# Simple Light Sources

# Types

#### Directional

- All light rays have the same direction
- Simulates parallel rays of sun

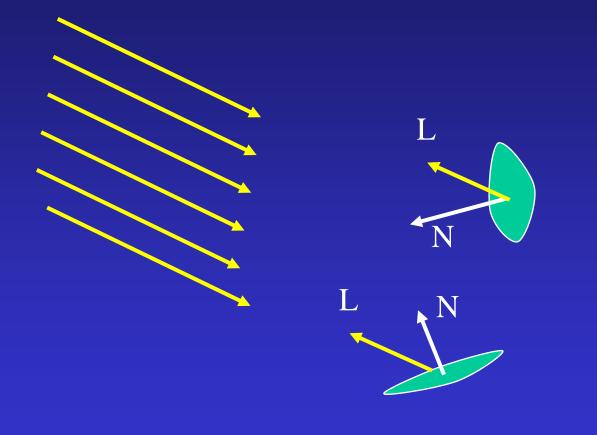
### Point Light Source

- Light originates from specific point in world space
- Light ray has to be formed from object point to light source point

#### Spotlight

- Point light source with direction of greatest intensity
- Optionally has hood outside of which no light is emitted

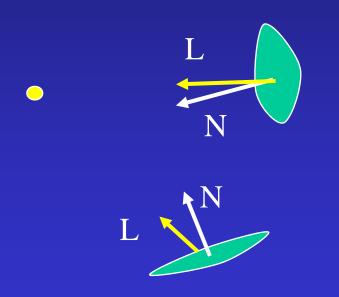
## Directional





Where L is constant for all objects in scene

# Point Light Source



$$N_i \cdot L_i$$

L is formed for each illuminated point or face or object

## Spotlight (Warn model)

### Intensity of light falls off according to deviation from D

