

# KRAY TRACING

## RENDER ENGINE

TUTORIAL FOR BEGINNERS

TRACING

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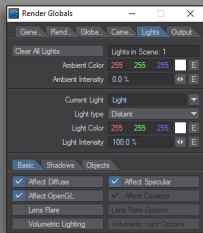
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SCENE IS WITHOUT ANY LIGHT/KRAY/LW SETTING SO THIS TUTORIAL SHOWS HOW TO START USE K3 FROM THE SCRATCH.

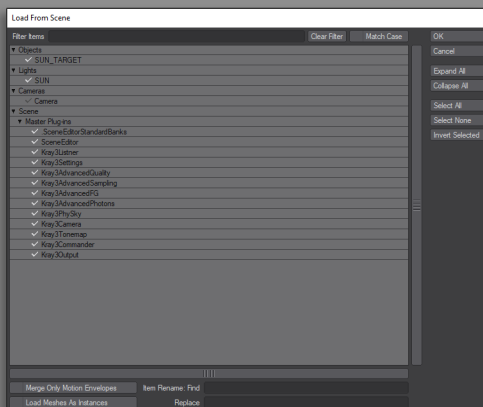
## SETUP

LOAD SCENE **BEDROOM.LWS** AND SETUP LAYOUT:

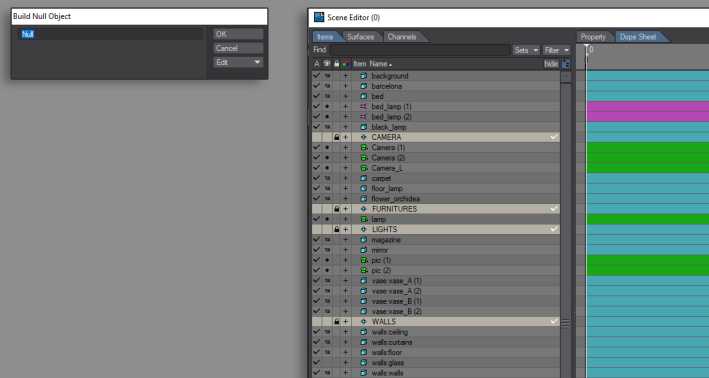
- AMBIENT INTENSITY SET TO **0%**



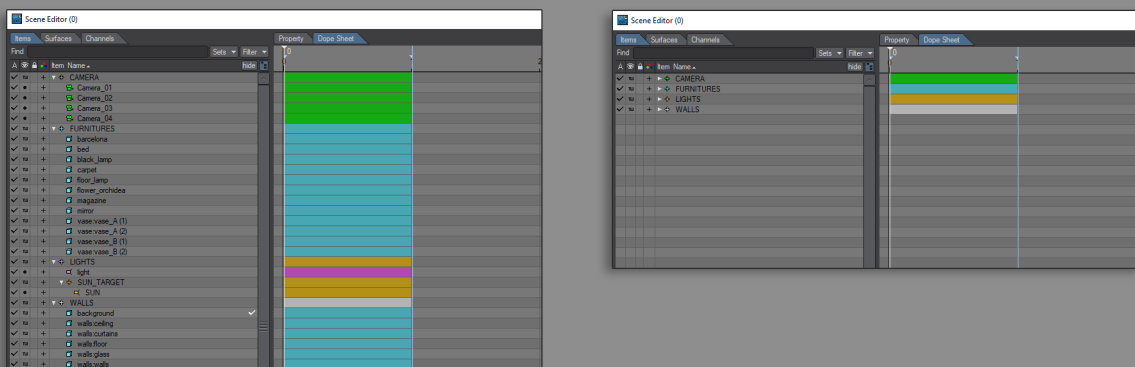
- LOAD KRAY SETTINGS FROM **SETTINGS\_INTERIOR.LWS** BY USING **LOAD ITEMS FROM SCENE** AND SELECT EVERYTHING EXCEPT CAMERA



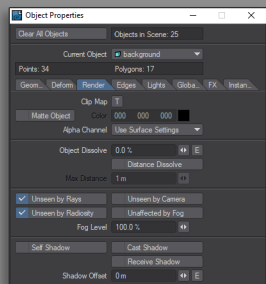
- CREATE A FEW NULLS WITH NAMES: CAMERA, FURNITURES, LIGHTS, WALLS



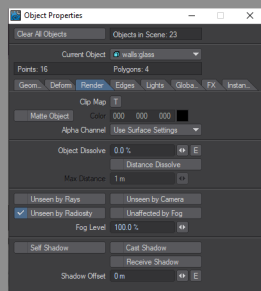
- MOVE OBJECTS/LIGHTS TO THE NULLS (LIKE LAMPS, BED, CHAIR TO FURNITURES) IT WILL HELP ORGANIZE SCENE



- **SETUP BACKGROUND TO EXCLUDE IT FROM GLOBAL ILLUMINATION AND REFLECTION**

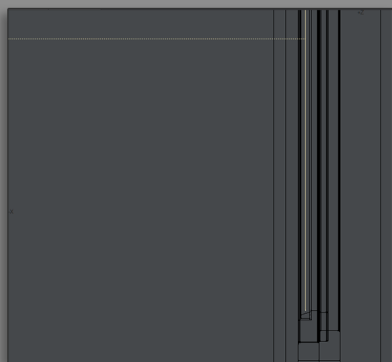
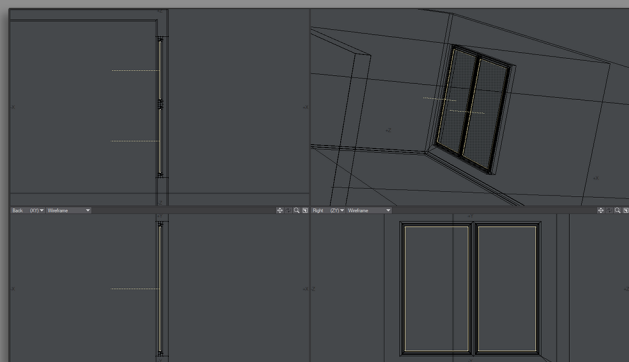


- **SETUP WALL:GLASS LAYER TO EXCLUDE IT FROM GLOBAL ILLUMINATION (YOU CAN HIDE ALSO THIS LAYER FROM CAMERA VIEW)**

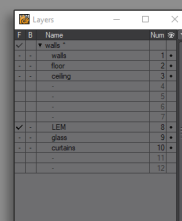
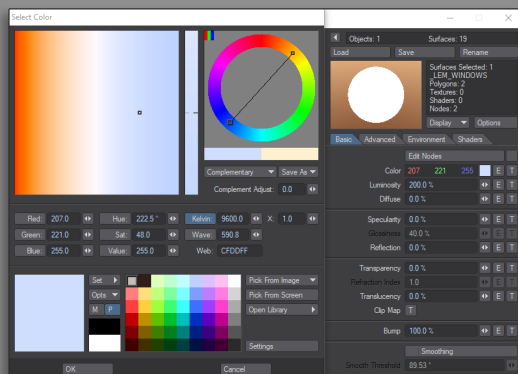
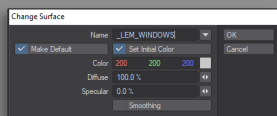


## CREATE LIGHT

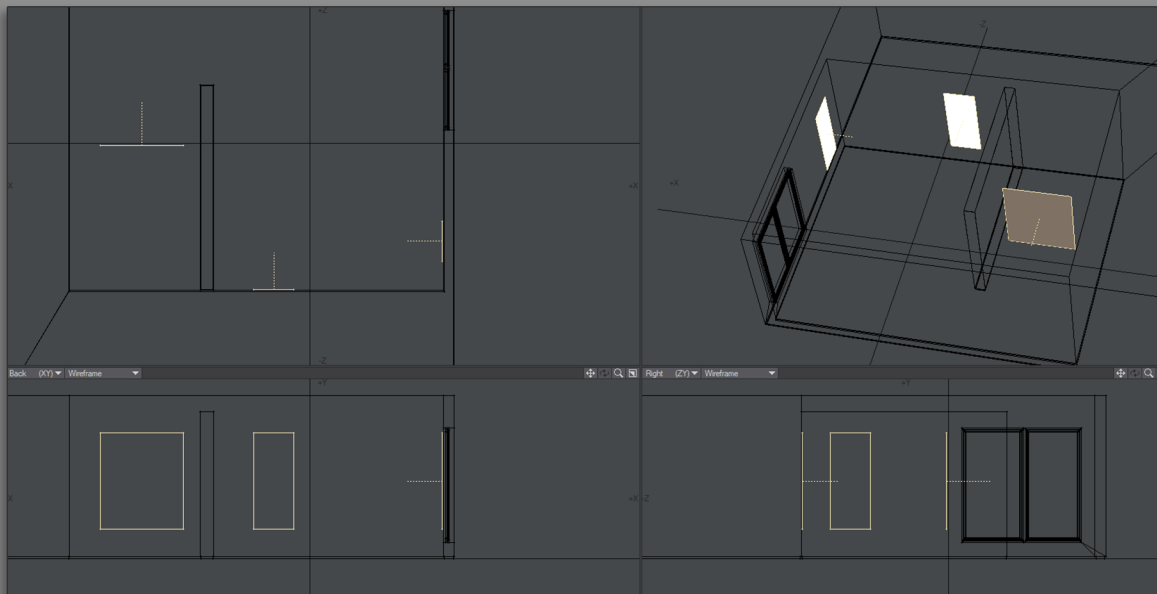
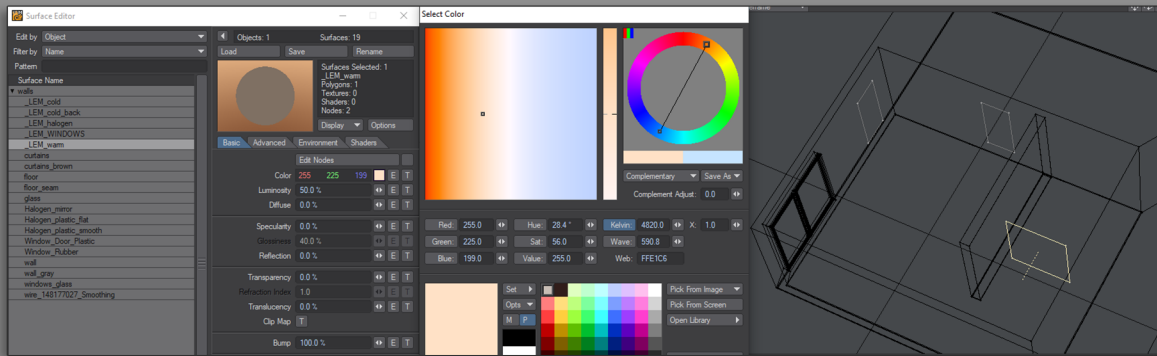
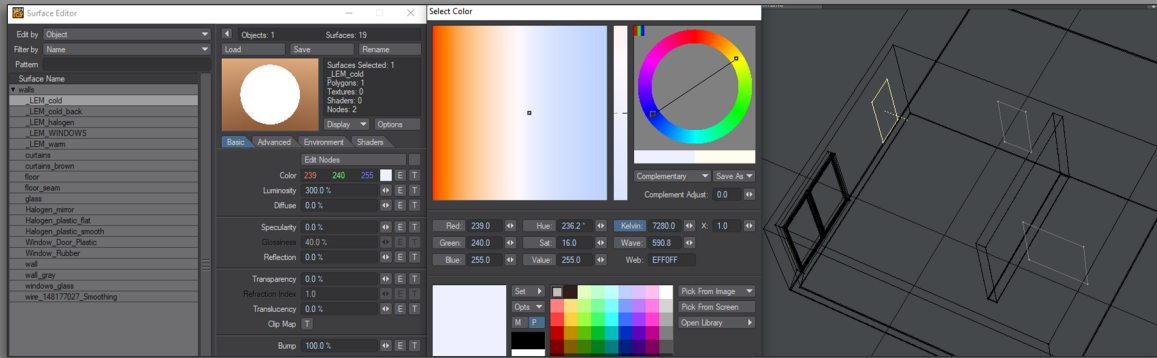
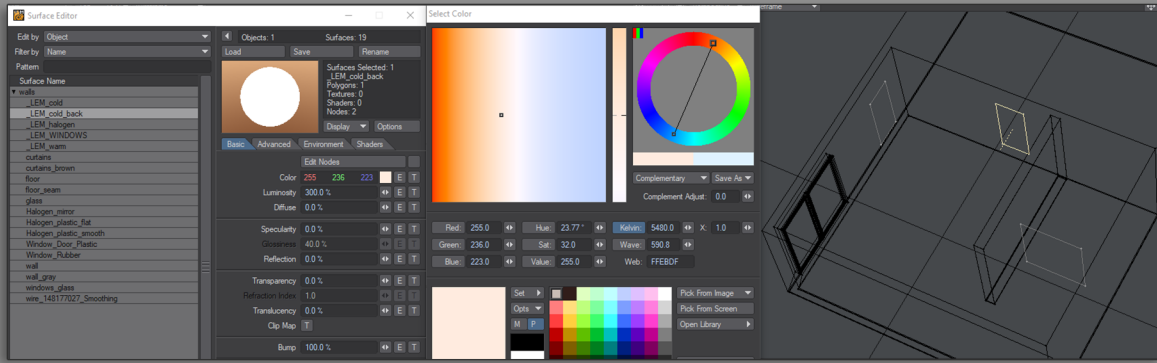
- **GO TO MODELER AND COPY TWO POLYGONS FROM WINDOWS GLASS AND MOVE IT A BIT INSIDE ROOM. COPY THEM TO THE EMPTY LAYER WITH NAME LEM\_WINDOWS (UNDER LINE AT THE BEGINNING OF NAME WILL FORCE KEEP THIS SURFACE IN THE BEGINNING OF SURFACE LIST AND ALLOW USER FINDING FAST LIGHT SOURCES FROM THE LIST)**



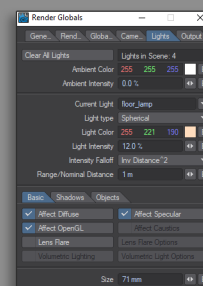
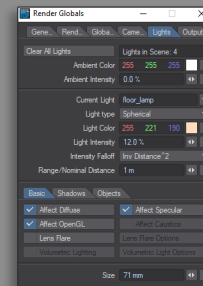
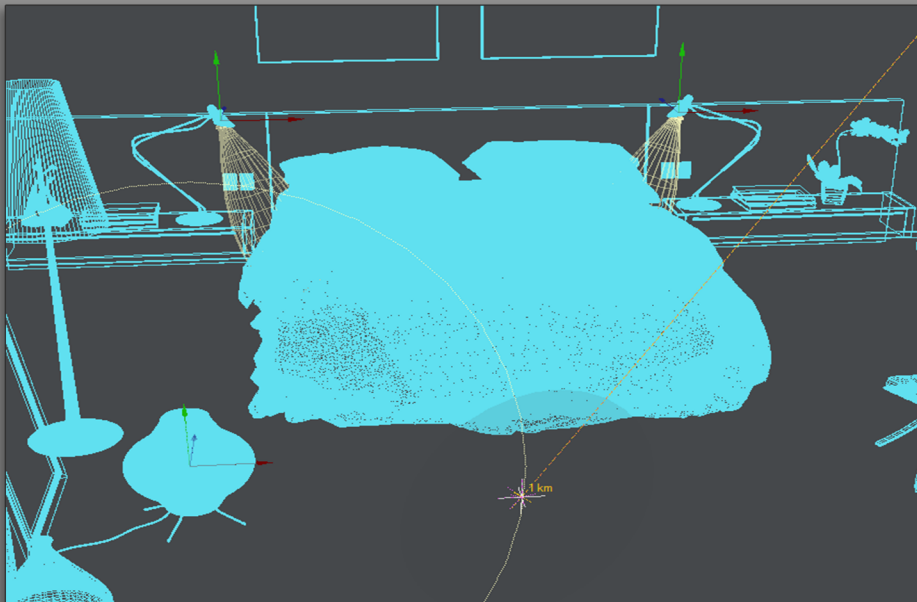
- **SETUP LEM\_WINDOWS WITH COLOR AND LUMINOSITY POWER. ALSO RENAME THIS LAYER FOR FUTURE EASY FINDING.**



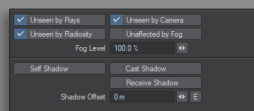
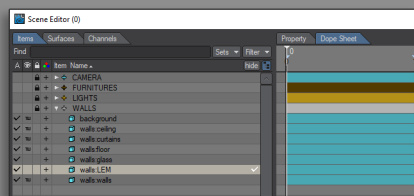
- IN MODELERE CREATE A NEW LAYER (LEM PANELS) WITH 3 DIFFERENT NAMES AND SETTINGS



- ADD 2XIES LIGHT (DESK LAMP,IES IN LIGHT FOLDER) AND 1XSFERICAL LIGHT (FLOOR LAMP). PUT THEM IN CORRECT POSITION

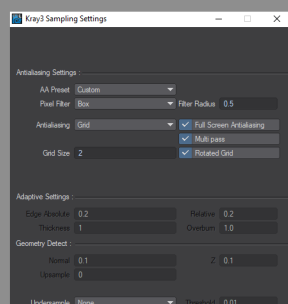


- MAKE LAYER **WALLS:LEM** (THOSE IN WINDOWS) INVISIBLE SO THEY WILL BEHAVE LIKE AREA LIGHTS: INVISIBLE LIGHTS SOURCE. YOU CAN ALSO HIDE THEM IN SCENE EDITOR FROM LAYOUT VIEW.



## RENDERING

- SETUP RESOLUTION IN CAMERA\_01 FOR 800 PIX , PATH FOR SAVE IMAGE FILE IN KRAY AND PRESS RENDER FRAME IN KRAY WINDOW
- USE FSAF G2 FOR FAST PREVIEW (4 PASSES):



- FOR RENDERING WITH BETTER QUALITY OR HIGHER RESOLUTION USE INFORMATION FROM PDF GUIDE FOR BEGINNERS.