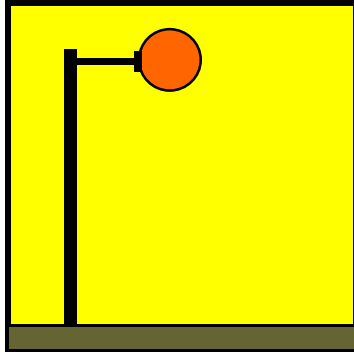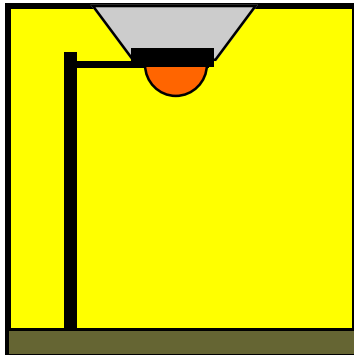# Luminaires – The Worst, the Bad, the Better and the Best!

Knowing the different kinds of luminaires in use will help you make the right choices when it comes to choosing LEC-Compliant lighting fixtures for whatever you are doing.
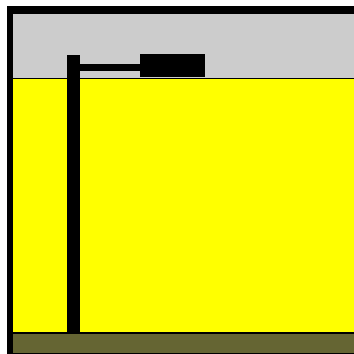
The Worst -

- Globe or cone luminaires
- light goes in all directions and into the sky
- almost all light is wasted
- high light waste, trespass, glare and pollution
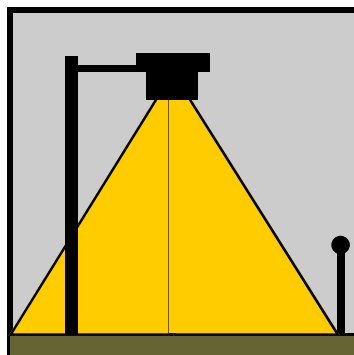- lighting-inefficient

The Bad -

- Sag & cobra-Head Luminaires
- most light is actually wasted
- light is projected into the sky
- high levels of light waste, trespass, glare and pollution
- lighting-inefficient

The Better -

- "full-cutoff" lights – light is only visible below the horizon line
- only partially shielded
- broad coverage on ground
- is not limited to the property line or other desired area
- lighting-inefficient– light waste
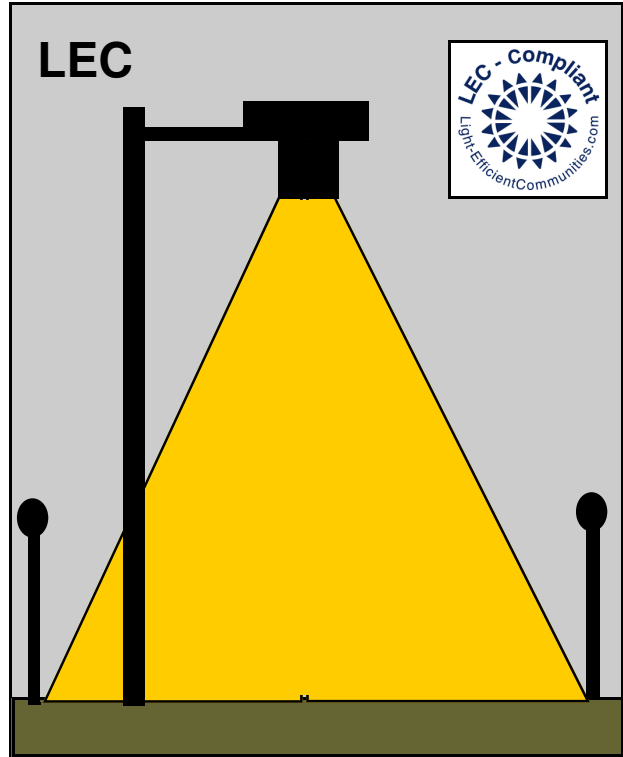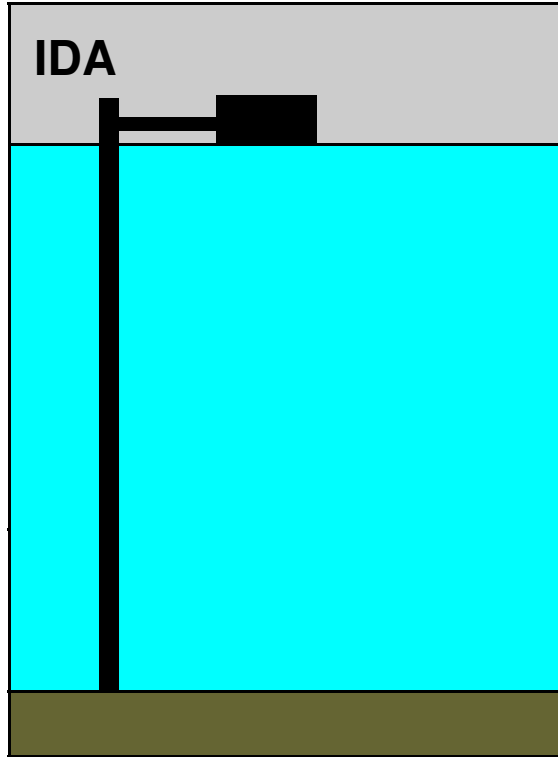
The Best –

- fully-shielded to LEC specs
- only the target area is lit
- no light beyond property line
- light and energy-efficient
- LEC-Compliant – meets LEC specifications at highest level at competitive cost
- 2700K or less colour temp.

Luminaires – IDA-Approved VS. LEC Specs. Luminaires

Below: The IDA Approved color and lighting pattern and the LEC-Specified lighting pattern as well as different color temperatures (3000K vs <=2700K).

IDA

LEC

LEC - Compliant
Light-EfficientCommunities.com

- light is visible anywhere below the
  horizon line of the luminaire
- shielding is only above the horizon line
– light from these luminaires may be
  visible for miles
- very broad coverage on ground
- coverage will be far beyond the
  property line and area of concern
- LED efficient at blue 3000K

- fully-shielded to LEC specifications
- only the desired target area is lit
- no light beyond property line
- light and energy-efficient: uses LEDs
- LEC-Compliant – highest level of
  shielding and environment protection
- 2700K or less colour temperatures to
  minimize negative effects of blue light
- recognized by IDA

See: www.Light-EfficientCommunities.com for more information