do most of your group think? Yes or No? Why? Discuss and make notes below.

VIDEO SECURITY OR NOT?

Now have a class discussion on the topic



Activity 4b

Read the following public comments. Then write four advantages of using security cameras in public places.

When we go into a public space anyone can see us. If you try to break the law, you may get caught. If you are not a criminal you have nothing to worry about. I definitely think we should have cameras. Then the government could find criminals easily. If you are a criminal then you do have something to worry about.

If I was a victim of a crime in a public, place I would be thankful for a camera to film it all. It would make catching the person easier. It would also deter (*belirler*) criminals from committing future crimes. No one wants to be on film robbing another person.

Security cameras can help stop criminal activity! With these new cameras around, the police will be able to stop a crime very quickly. They could see who is committing (*teşebbüs etmek*) the crime and where it is and get there very quickly. I support the idea of having security cameras in the city.

Having security cameras in public places is a good idea because people are less likely to commit crimes in the area if they know they're on camera the whole time. When they think about going to jail, they will probably avoid stealing or doing something bad.

Why not? If something happens, the police can figure it out because it is caught on camera. If you have nothing to hide, what's wrong with cameras watching you? Having cameras in public places makes people feel safe. If people know that there are cameras around they might not do anything stupid.



ADVANTAGES OF SECURITY CAMERAS

- 1 _____
- 2 _____
- 3 _____
- 4 _____



HOMELWORK



Have you changed your mind about security cameras now? YES/NO.

Find some interesting facts on the internet about camera surveillance(kamera izleme).
Write them in the boxes.

DID YOU KNOW THAT ?



Activity 5a

Look at the lighting equipment from a catalogue. Write the Turkish translation (or definition) of pendant lamp, track light and spot light.



LIGHTING EQUIPMENT

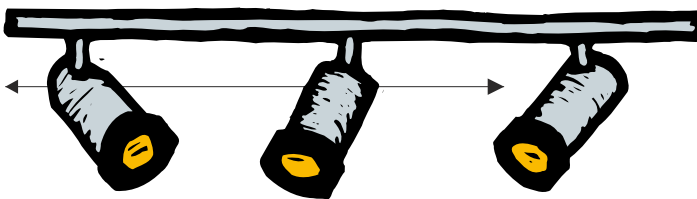
LIGHTING → the deliberate (bilinçli) use of light to achieve a practical or aesthetic (estetik) effect.

ENGLISH	TURKISH
pendant	_____ → _____
track	_____ → _____
spot	_____ → _____

<p>MINUT Pendant lamp \$29.99</p>	<p>Ceiling track, 3 spotlights \$18.99</p>	<p>Ceiling spotlight with 3 lights \$39.99</p>
---	--	--

Note :

Track



ceiling track with 3 spotlights



ceiling spotlight with 3 lights

Activity 5b

Now, label each of the six lights: pendant, spot or track light.

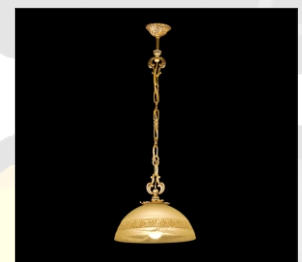












Activity 6a

Look at the following room types. Circle the ones you have in your house.

bedroom master-bedroom playroom attic kitchen en-suite bathroom

utility room (laundry) cellar child's room hall dining room office or study

Activity 6b

For which room types above can you use the indoor lighting styles below? Explain.

INDOOR LIGHTING STYLE

ROOM TYPE

INDOOR LIGHTING STYLE



ceiling light/lamp

We can use a _____
in the _____

We can use a _____
in the _____



chandelier

We can use a _____
in the _____

We can use a _____
in the _____



wall light/lamp



recessed light (gömme ışık)

We can use a _____
in the _____

We can use a _____
in the _____

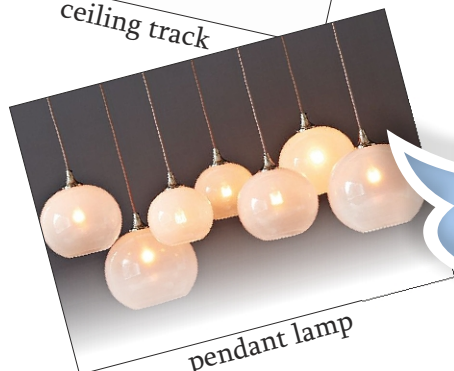


ceiling track



ceiling spotlight

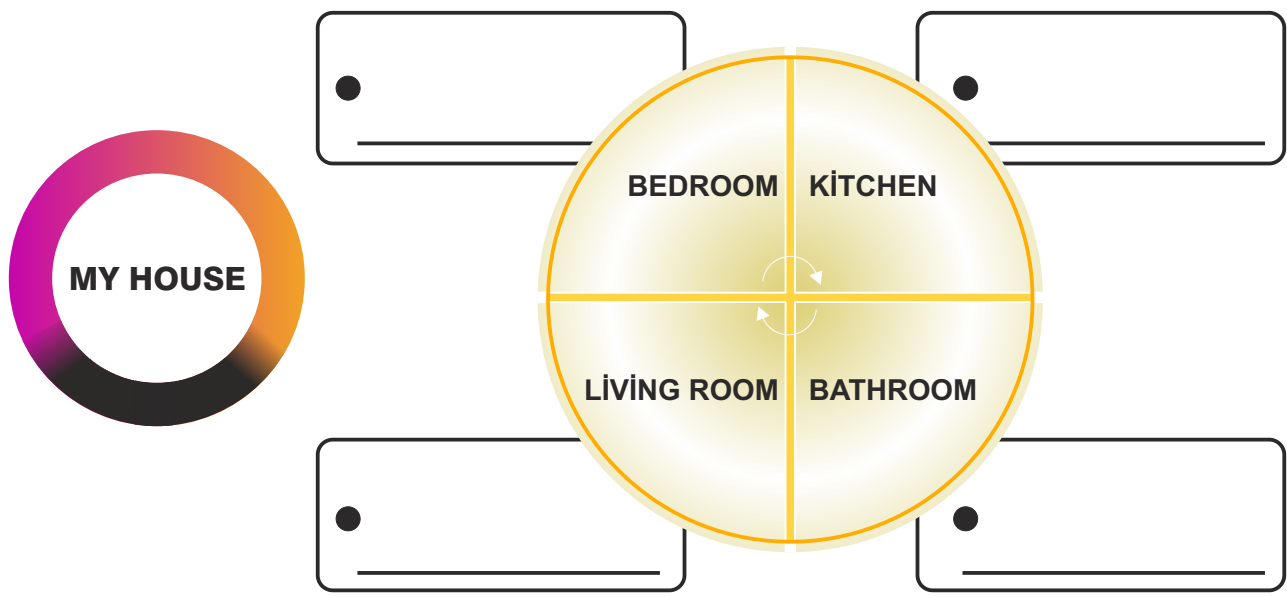
We can use a _____
in the _____



pendant lamp

Activity 7

What types of indoor lighting are there in your house? Write the types that you have in each room.



Activity 8

Look at the following outdoor lighting styles. Fill in the missing parts with a word from the box.

fan ceiling street floodlights wall pendant lantern



outdoor _____ light



outdoor _____ light



outdoor _____



outdoor ceiling _____



outdoor _____



_____ lights



Activity 9

We can categorize the lighting styles as Indoor, Outdoor and Industrial. Which type do you think the following lighting styles are? Why do you think so?



They are _____
 because _____

 **Activity 10a**

INDOOR LIGHTING

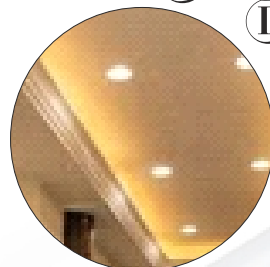
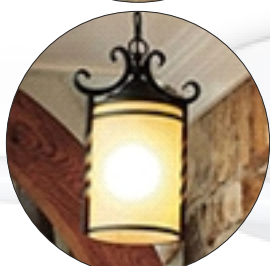
Name the following indoor and outdoor lighting types.

OUTDOOR LIGHTING

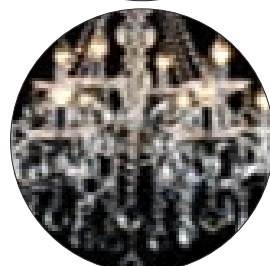


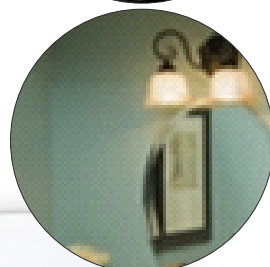














 **Activity 10b**

Imagine you are moving to a new house. What type of indoor and outdoor lighting styles would you like? Write them below.

I'd like _____

in my bedroom.
livingroom.
kitchen.
bathroom.
garden.

**Now share your choices with your partner.*

Information Box



BRIGHT PATH Lights outside Wellman Hall at the University of California, Davis, are designed to brighten as cyclists approach, then dim once they have passed.



Activity 11

a Here are customer comments about Magic Lighting.com. First read them carefully.



"Very reasonable shipping for a tiny light bulb. Most other sites are outrageous. I decided to buy four bulbs instead of one because your shipping was reasonable and the bulbs are hard to find locally."

Kimberly H.



"Excellent product from a caring company. I had no idea these lights were so expensive, but now that I have it hooked up it is definitely worth it. I'm really impressed with the packaging and shipping care. You sure have a lot of products from which to choose. You are my new 'go to' place for future lighting needs."

Kathryn V.



"Magic has a great selection of lighting and good prices. Shipping was fast with no problems. Will be buying from them in the future."

David W.



Linda R.

"Very easy to find what I was looking for. Pricing was very good."

Zach K.

"Magic Lighting has a variety of products that have allowed our company to expand and improve our presentation. We appreciate the variety, the accuracy and timeliness of their order fulfilment."

"As always magic has proven to be the best when it comes to lighting and customer satisfaction. This isn't our first purchase from Magic and it certainly isn't the last."

Robert M.



"Seem to be knowledgeable in the items they sell. Offer good quality merchandise, decent prices, and they keep it competitive. Careful packing. Doing business with them since January 2006."

Moe N.



"Excellent customer support."

Karl E.

"Good product and price, delivered fast. Thanks."



Keith B.

b Match the following words (a-i) with the definitions. Write the letters in the circles.

a. outrageous b. reasonable c. selection d. expand
e. appreciate f. satisfaction g. purchase h. decent i. deliver


1. to bring or transport to the proper place.
2. extremely unusual or unconventional; extraordinary.
3. to buy something.
4. moderate in price; not expensive.
5. a number or variety from which to choose.
6. meeting accepted standards.
7. to be thankful.
8. to increase the size, volume, quantity.
9. the state or feeling of being satisfied; contentment; pleasure.

○
○
○
○
○
○
○
○
○
○



c Read the customer comments above again. Write five advantages of buying from Magic lighting.

① _____
② _____
③ _____
④ _____
⑤ _____

 *Compare your results with the other groups.

HOMEWORK



Find pictures or take photos of different types of lighting (examples of indoor/outdoor/industrial lighting) around you. Bring them to the next lesson.

PROGRESS AND SELF-ASSESSMENT

In this unit,

- I liked _____
- I did not like _____
- I learnt _____
- I learnt the following new words/phrases _____

CHECK WHAT YOU REMEMBER









1 Complete the chart of low-voltage equipment.

LOW-VOLTAGE EQUIPMENT



2 Fill in the missing parts to complete the catalogue below.

 <p>TRAL Ceiling _____ with 3 lights \$29.99</p>	 <p>FILLSTA _____ lamp \$29.99</p>	 <p>TROSS Ceiling _____ 3 spotlights \$9.99</p>
 <p>LERDAL _____ \$49.99</p>	 <p>MINUT _____ lamp \$19.99</p>	 <p>ERBIUM _____ lamp \$24.99</p>