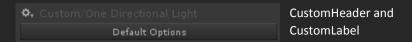
Creating custom Curved World shader

- 1. Select menu "Assets/Create/Curved World shader".
- 2. In the popup window enter shader name and lighting type (Unlit or One Directional Light).
- 3. Two shader files will be created inside "Curved World/Shaders/Custom" folder. For local and global controlling (they can be switched from material editor).
- 4. Shaders are ready to use.

Generated files are vertex/fragment shaders and can be easily modified.

Shader features:

- Properties filed contains two custom variables :
 - [CustomHeader] _V_CW_Header("Custom/One Directional Light", float) = 0
 This variable is required for displaying header in material editor. Its description name displays shader type, currently it is set to "Custom/One Directional Light".
 - O [CustomLabel] _V_CW_DO("Default Options", float) = 0
 Displays "separator" label.



If you add [CustomLabel] in front of variable, than material editor will render it as "separator" label.

- You can add any number and type of variables to the Properties section, but leave Curved World
 properties unmodified.
- Shader contains "CurvedWorldTag" leave it unmodified.
- Inside main Pass section are fields

For global shaders

```
#pragma multi_compile V_CW_GLOBAL_FOG_OFF V_CW_GLOBAL_FOG_ON
#pragma multi_compile V_CW_GLOBAL_IBL_OFF V_CW_GLOBAL_IBL_ON
```

They serve for activating Fog and IBL

- All passes must include "../cginc/CurvedWorld_Base.cginc" all Curved World variables for vertex Bending, Fog and IBL calculation are described here. All upcoming Curved World features will be added inside this file.
 - Global shaders each pass must also contain #define V_CW_GLOBAL_ON
- CurvedWorld_Base.cginc contains three main Curved World macros:
 - O V CW BEND Use this macro to bend vertex inside vertex shader
 - o V_CW_FOG Use this macro to calculate Fog inside vertex shader
 - O V CW IBL Use this macro to calculate IBL inside pixel shader

For shadow casting and collecting shader uses two pass:

```
//ShadowCaster local
UsePass "Hidden/VacuumShaders/Curved World/ShadowPass/SHADOWCASTER"
//ShadowCaster global
UsePass "Hidden/VacuumShaders/Curved World/ShadowPass_Global/SHADOWCASTER"

// ShadowCollector local
UsePass "Hidden/VacuumShaders/Curved World/ShadowPass/SHADOWCOLLECTOR "
// ShadowCollector global
UsePass "Hidden/VacuumShaders/Curved World/ShadowPass_Global/SHADOWCOLLECTOR "
```

For image effects supporting use Curved World renderTypes:

"RenderType"="CurvedWorld_Local_Opaque"

"RenderType"="CurvedWorld_Local_TransparentCutout"

Modify both generated files only if you want to have same behavior for local and global shaders. Otherwise delete unused file.

Note: This is first attempt to support custom shaders and it may be incomplete.