5- shading shading = hallting w= light direction In sorface normal 0= angle between w and L= light of light hitting the sorface The amount here is The amount of light hitting the surface here is From geometry this gives: coso = 1/8 = 1/8 = L coso 1 acometry term Lambertian (diffuse) material (soks flathrot polished) 0-I = light intensity w = dight direction (unit vector) (0) In = surface vanual (unit vator) Ke= surface color ((color (texture)) Pixel color (= Icos & Kd = I (in · w) Kd Phone specular reflections to material, specular what is reflection

I = light intensity

W = light direction

II = light reflection direction

W = viewing direction

enal (Ks = specular reception) Diffuse is attached light source properties a = specular coefficient Materia! specular comparent = IKs (cos q) = IKs (WOW) C= Icoso Kd + IKs (cosp)a thing makerial mode! diffuse speular

