Lighting

By Eric Foo

Workshop Overview

Lighting

Types of Light

Lighting Equipment

Electricity and Safety

Hands on

Why Lighting

- Can't shoot what you can't see

- Adds interest, mood, drama

- The 3 most important things in video are:

  - Lighting, lighting, lighting

  - Poorly lit video look unprofessional! Be excellent
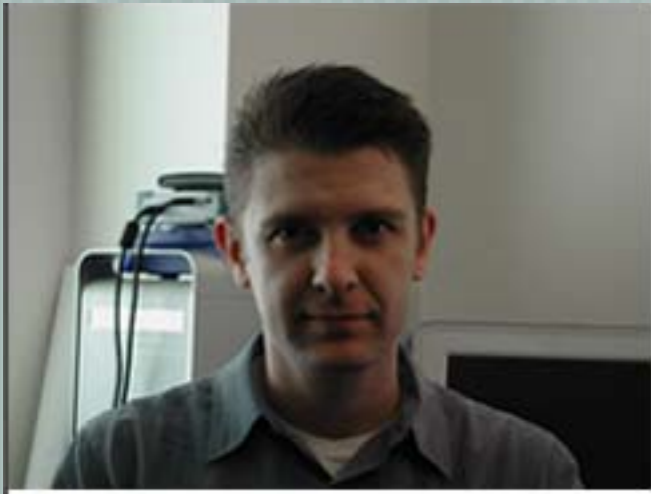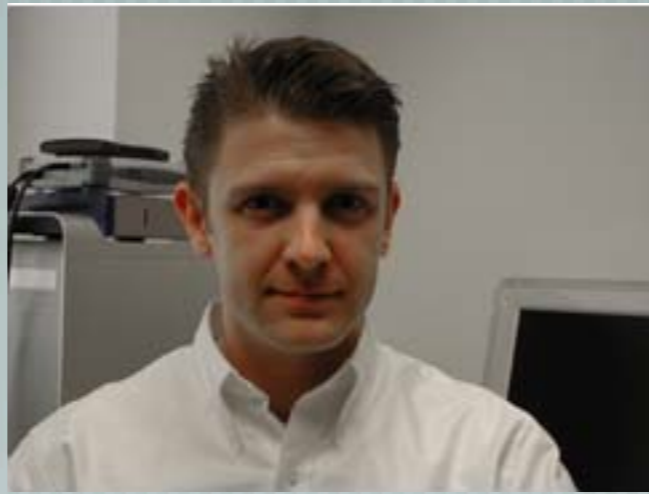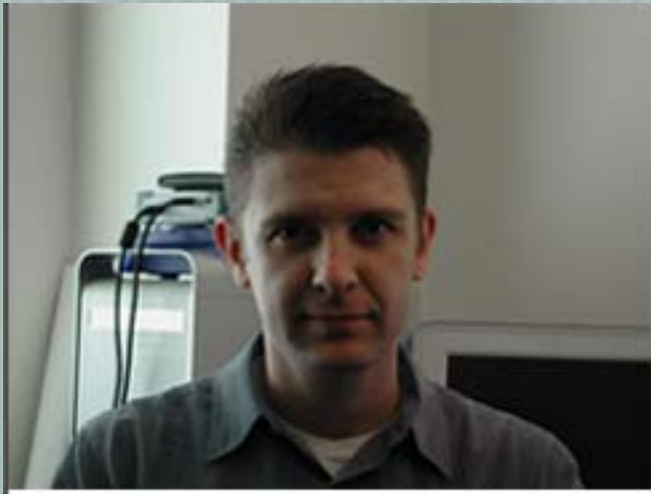
Lighting

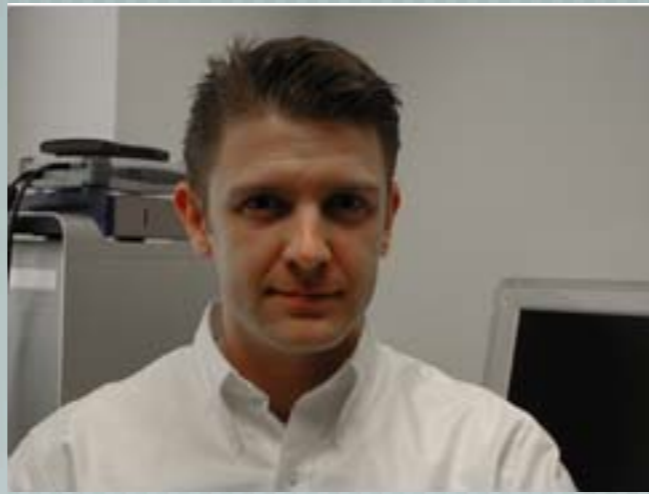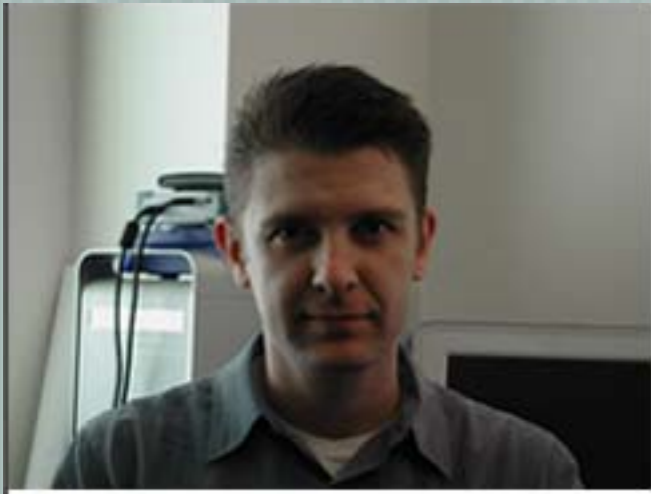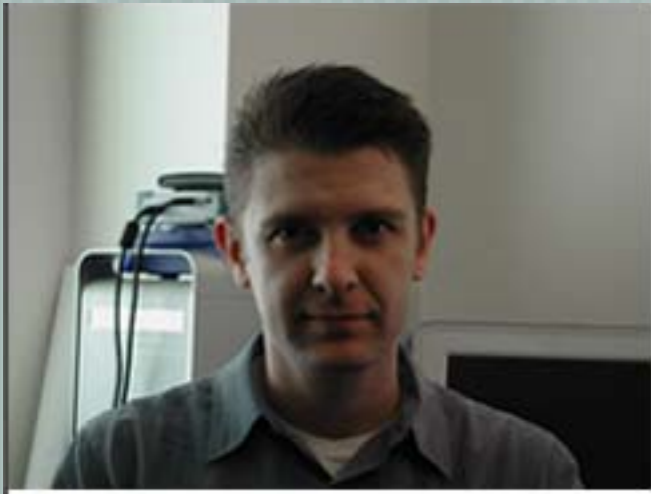# Lighting

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Types of light

Many types of lighting instruments

Quality of light

- Hard-sharp, strong, hard shadows

- Soft-diffuse, soft edges on shadows

Tungsten

- Most Common Lighting Instruments

- Open Face-Red Heads/Lowels

- Fresnels/Arri

Lights

Lights

Lights

Lights

Lights

Lights

Lights

Lights

Lights

Lights

Lights

Others

- HMI
- Fluorescent/Kino
- LED

More Lights

More Lights

More Lights

More Lights

More Lights

More Lights

More Lights

Lighting Equipment

Lighting Equipment

Professional Lights

No Budget?

DIY

DIY

Flood/Work Light-300W-500W

Clamp Light

Chinese Lantern with 200W Photoflood bulb

Reflectors/Car Shades/Shower Curtain
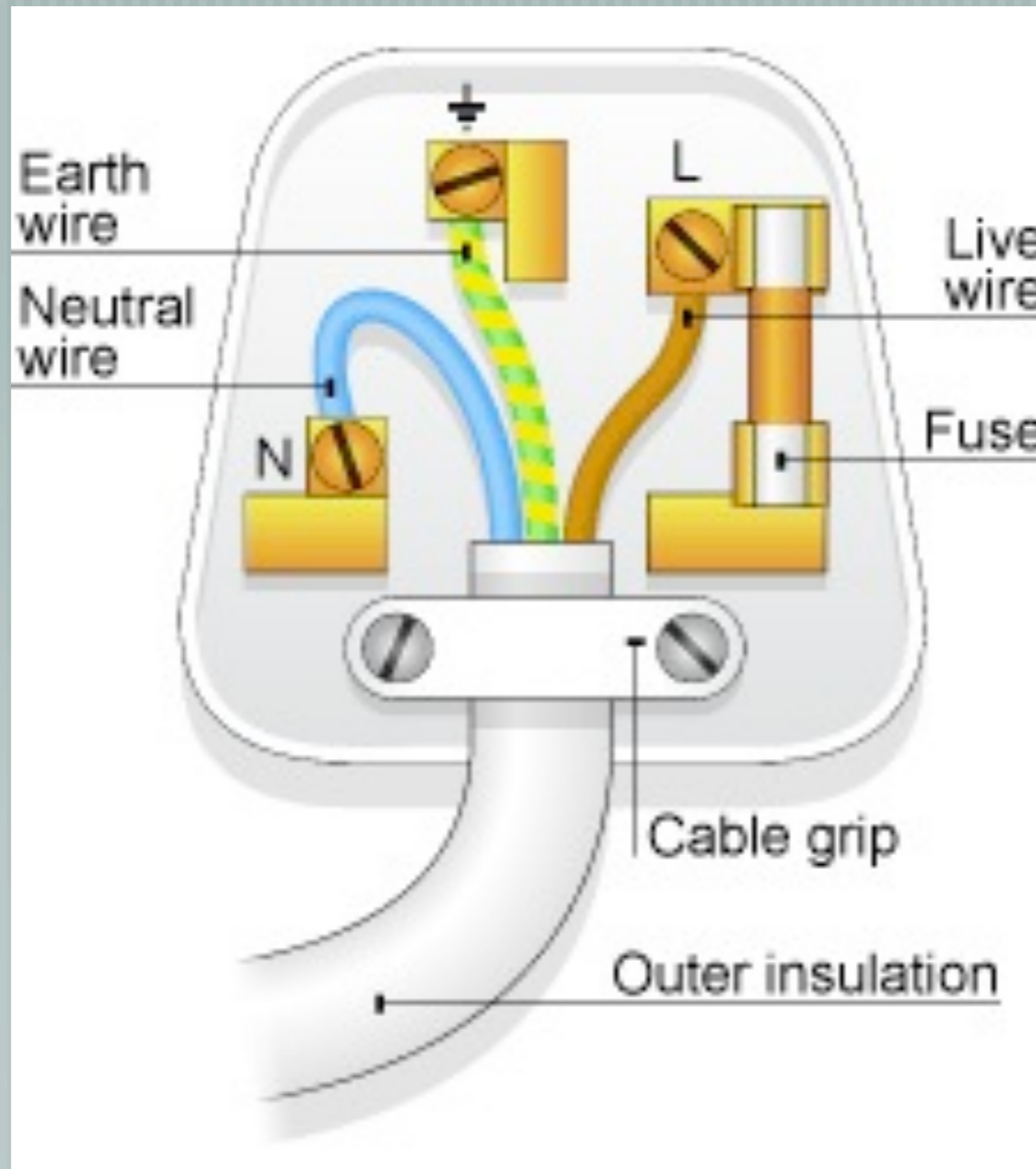
DIY Lights

DIY Lights

DIY Lights

DIY Lights

DIY Lights

DIY Lights

DIY Lights

3 Pin Plug

Safety!

- Lighting is Dangerous!
- Risks
  - Fire
  - Electrocution
  - Impact Injuries

Safety

Lights are HOT!-Gloves, Flammables, Fire Extinguisher

Check all plugs and connections

Make sure no short circuits

Sand bag/Cables out of the way

Setup Stands Properly

Keep Equipment Organised

3 Point Lighting

Key

Fill

Hair light (Kicker)

Why?

Screen is 2D. 3 Point Lighting adds Depth

Key Light

Main Light

Strongest Light
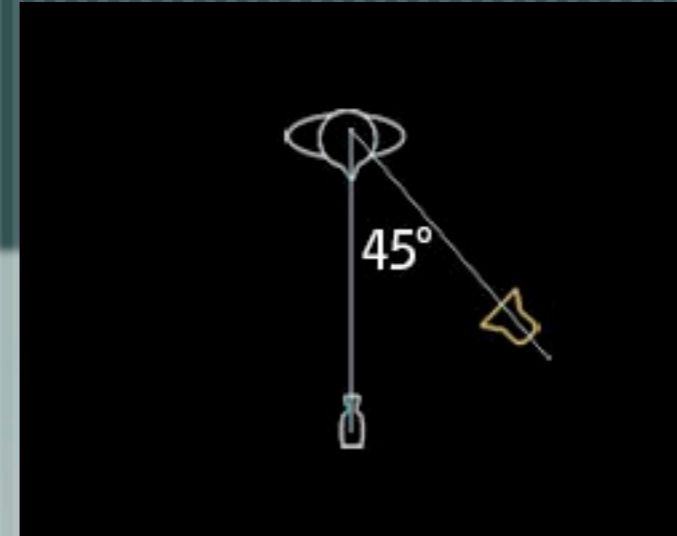
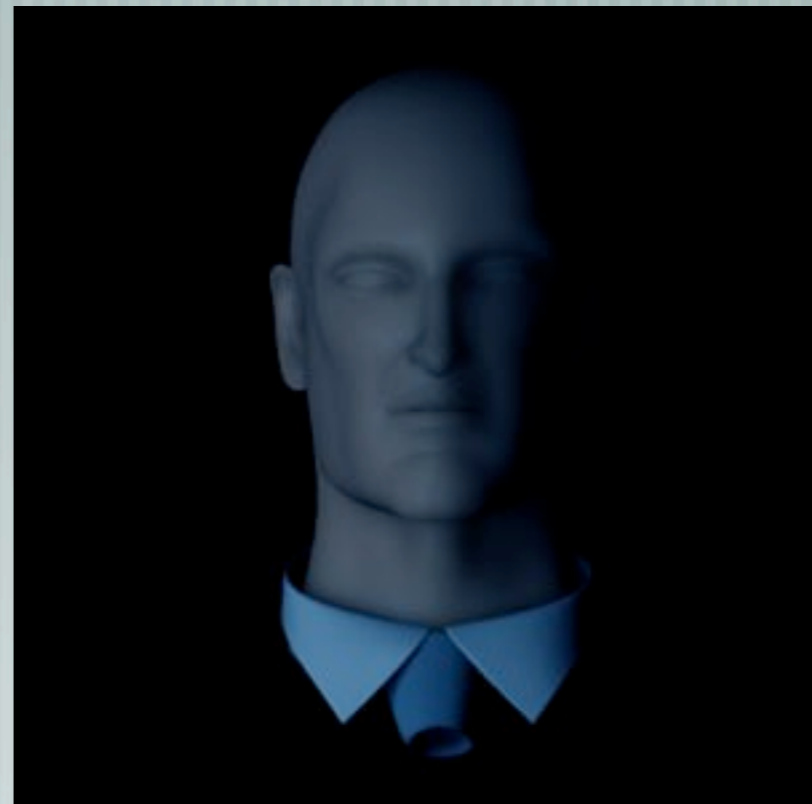1st Light you set up. Set Exposure

15° - 45° from camera

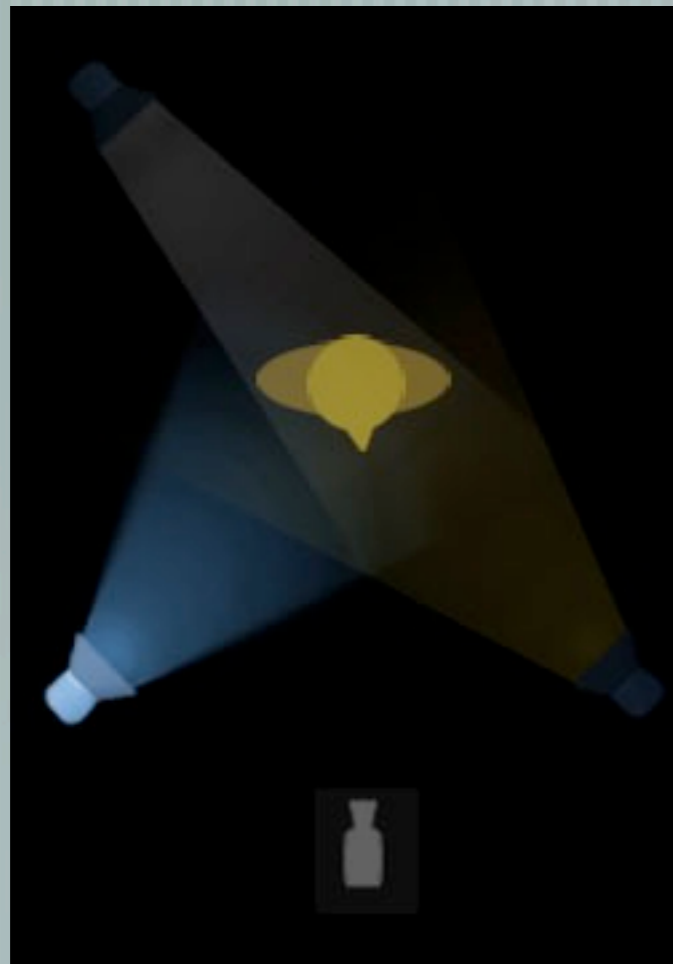# Key Light

Key Light
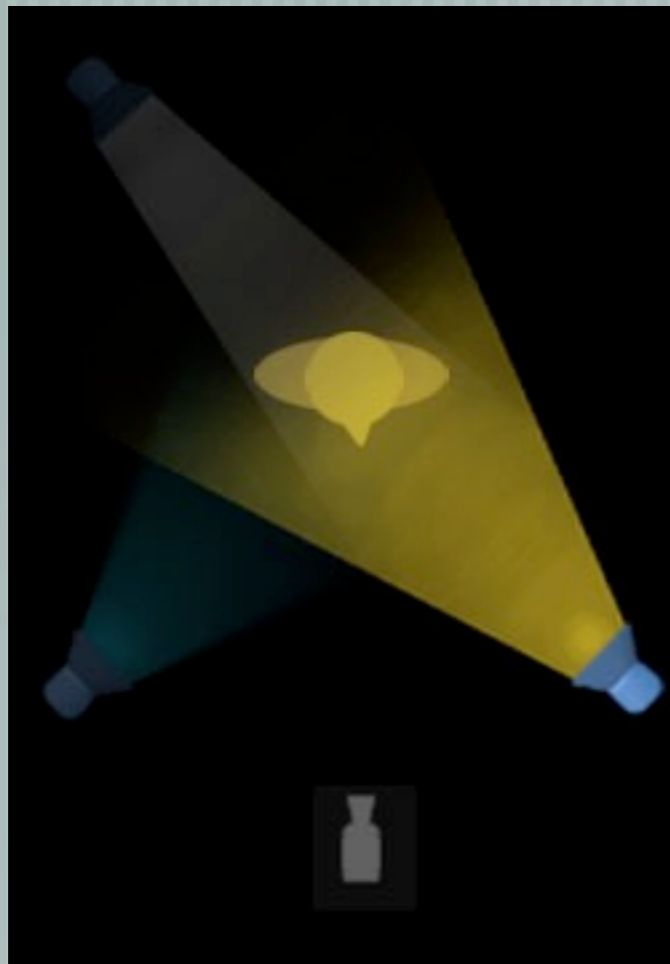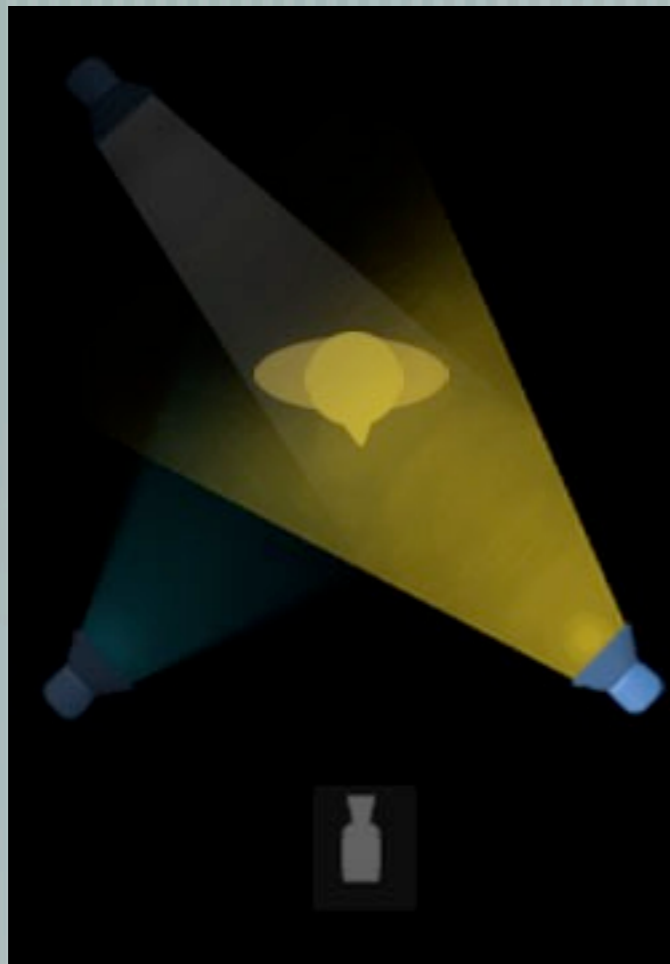
Key Light
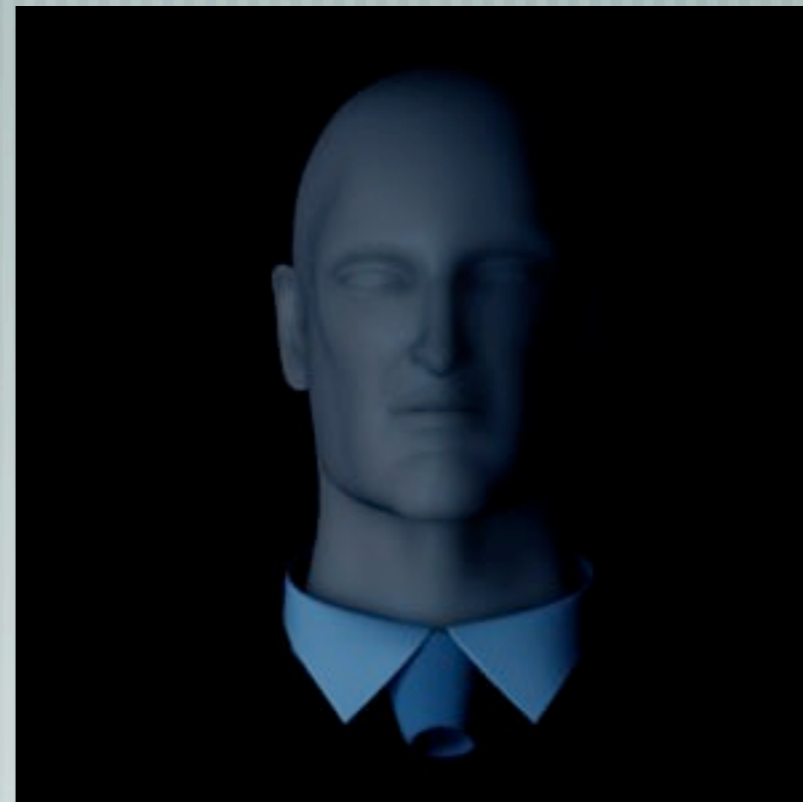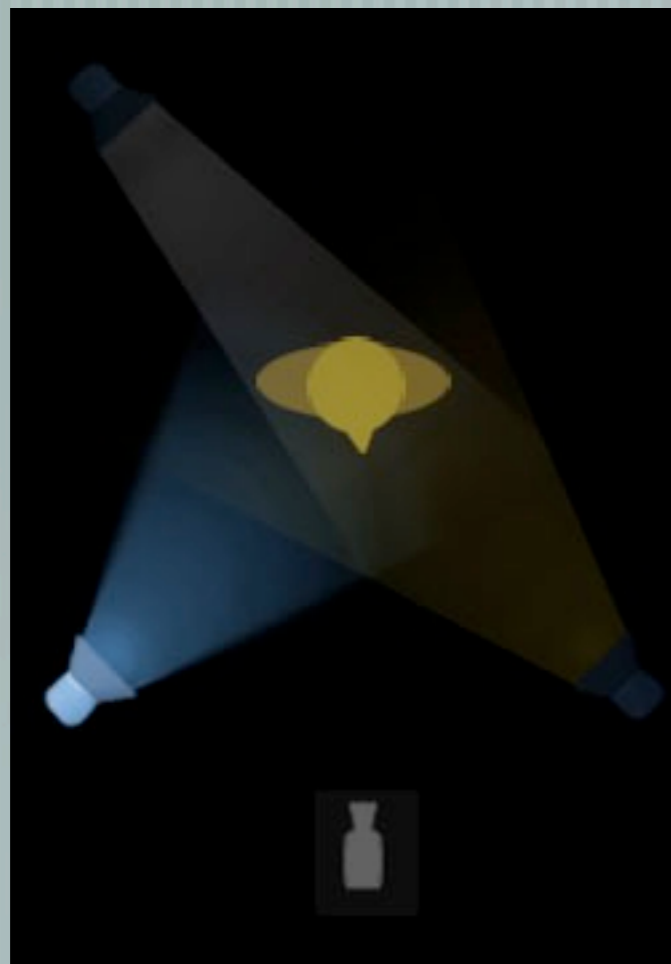
Key Light
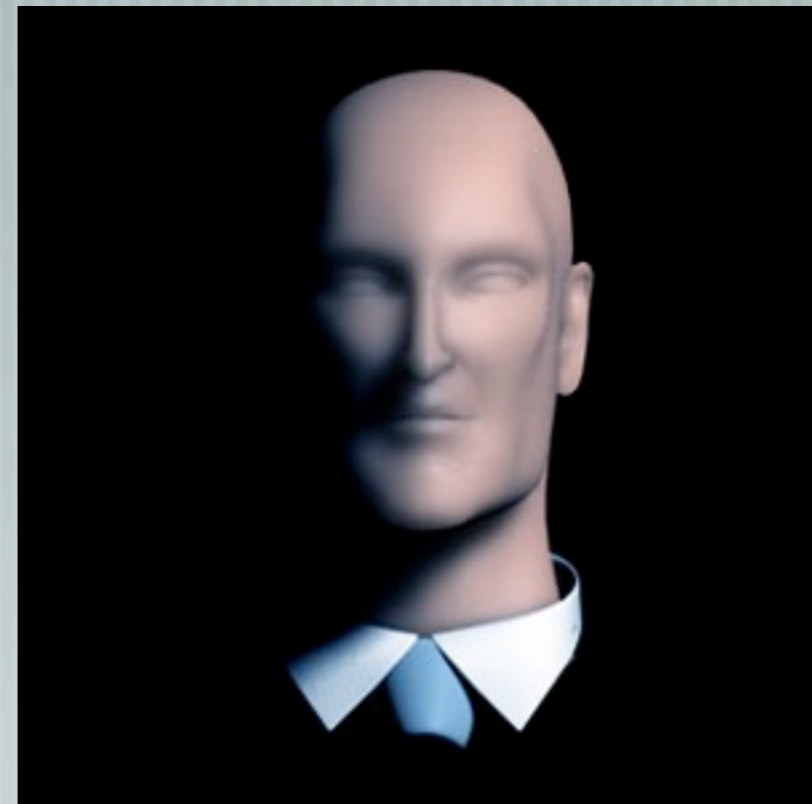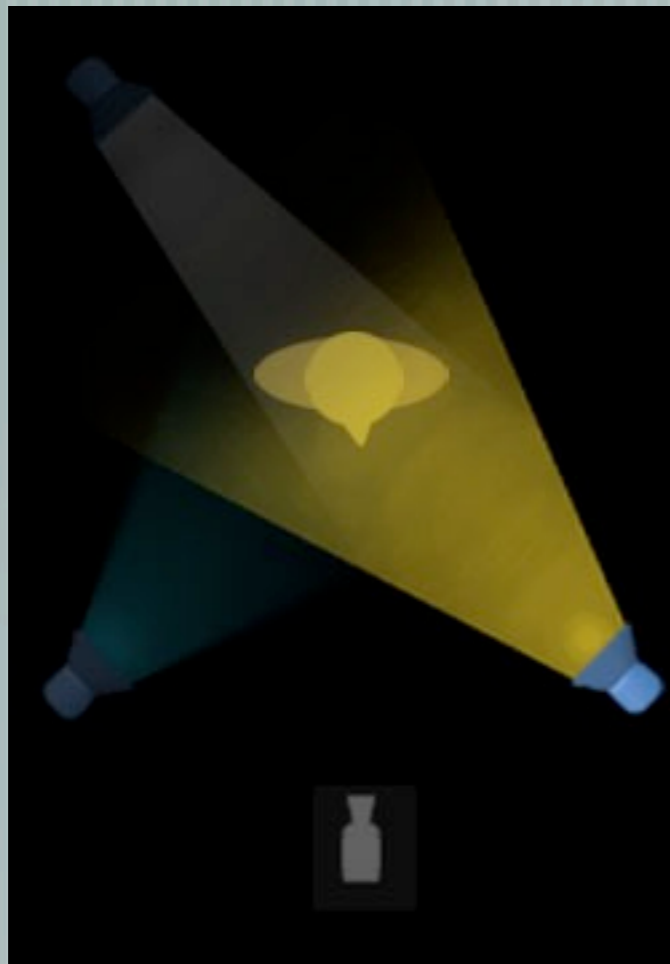
Fill Light

- 2nd Light to set up

- Fills in shadows caused by Key

- $\approx$ 50% of Key

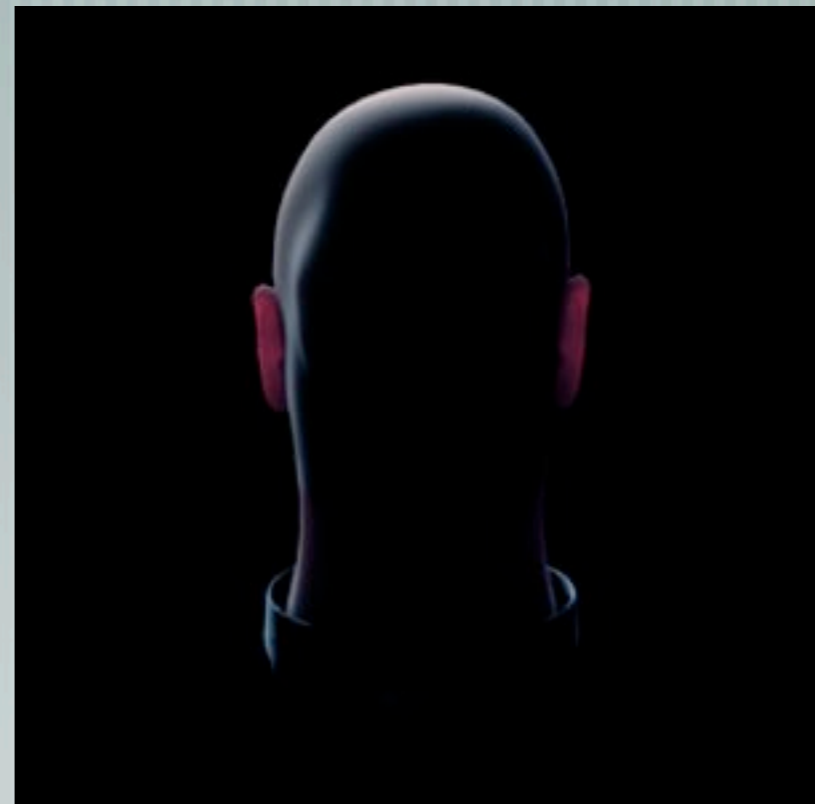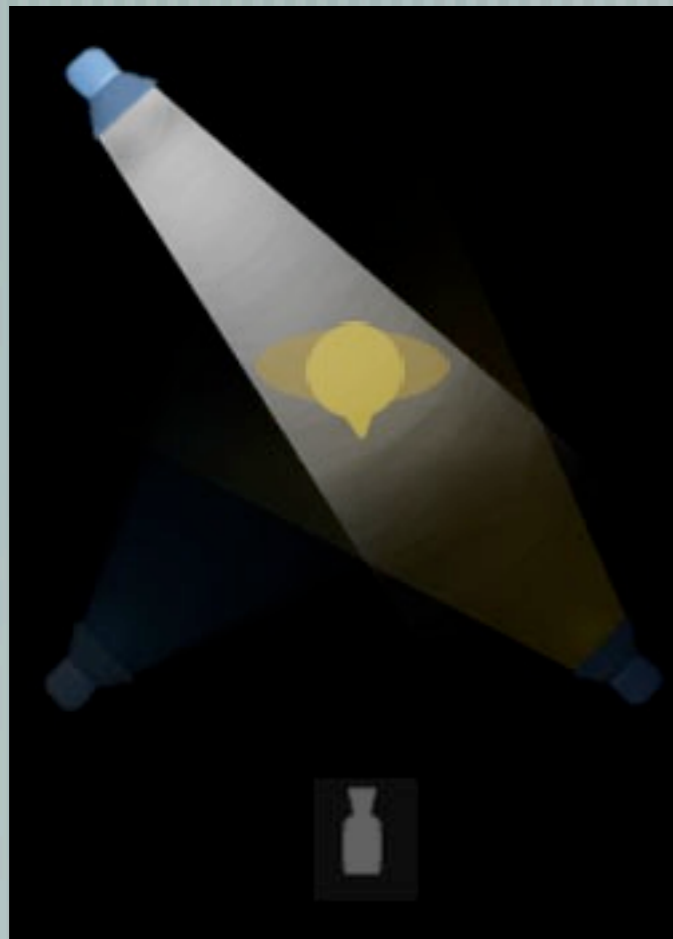# Fill Light

Fill Light

Hair Light/Kicker

Set up 3rd

Purpose is to make subject stand out from background

Adds to 3D look
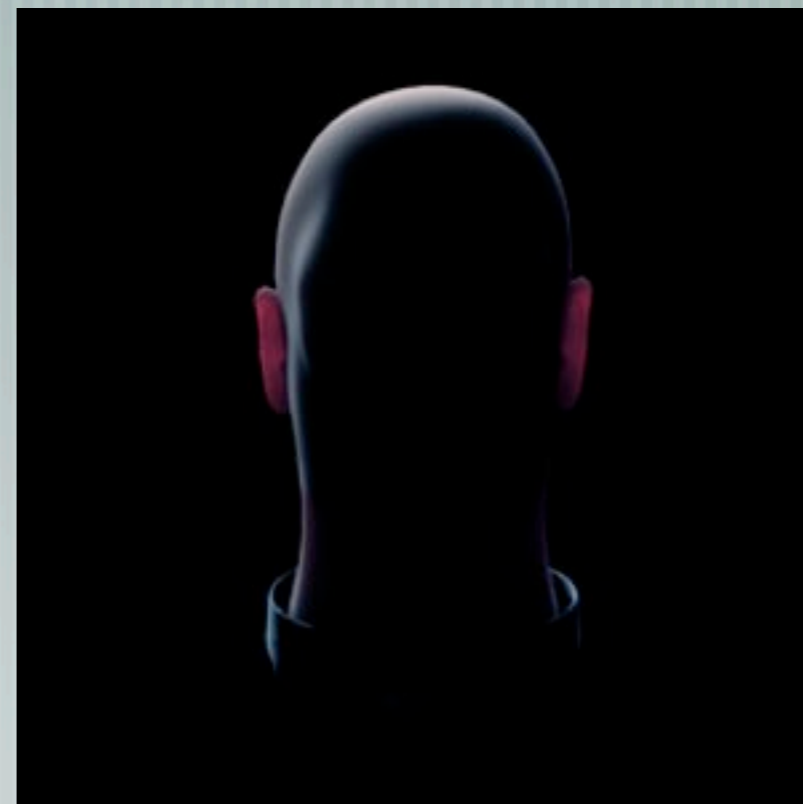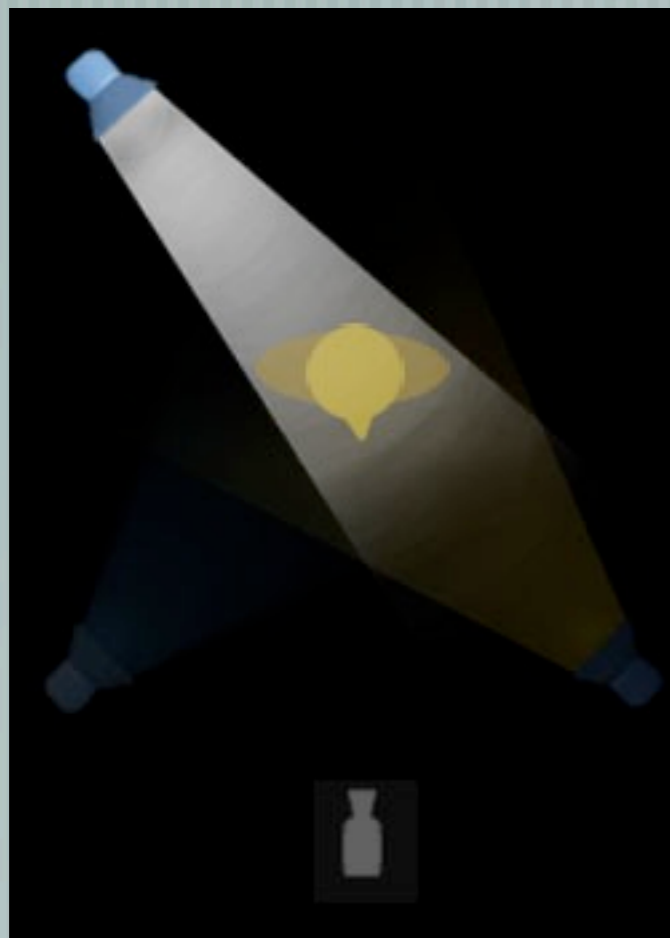
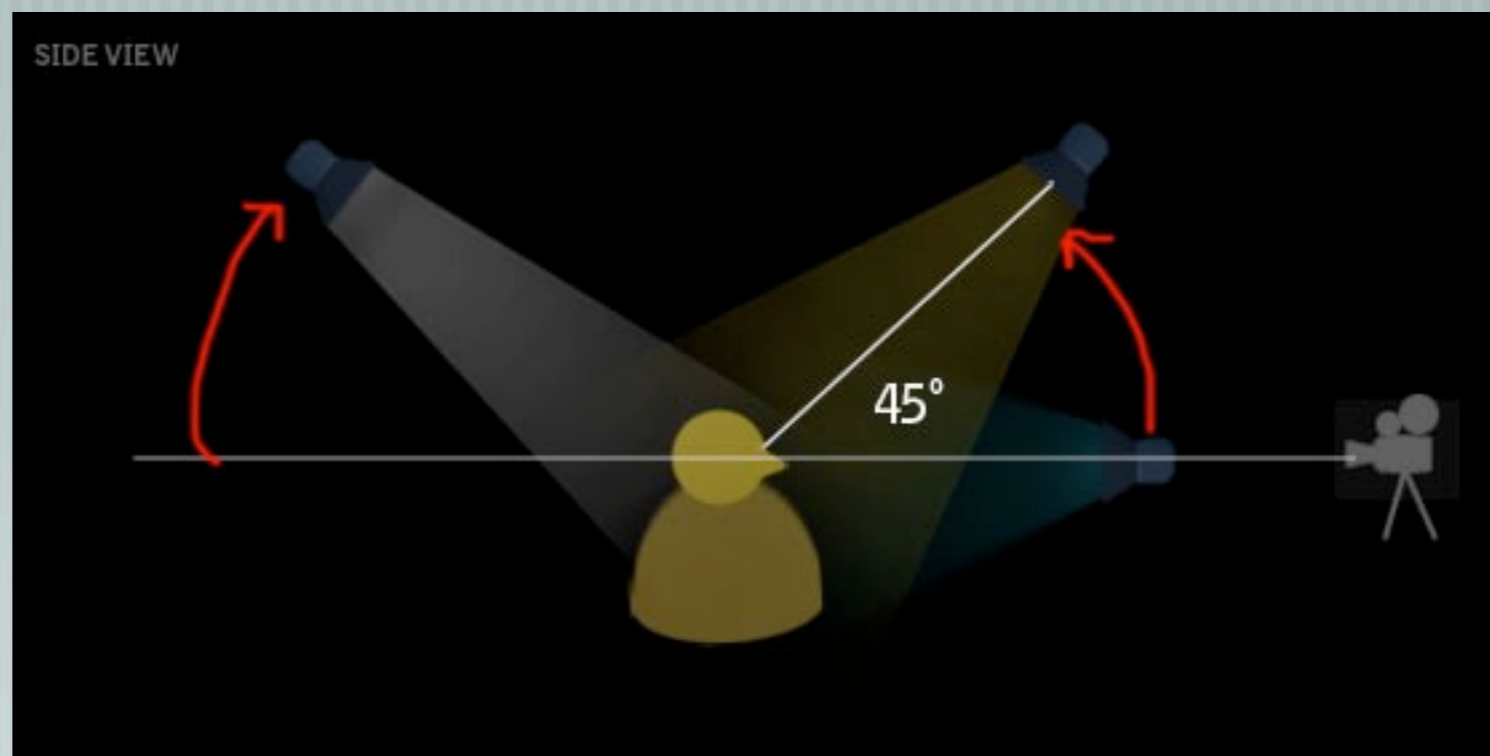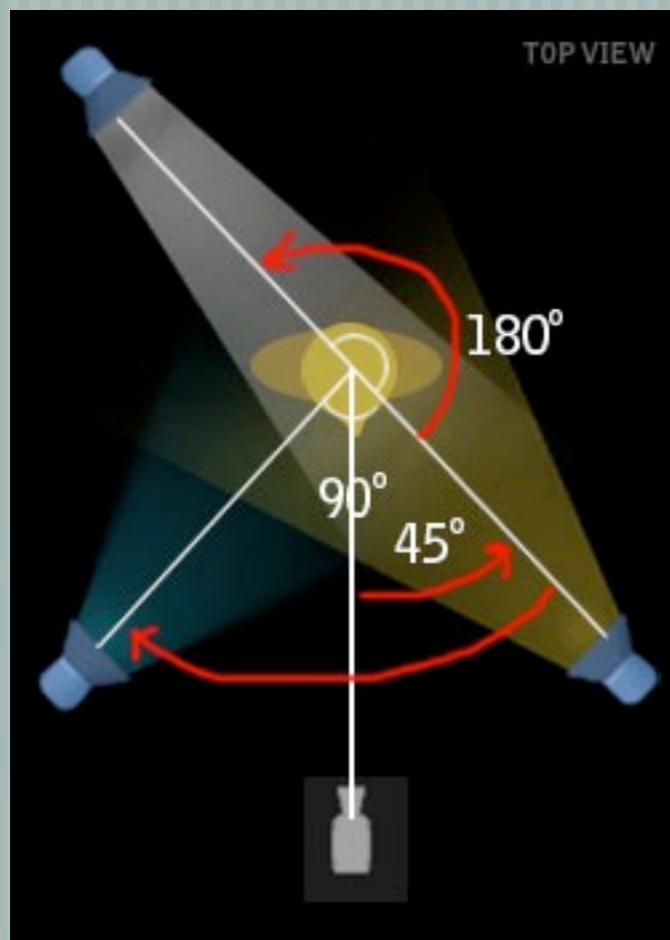Light head and shoulders, make hair 'glow'
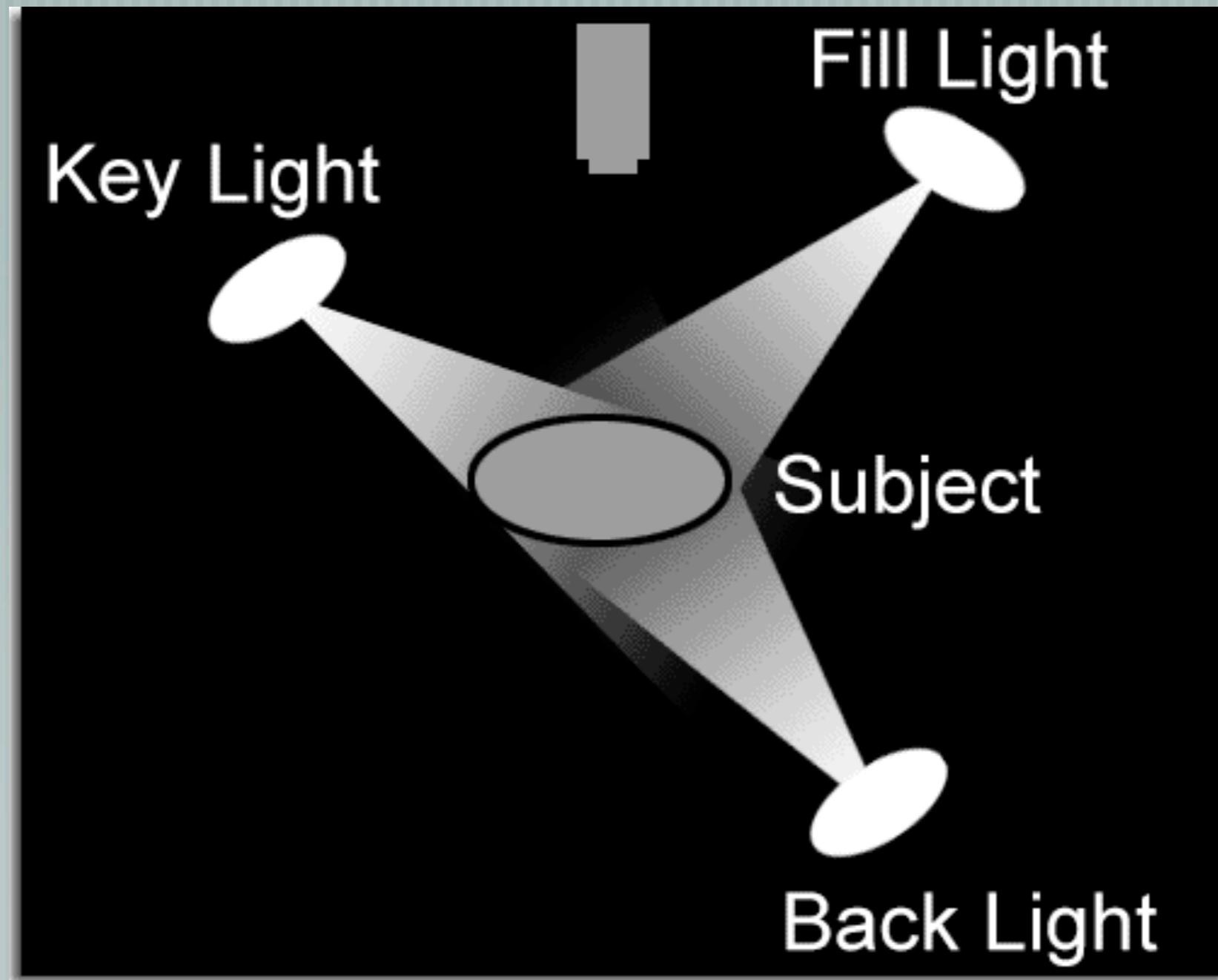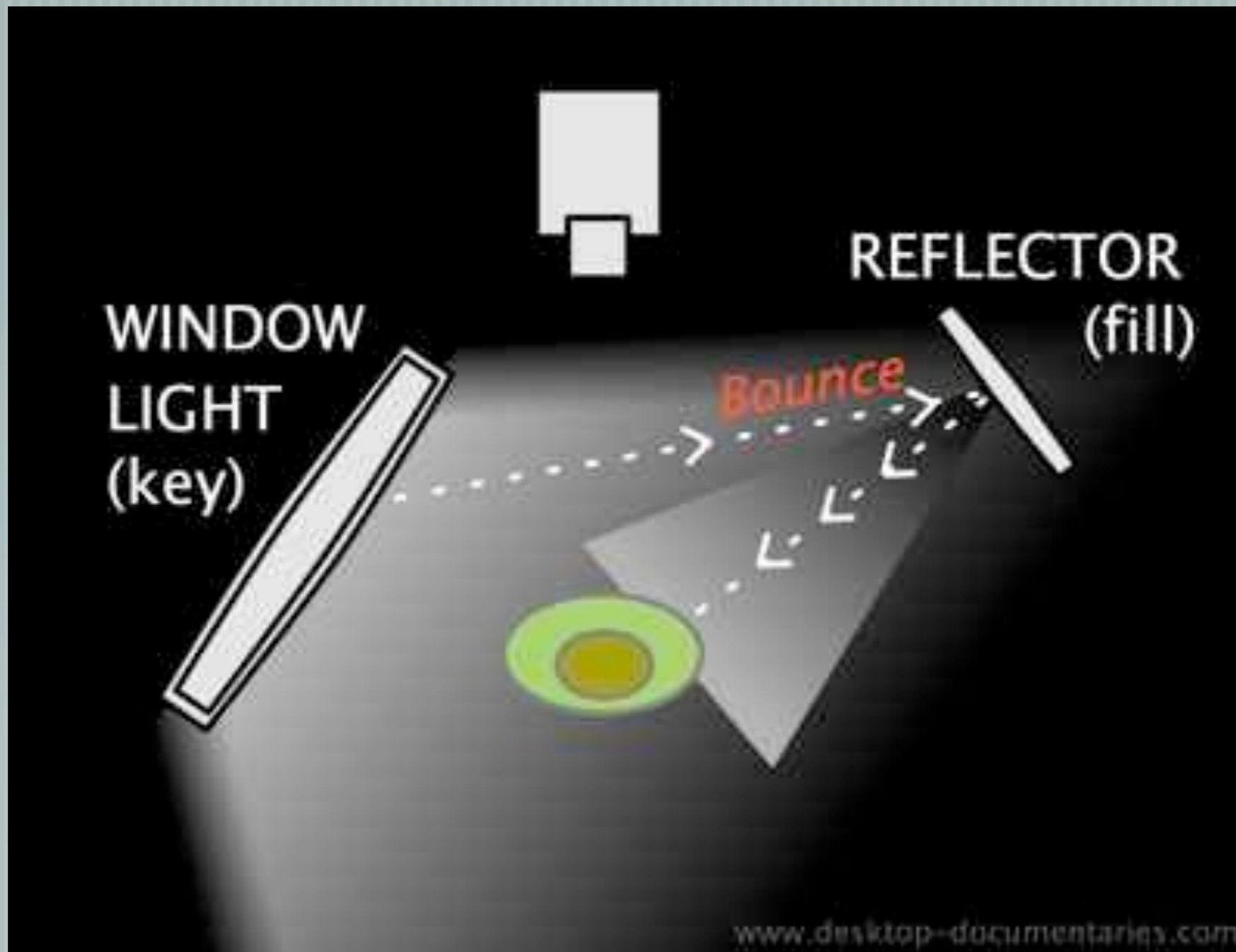
Less that 50% of key

Hair Light/Kicker

Hair Light/Kicker
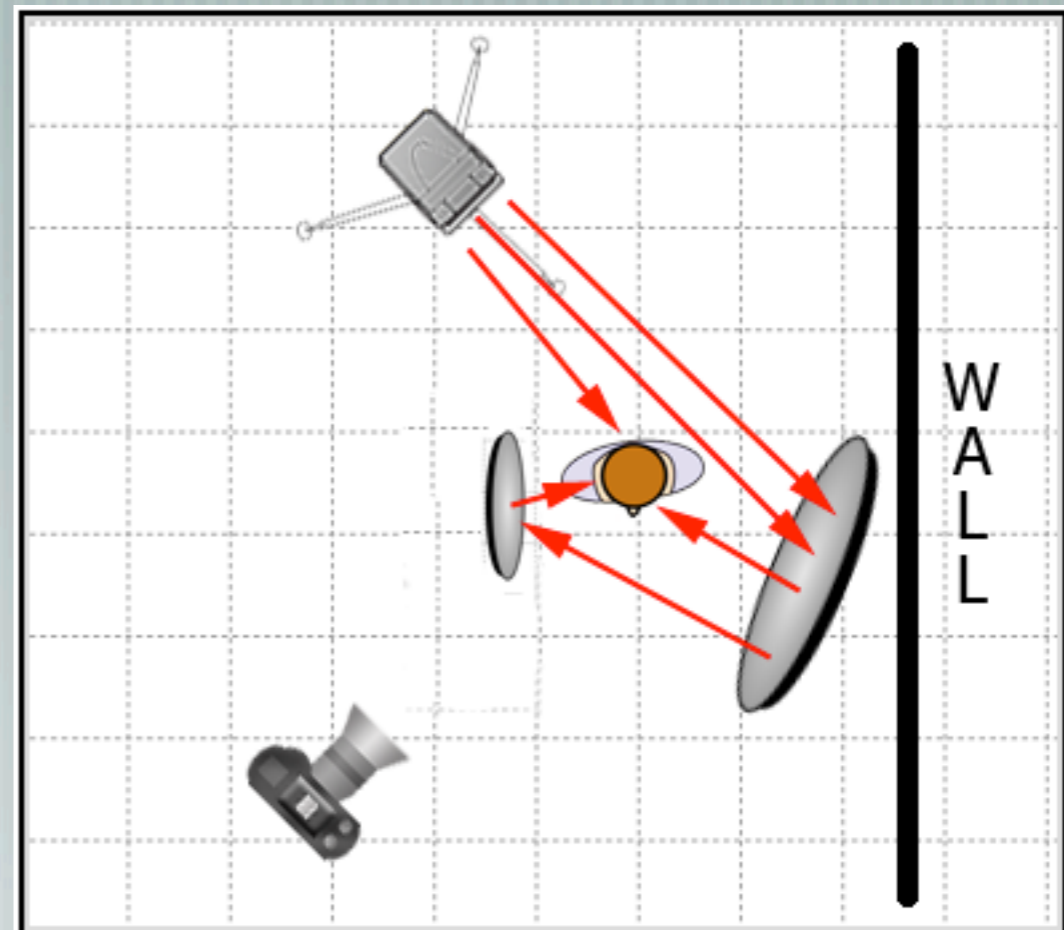
3 Point Lighting

Examples

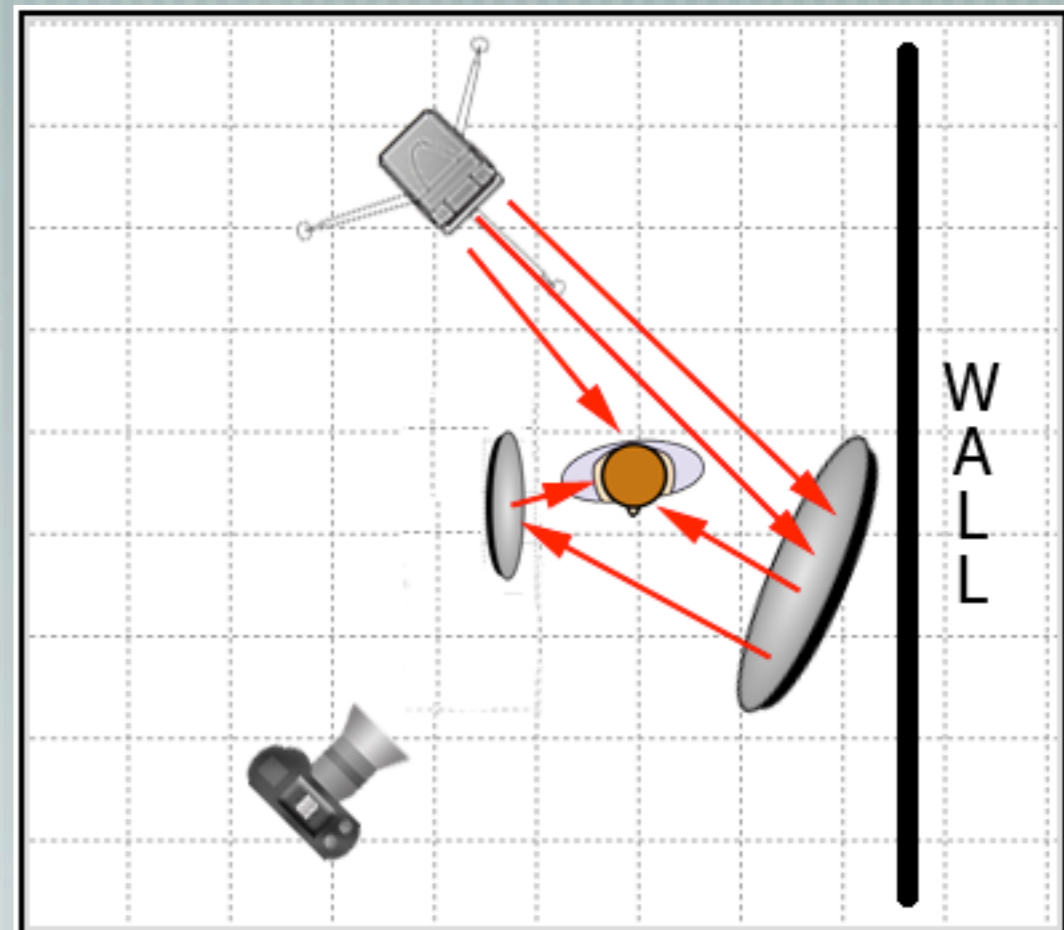# Existing Light

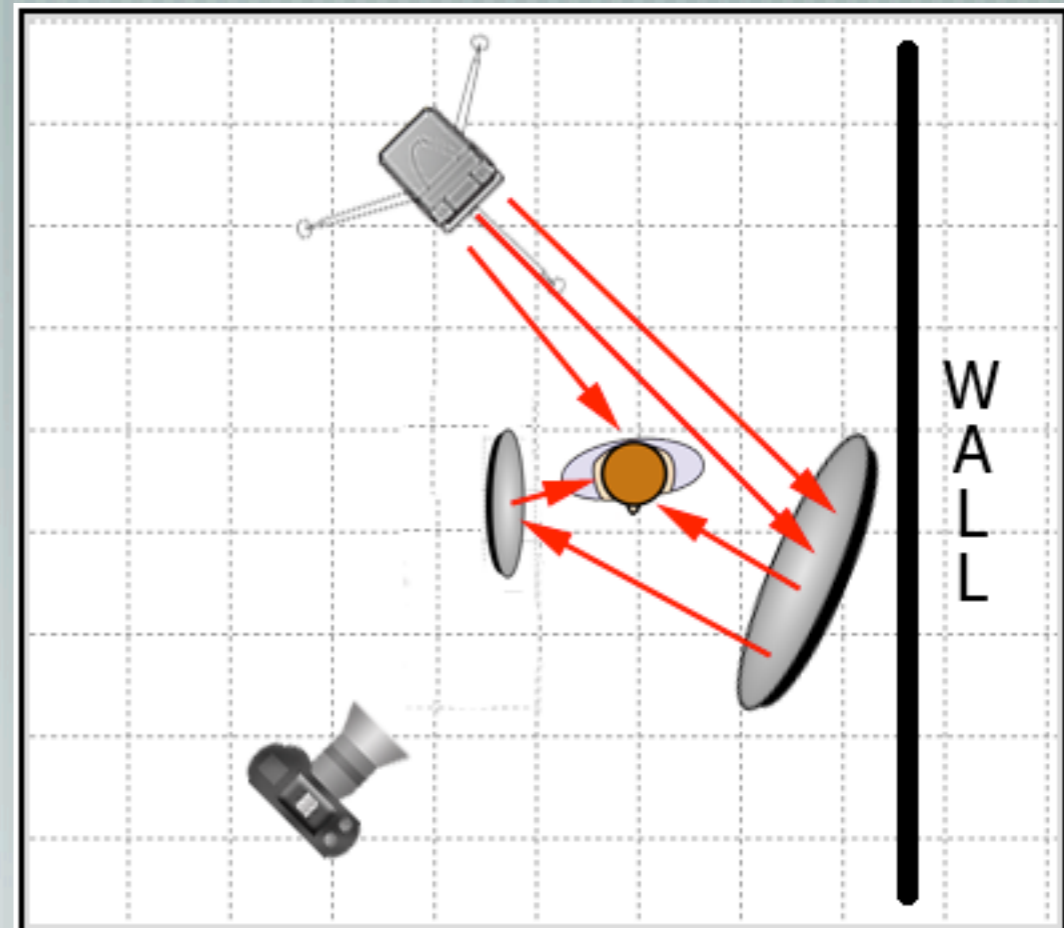# Where is the Main Light?

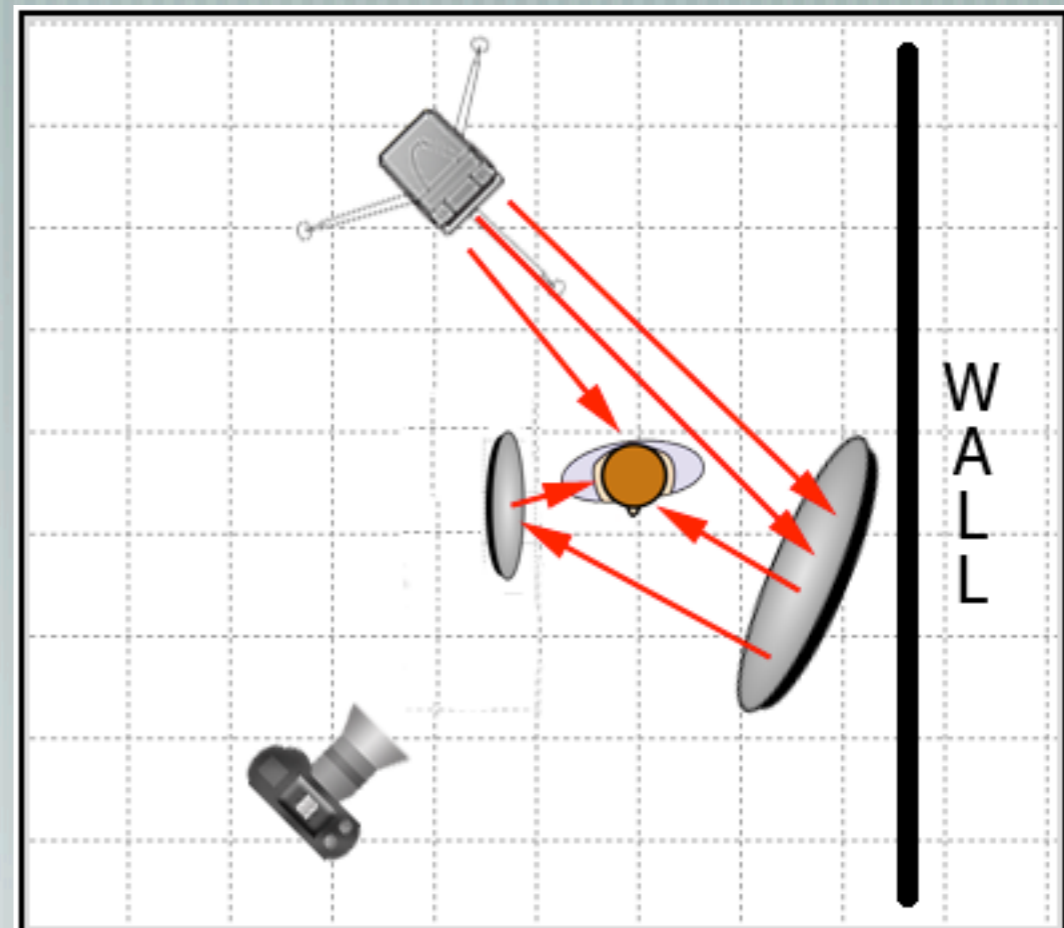# Where is the Main Light?

Where is the Main Light?

Where is the Main Light?

Where is the Main Light?

Where is the Main Light?

4th Point

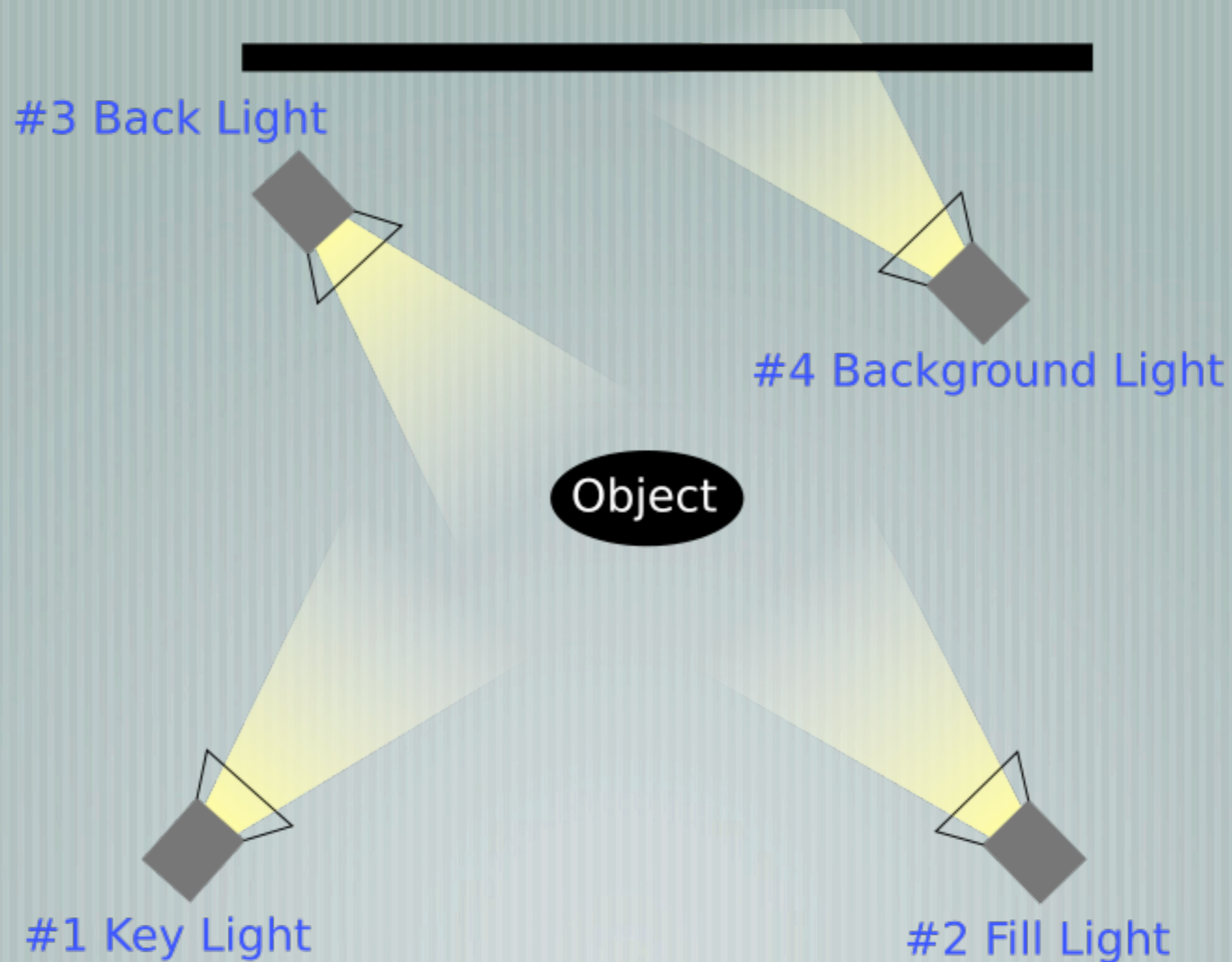Light the background

Not brighter than subject

Add interest

— Mood

— Context

— Use cookies/gels

4 Point Lighting

#3 Back Light

#4 Background Light

Object

#1 Key Light

#2 Fill Light

Example

Example

Example