C# (C Sharp)

Accessing Components



Via Inspector

```
public class LightColorSwitcher : MonoBehaviour {
   public Light LightComponent;

   // Use this for initialization
   void Start () {
   }

   // Update is called once per frame
   void Update () {
   }
}
```





Variables

areaSize	The size of the area light. Editor only.
bakedIndex	A unique index, used internally for identifying lights contributing to lightmaps and/or light probes.
bounceIntensity	The multiplier that defines the strength of the bounce lighting.
color	The color of the light.
commandBufferCount	Number of command buffers set up on this light (Read Only).
<u>cookie</u>	The cookie texture projected by the light.
cookieSize	The size of a directional light's cookie.
cullingMask	This is used to light certain objects in the scene selectively.
flare	The flare asset to use for this light.
intensity	The Intensity of a light is multiplied with the Light color.
<u>isBaked</u>	Is the light contribution already stored in lightmaps and/or lightprobes (Read Only).
range	The range of the light.
<u>renderMode</u>	How to render the light.
shadowBias	Shadow mapping constant bias.
shadowCustomResolution	The custom resolution of the shadow map.
<u>shadowNearPlane</u>	Near plane value to use for shadow frustums.
shadowNormalBias	Shadow mapping normal-based bias.
shadowResolution	Control the resolution of the ShadowMap.
<u>shadows</u>	How this light casts shadows
shadowStrength	Strength of light's shadows.
spotAngle	The angle of the light's spotlight cone in degrees.
<u>type</u>	The type of the light.

http://docs.unity3d.com/ScriptReference/Light.html

Via Scripting

```
public class LightColorSwitcher : MonoBehaviour {
    private Light LightComponent;
    // Use this for initialization
    void Start () {
        LightComponent = GetComponent<Light>();
    3
    // Update is called once per frame
    void Update () {
    3
```

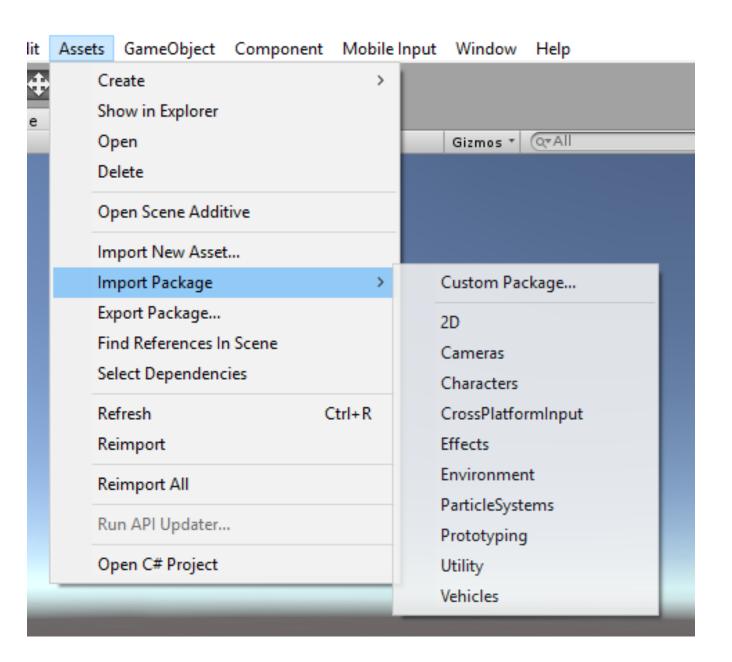


Generic Method

LightComponent = GetComponent<Light>();

TYPE OF
COMPONENT

Unity Standard Assets



Standard Assets

- Provided by Unity
- Characters first person and third person characters
- Cameras camera rigs that follow a target
- Prototyping simple shapes for level design

Unity Asset Store

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