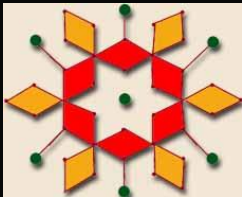


Design of luminaires

Guide : Prof Athavankar



by Ritu Sonalika

- ❖ To design a family of luminaires with a *contemporary Indian image* for showrooms selling *exclusively Indian products*.
- ❖ The design of luminaires should complement to the image of the space and the products being retailed.
- ❖ To develop a different language for lighting of showrooms.
- ❖ The luminaires can be batch produced using a combination of craft and industrial production.
- ❖ Luminaires facilitating different objectives.



SHOWROOM DESIGN – current scenario



- ❖ The language of showroom does not complement the design of luminaires
- ❖ Fixtures available are limited.
- ❖ Lighting layouts do not complement to the space.
- ❖ High and uniform lighting



PENDANT LUMINAIRE – lots to offer

- ❖ Highlight spaces and products below.
- ❖ To reduce voluminous space.
- ❖ Can define a personal space in a large space
- ❖ Flexibility



- ❖ **Should fit in large volumes of spaces, with a difference**
- ❖ **Product should be able to fit in various design themes – contemporary to traditional language**
- ❖ **Integration of craft and industrial product**
- ❖ **Idea of customisation – to give individuality to showrooms**
- ❖ **Idea of standardization**
- ❖ **Indianness with a contemporary image.**



INDIANNESS IN DESIGN – an approach



❖ No design references available, except traditional lamps

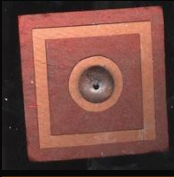
❖ Approach

Imagery – Integration of Indian motifs, forms

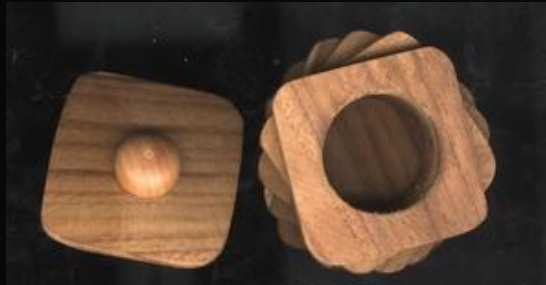
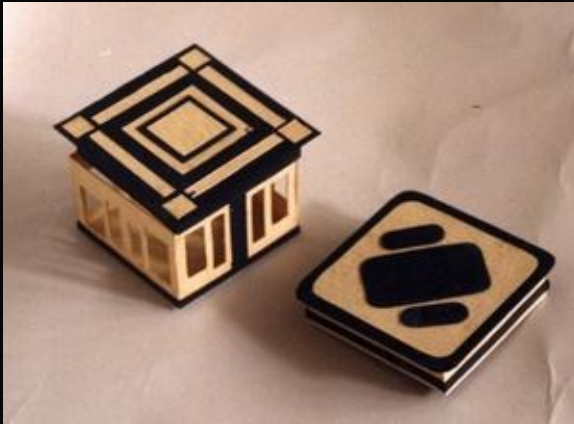
Understanding inherent quality of lamps – reinterpreting the hidden elements of traditional lamps

Contemporariness – fit in with all the latest requirements.





INDIANNESS IN DESIGN – an approach

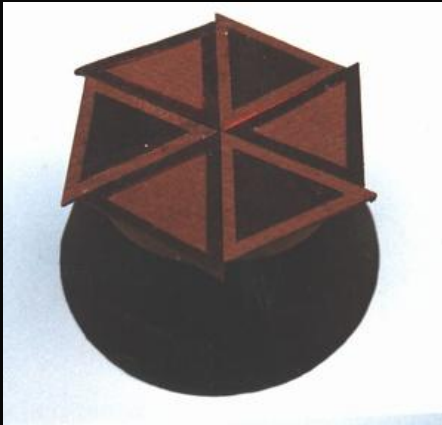


❖ Imagery an experience



Design of luminaires

INDIANNESS IN DESIGN – an approach



❖ Imagery an experience



Design of luminaires

INDIANNESS IN DESIGN – an insight



- ❖ Personalisation
- ❖ Wide variety of choice



Design of luminaires

INITIAL EXPLORATIONS



❖ Play of light and shadow



Design of luminaires

INITIAL EXPLORATIONS

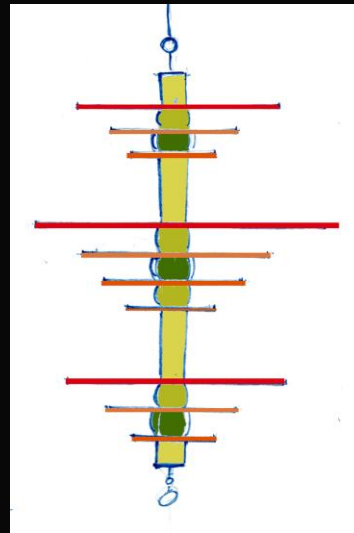


❖ **Material and their play with light**



Design of luminaires

CONCEPT OF DESIGN



❖ **Column of light**



Design of luminaires

CONCEPT OF DESIGN



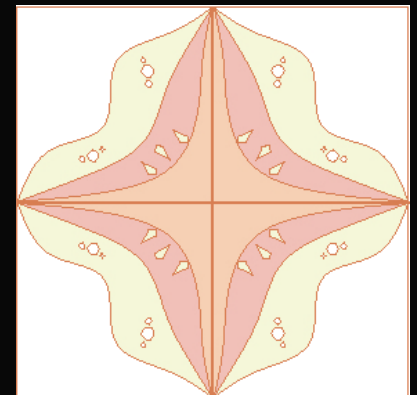
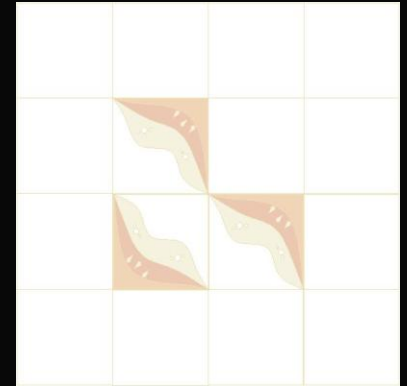
❖ **Celebration of light where light is the central core with members around it.**



CONCEPT OF DESIGN



❖ False ceiling - layers of light



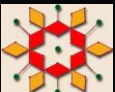
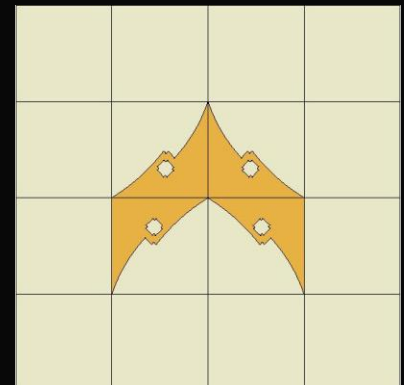
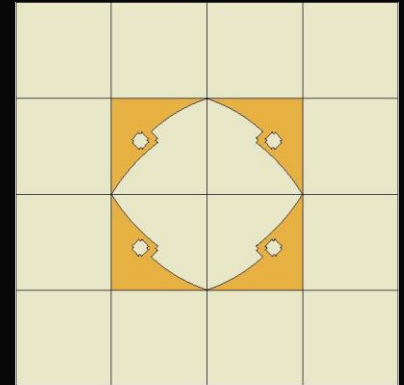
Design of luminaires



CONCEPT OF DESIGN

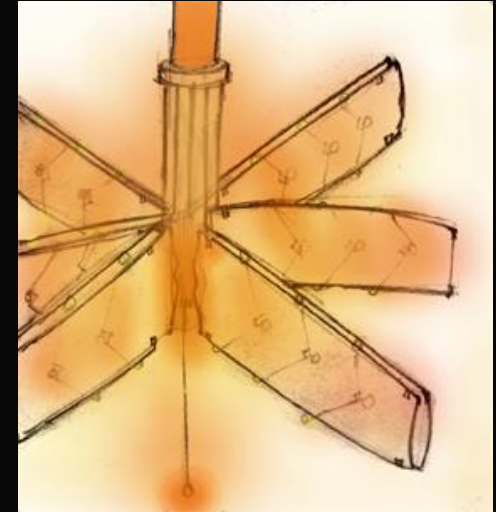
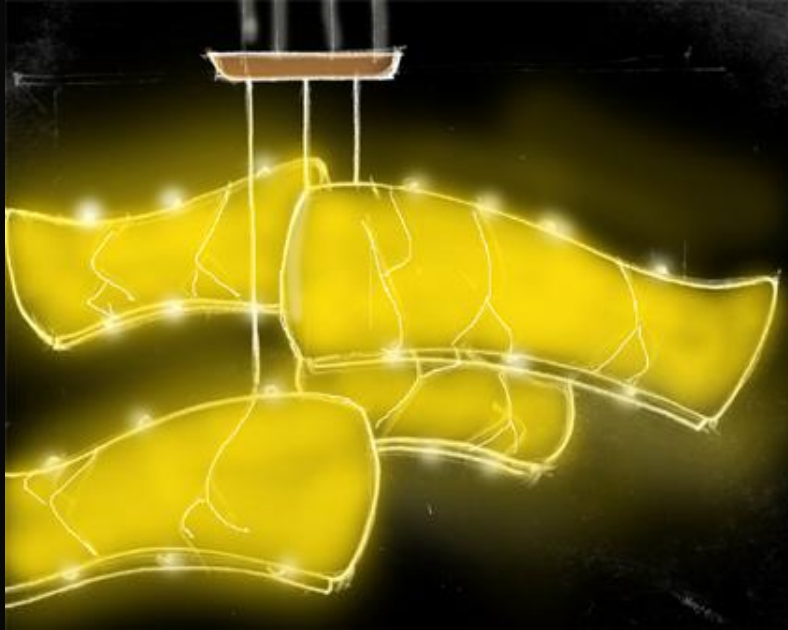


❖ False ceiling



Design of luminaires

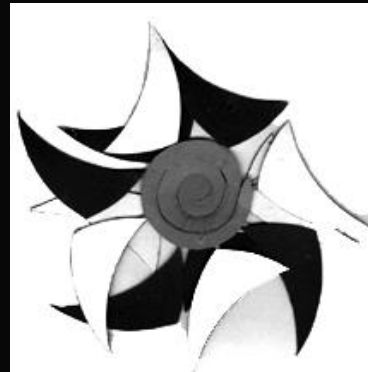
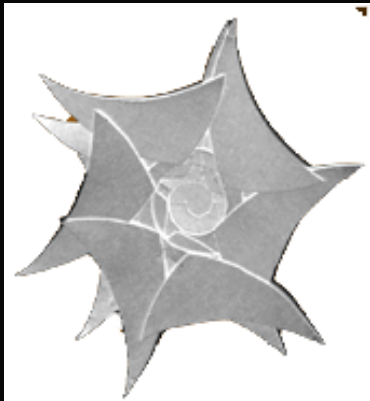
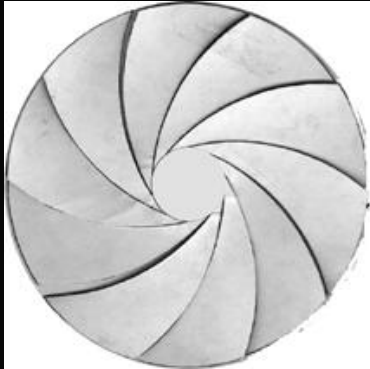
CONCEPT OF DESIGN



- ❖ Light as an element which creates framework in space
- ❖ Metaphor - fish

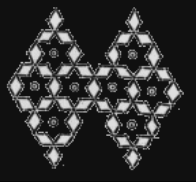


KEY TO DESIGN

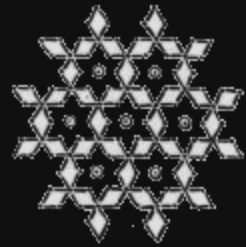


- ❖ Light as an element which creates framework in space
- ❖ Same element repeated in multiple ways
- ❖ Creates variety a necessity for showrooms

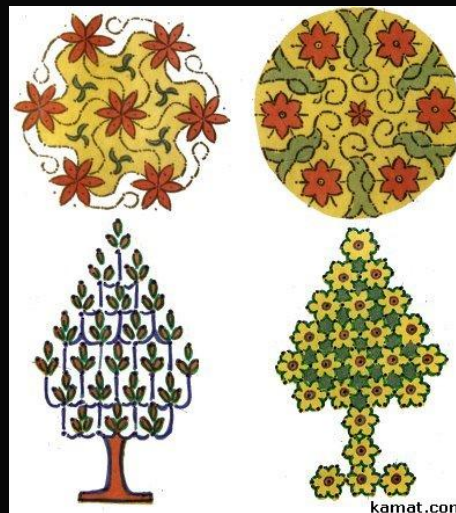
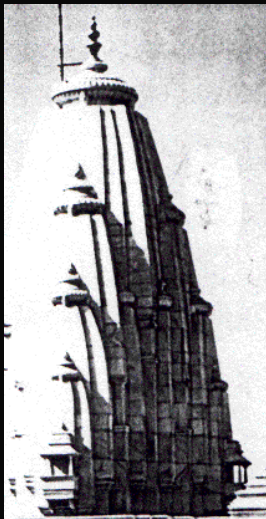




KEY TO DESIGN



❖ Idea of fractals



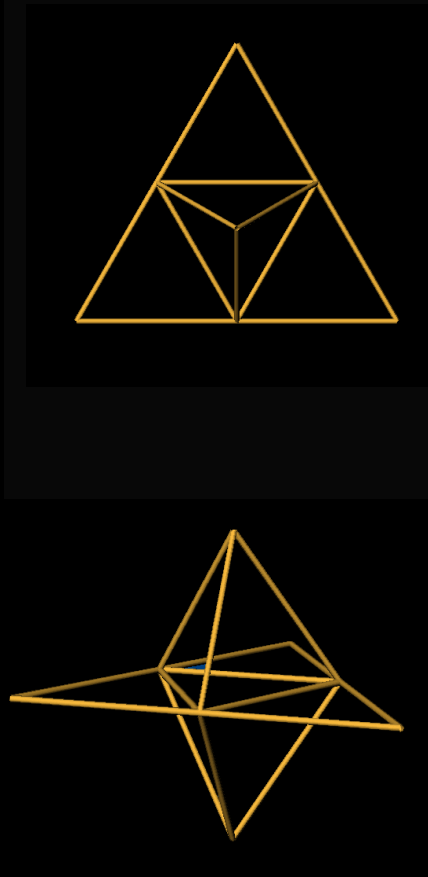
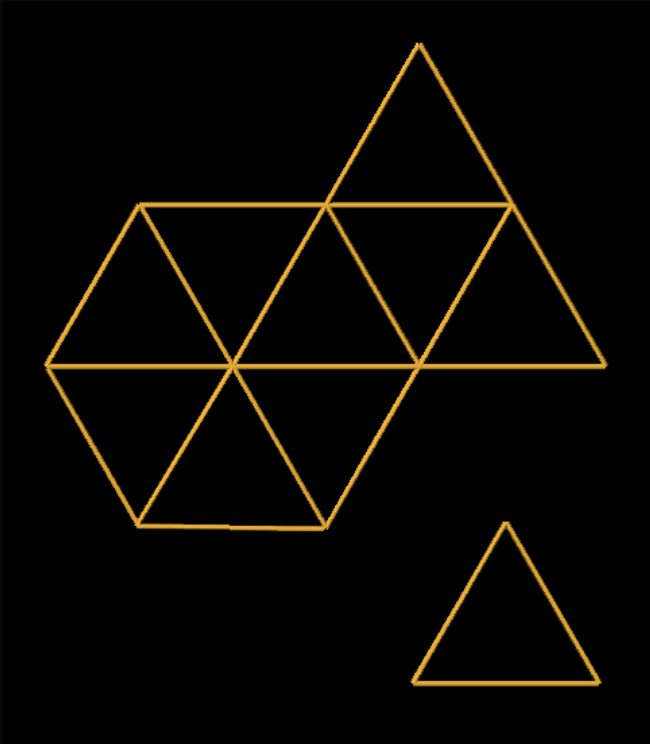
Art and architecture
Temple plans
Rangoli



Design of luminaires



KEY TO DESIGN



❖ Idea of geometry

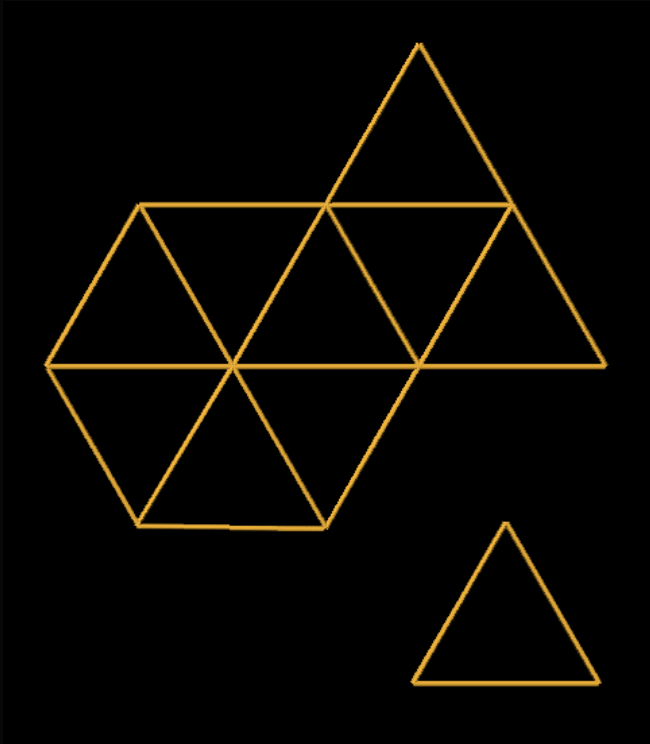
Tetrahedron

Equilateral triangles

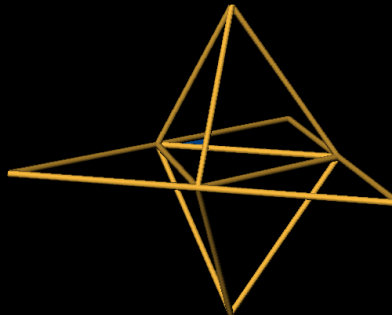


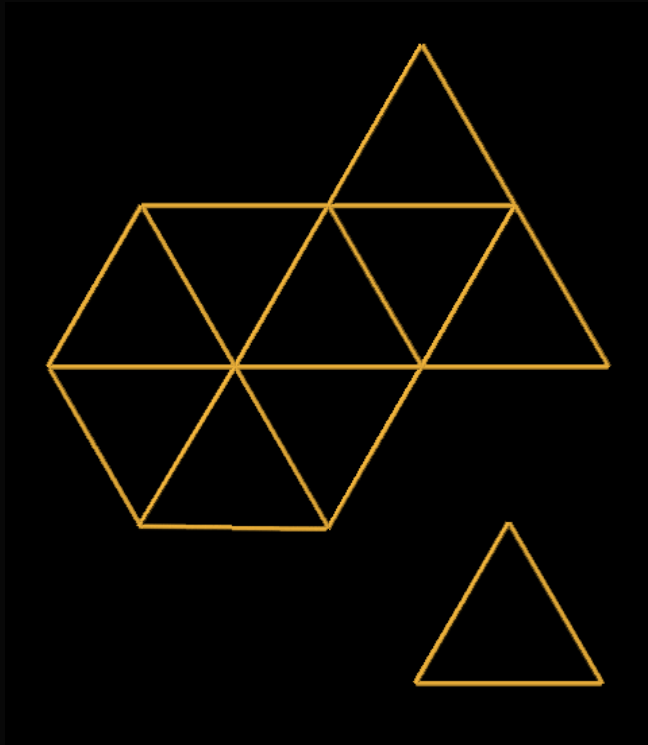
Design of luminaires

KEY TO DESIGN



- ❖ **Standardization**
- ❖ **Customization**
- ❖ **Variety**
- ❖ **Personalization**
- ❖ **Possible creative inputs**





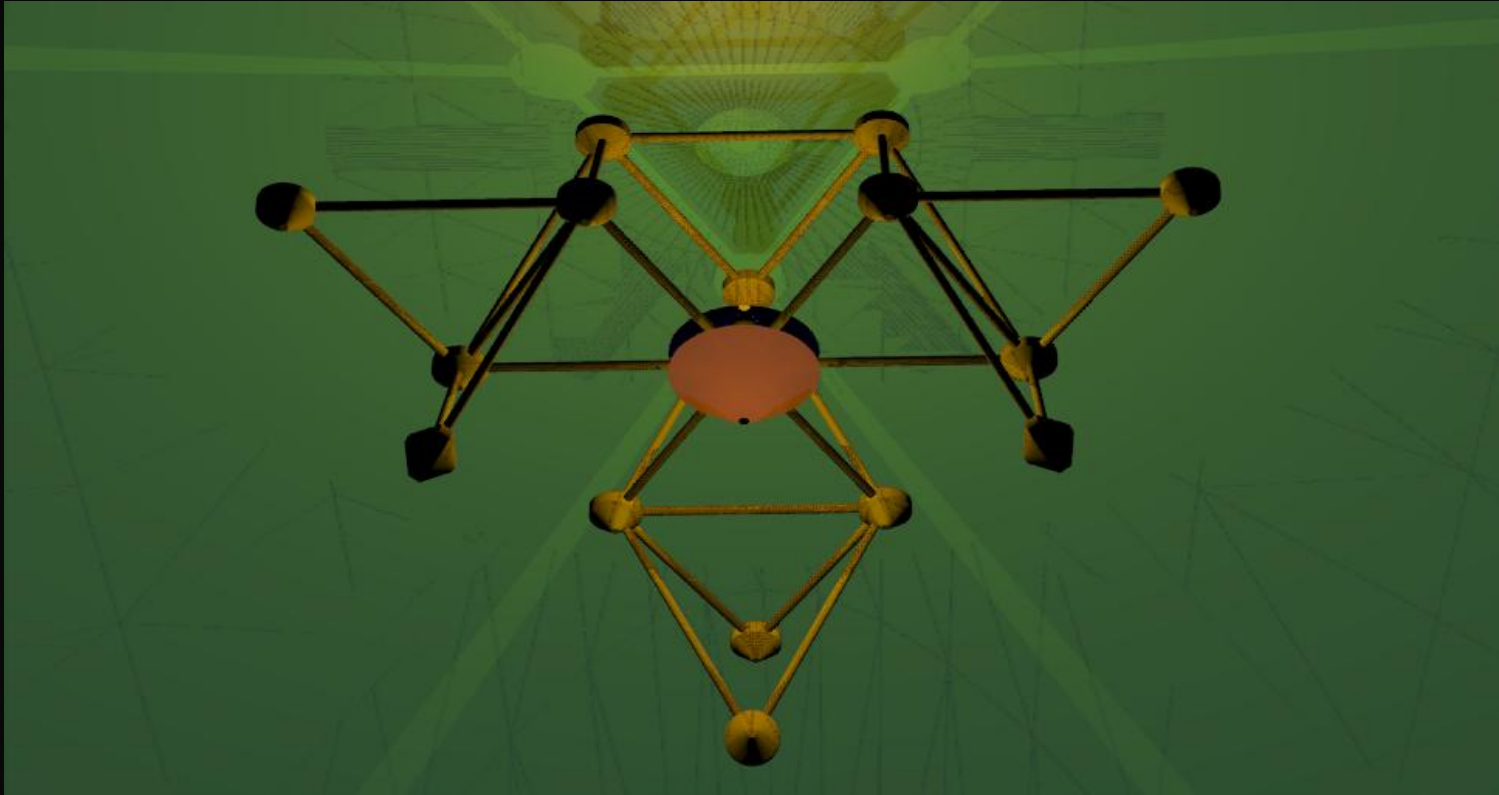
Variety

- ❖ **Members**
- ❖ **Luminaires**

Standardization

- ❖ **Junction**
- ❖ **Hardware**





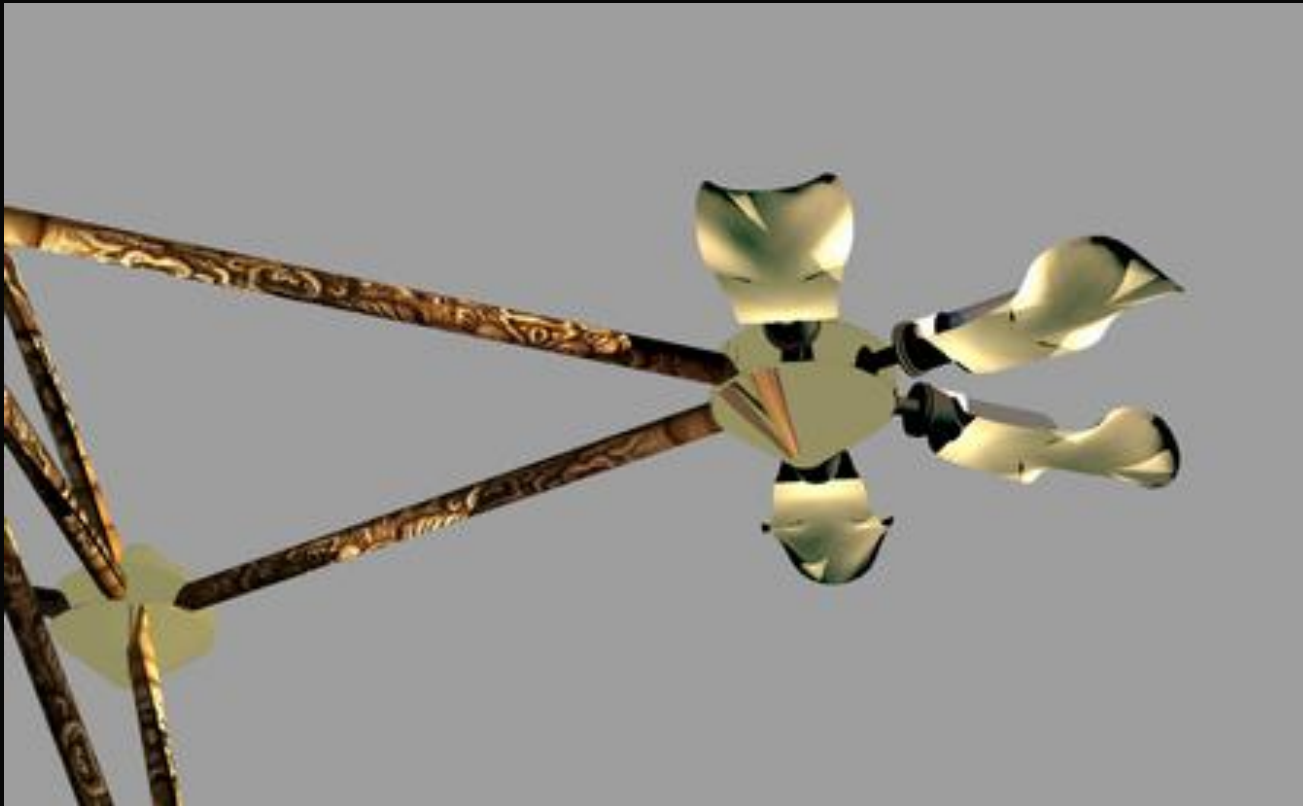








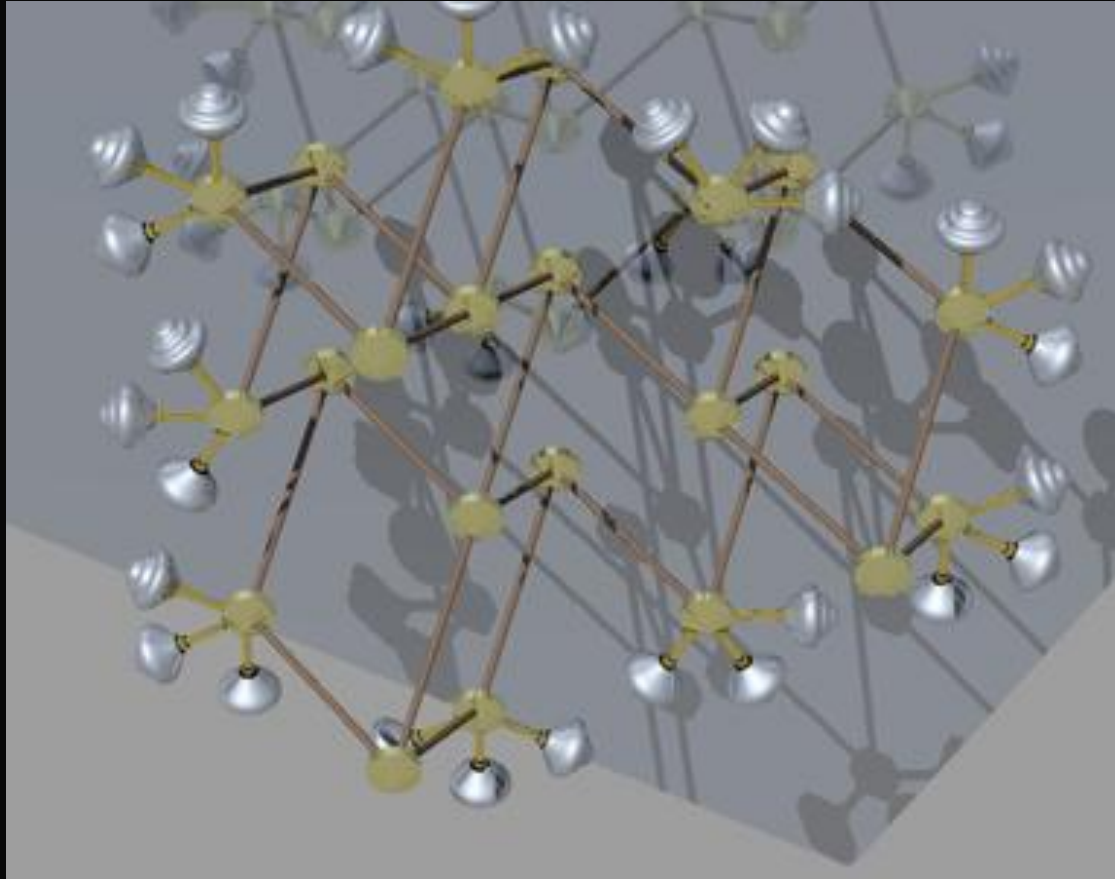
Elements and there expression



❖ Elements and their expression will decide the visual language of showroom and vice versa



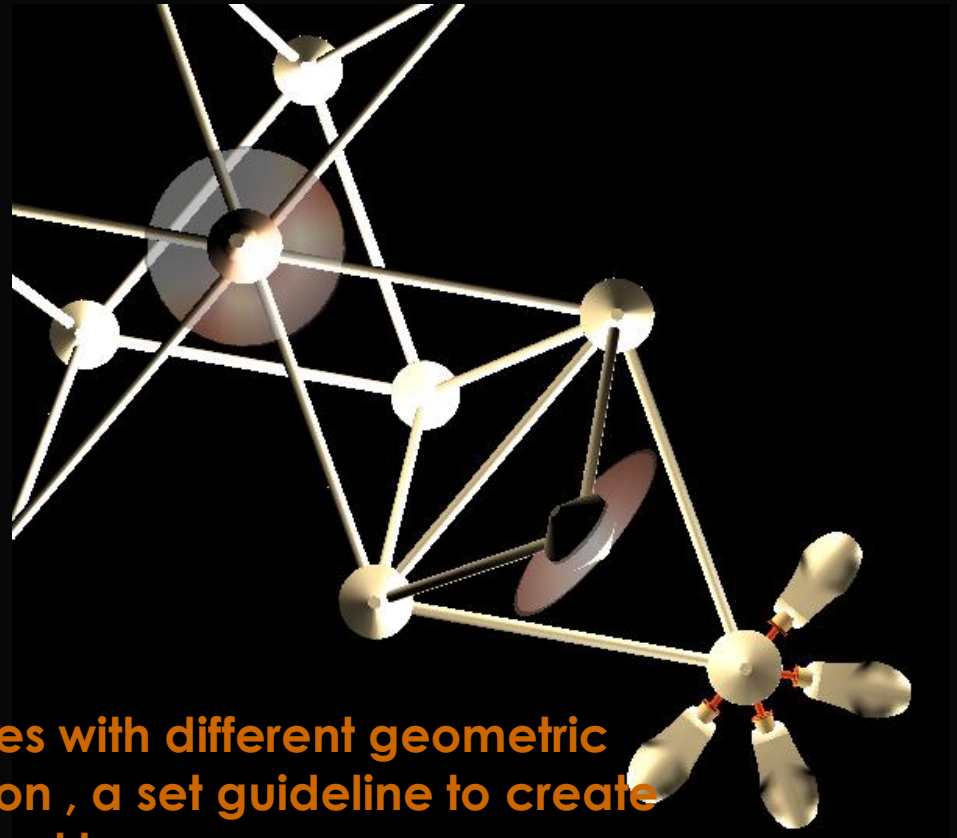
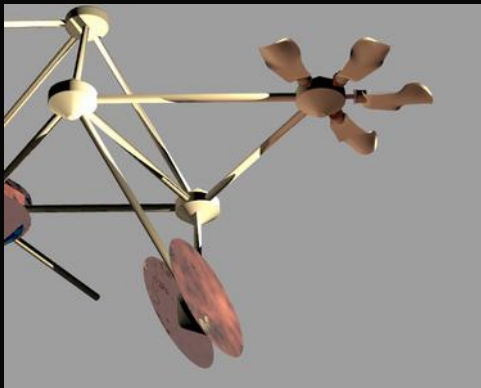
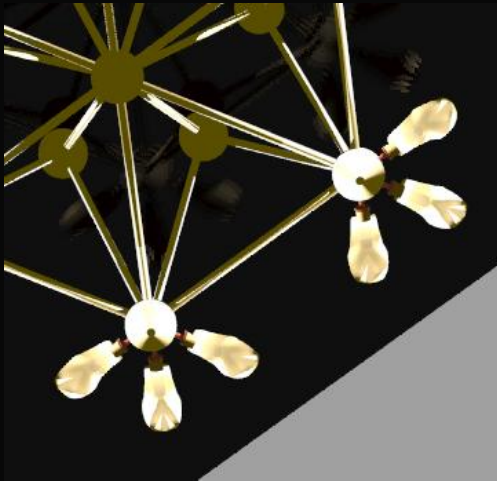
Elements and there expression



❖ Will also decide the range of product.



DESIGN GUIDELINES

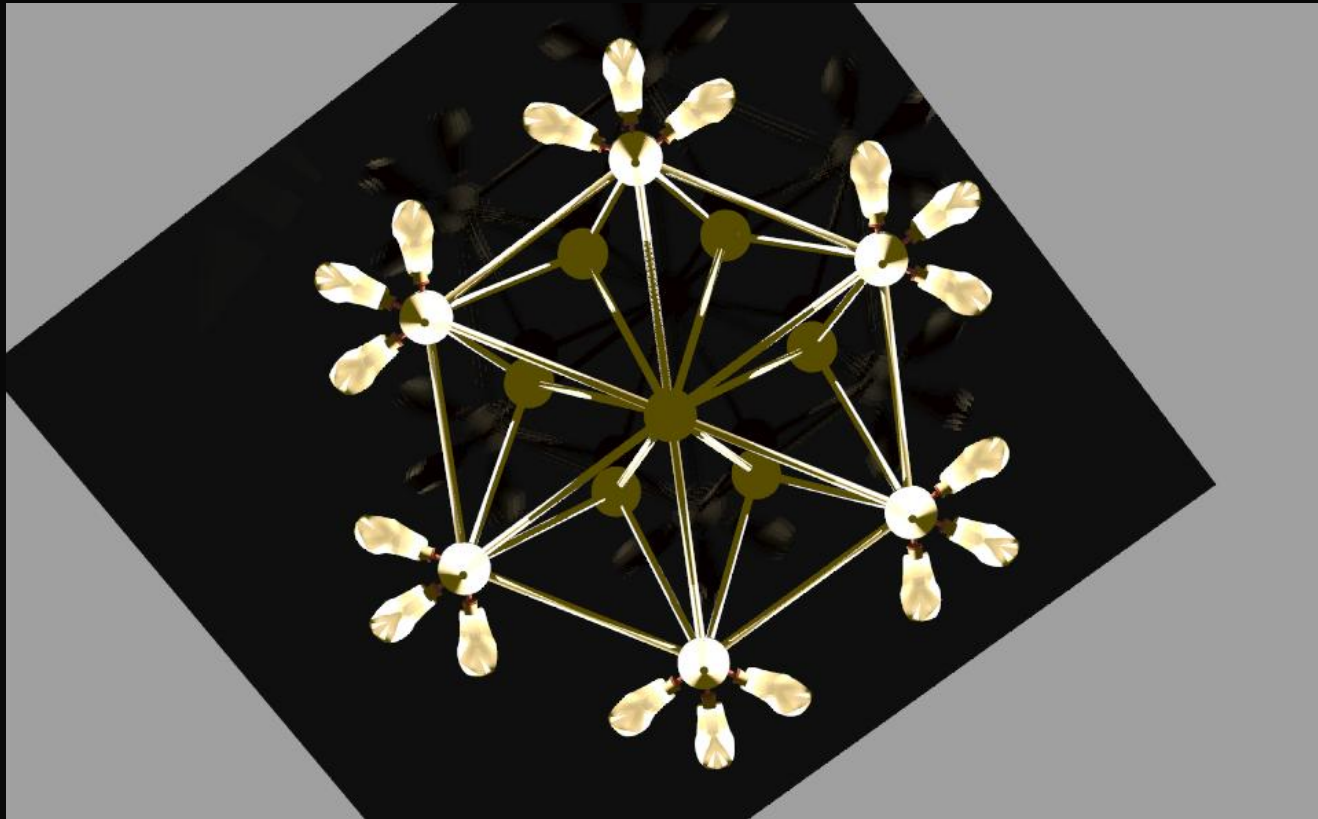


❖ Luminaires with different geometric configuration , a set guideline to create order in visual language

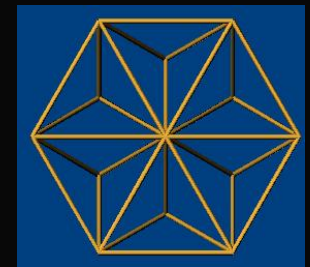


Design of luminaires

DESIGN POSSIBILITIES

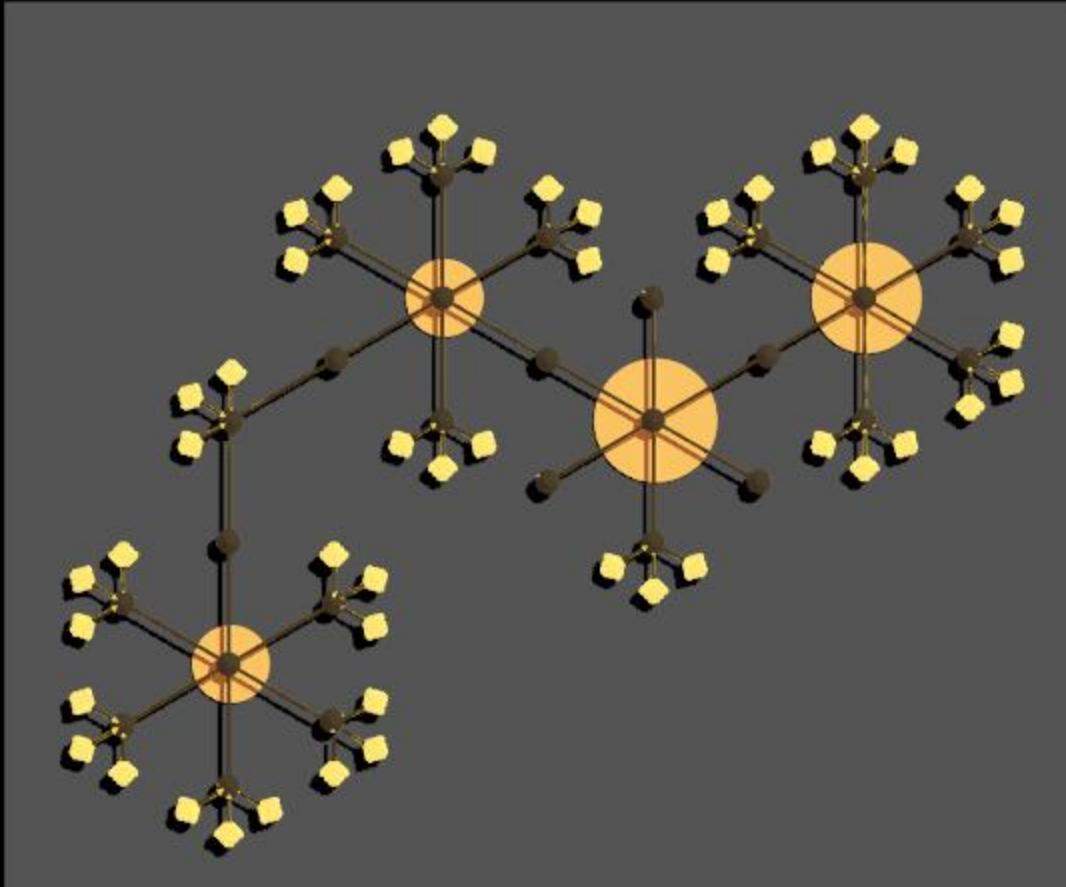


❖ A simple configuration



Design of luminaires

DESIGN POSSIBILITIES

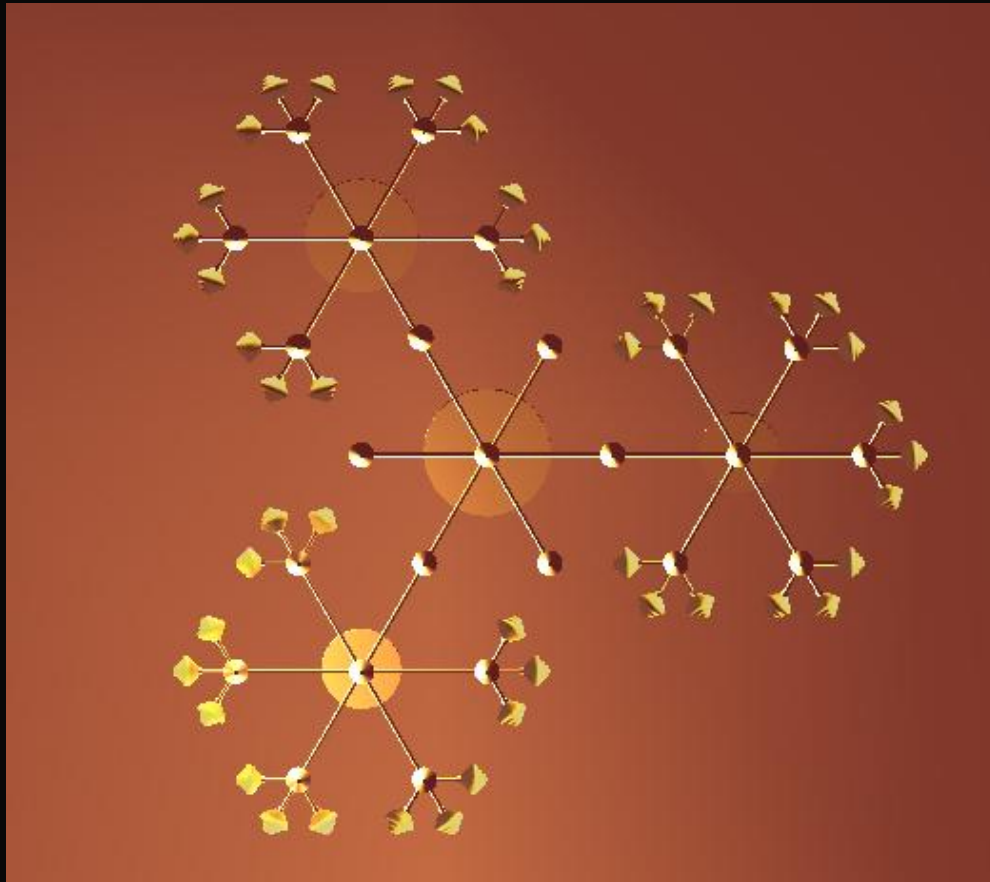


❖ Tree like growth can highlight the important areas of the showroom.



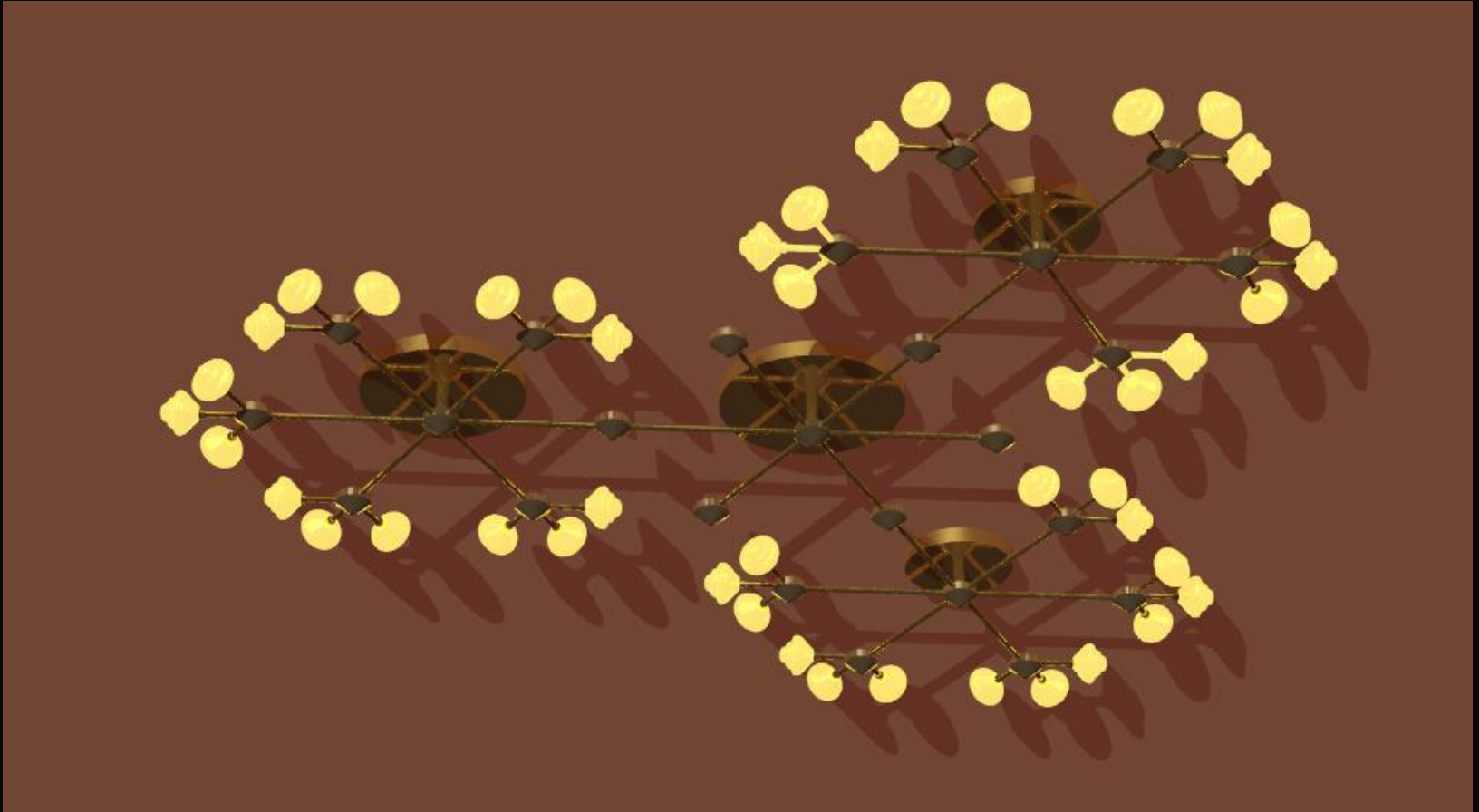
Design of luminaires

DESIGN POSSIBILITIES



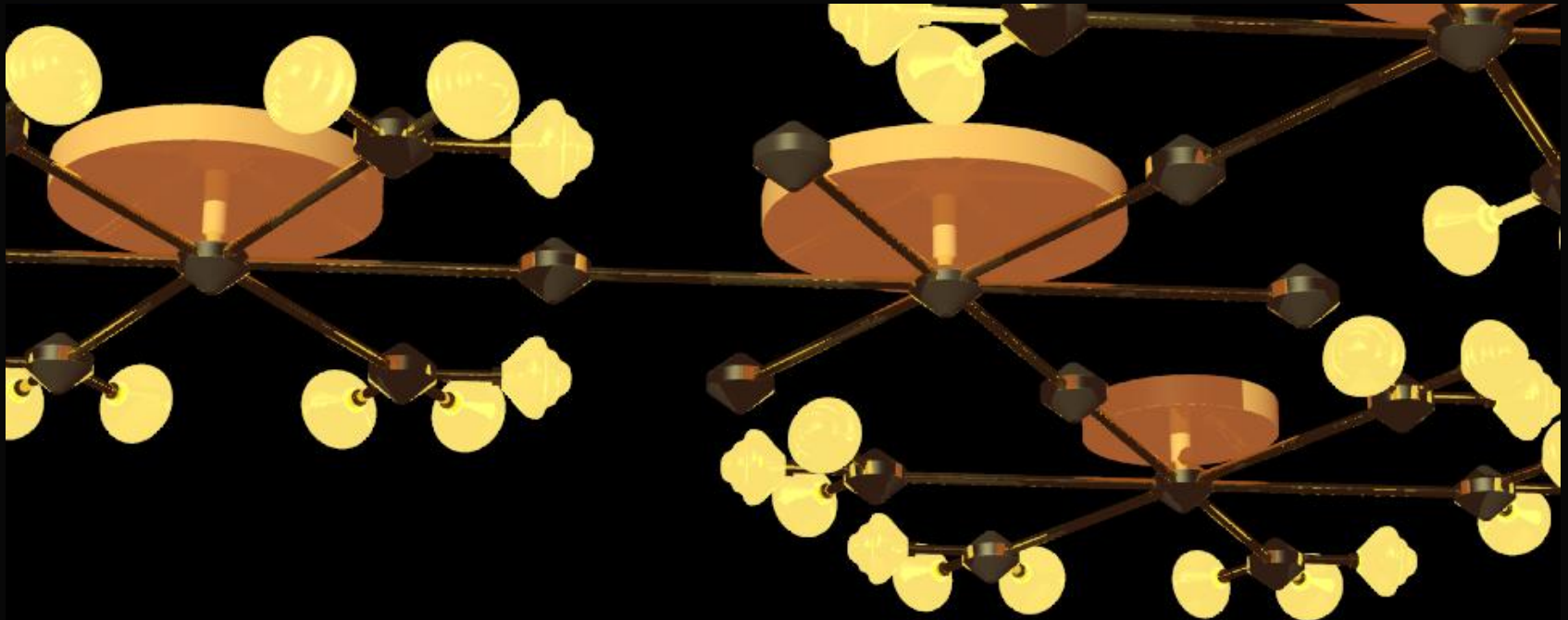
Design of luminaires

DESIGN POSSIBILITIES



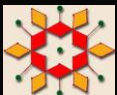
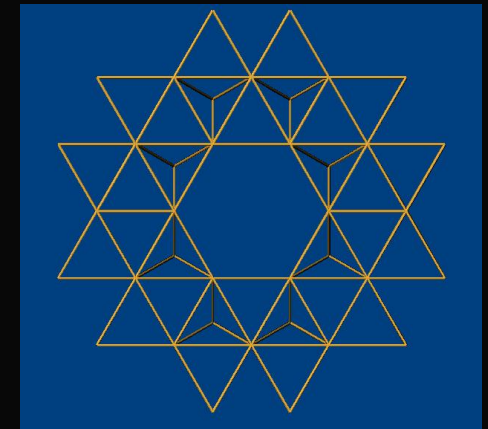
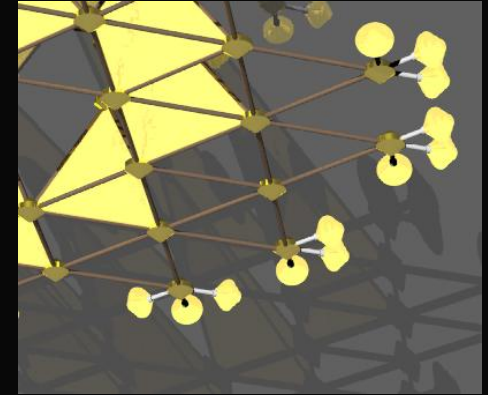
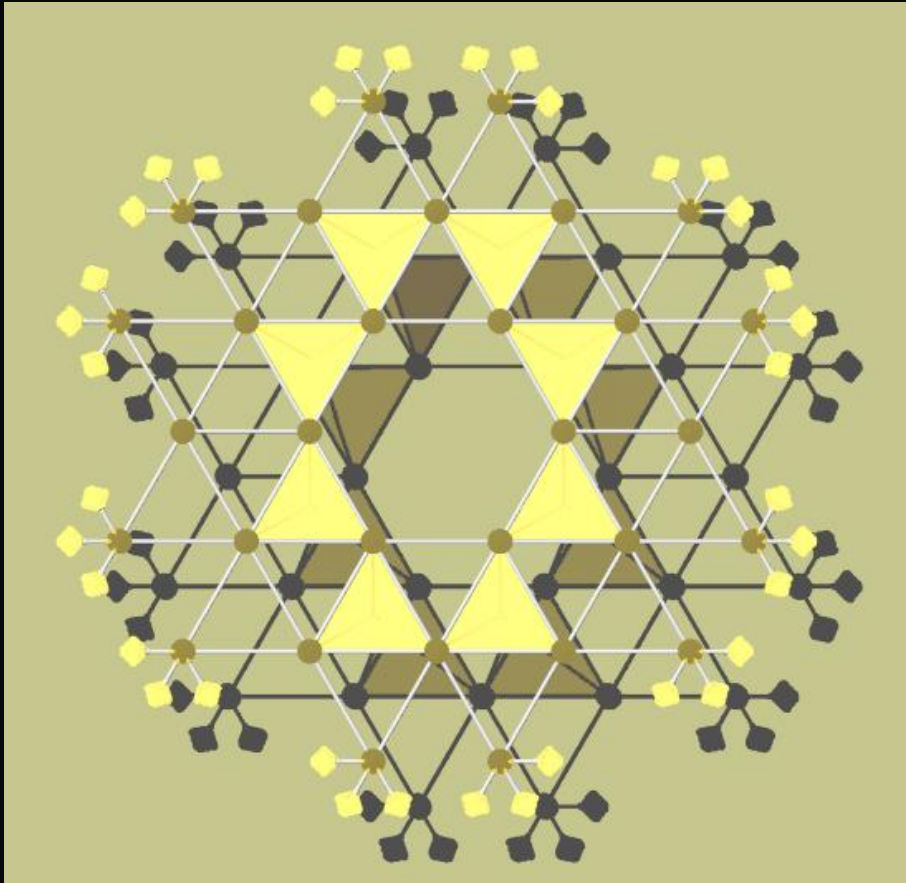
Design of luminaires

DESIGN POSSIBILITIES



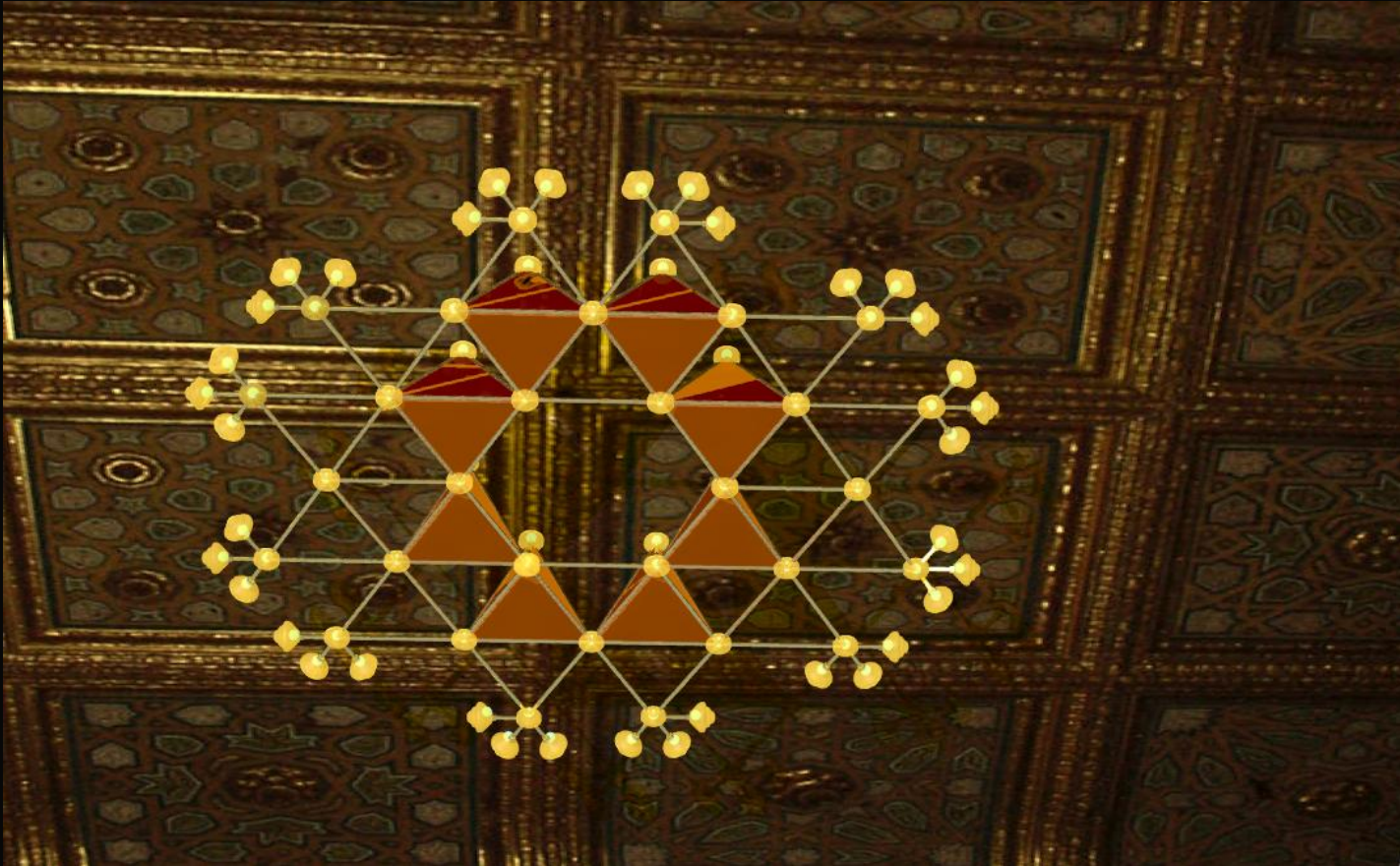
Design of luminaires

DESIGN POSSIBILITIES



Design of luminaires

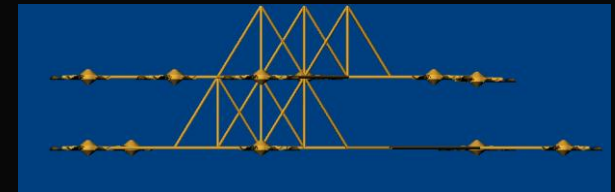
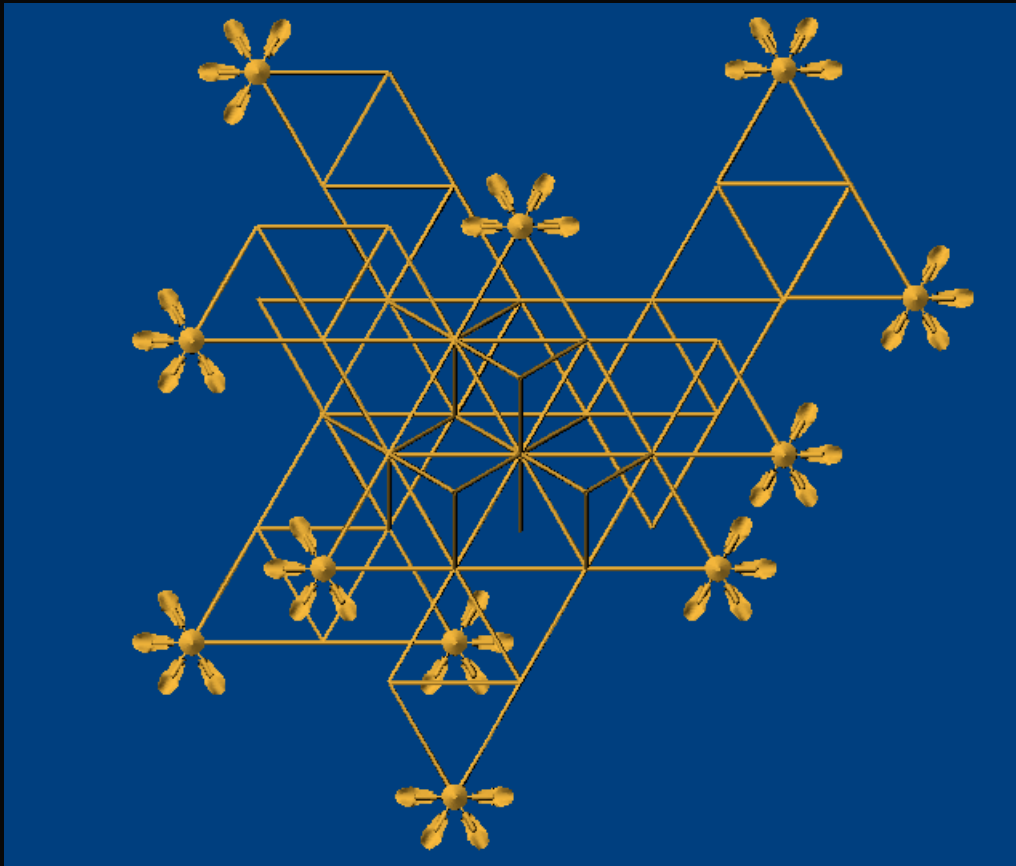
DESIGN POSSIBILITIES



Design of luminaires

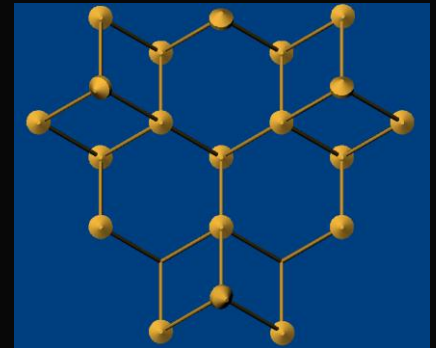
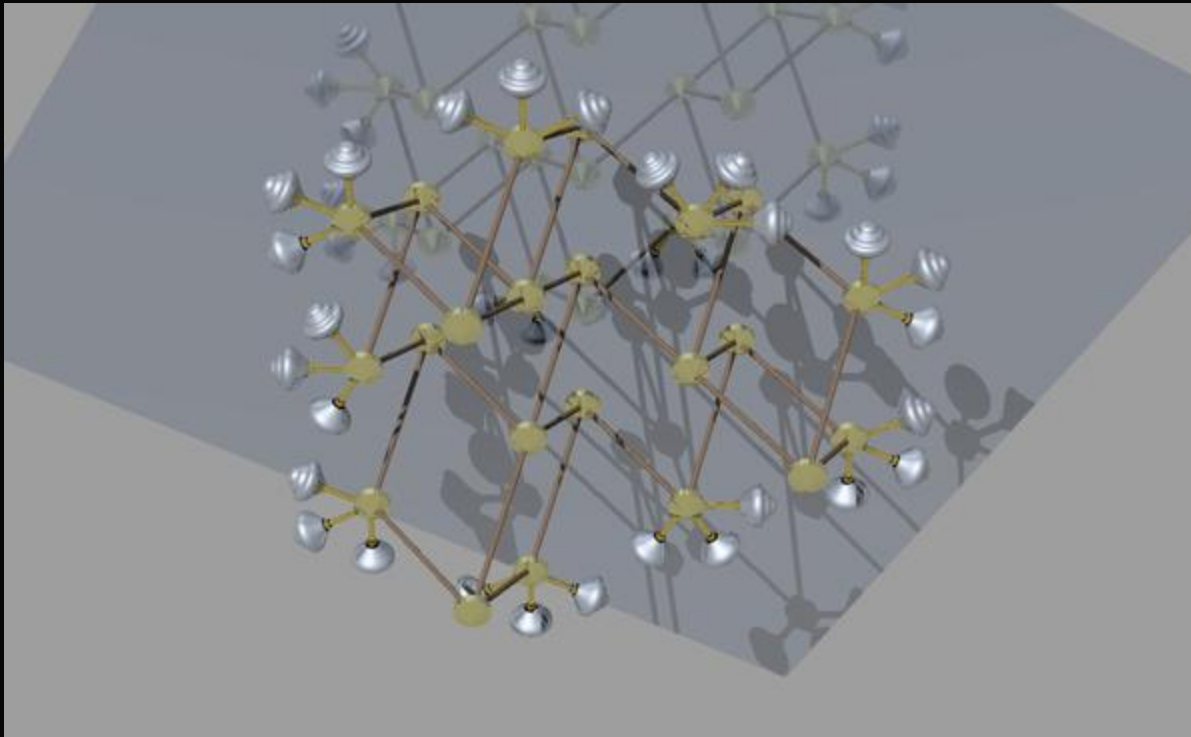
CONCEPT OF DESIGN

❖ Large volumes,
abstract form



Design of luminaires

DESIGN POSSIBILITIES

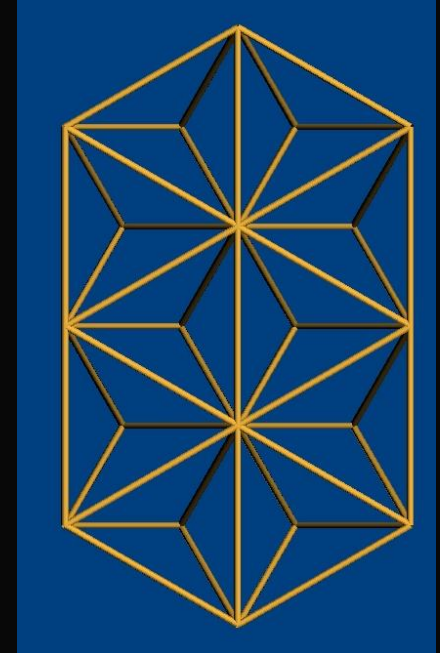
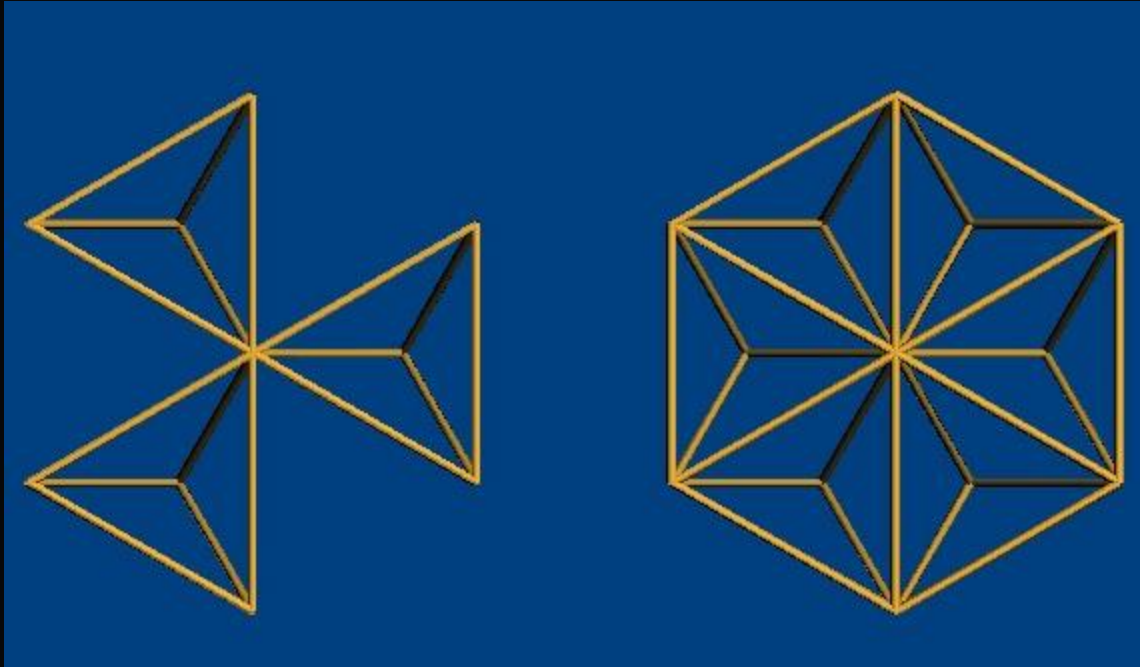


❖ Contemporary image



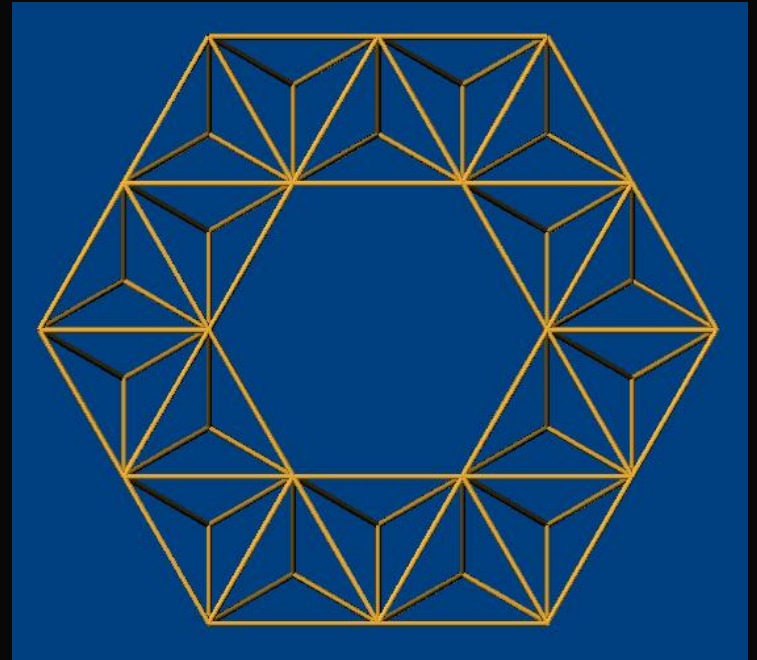
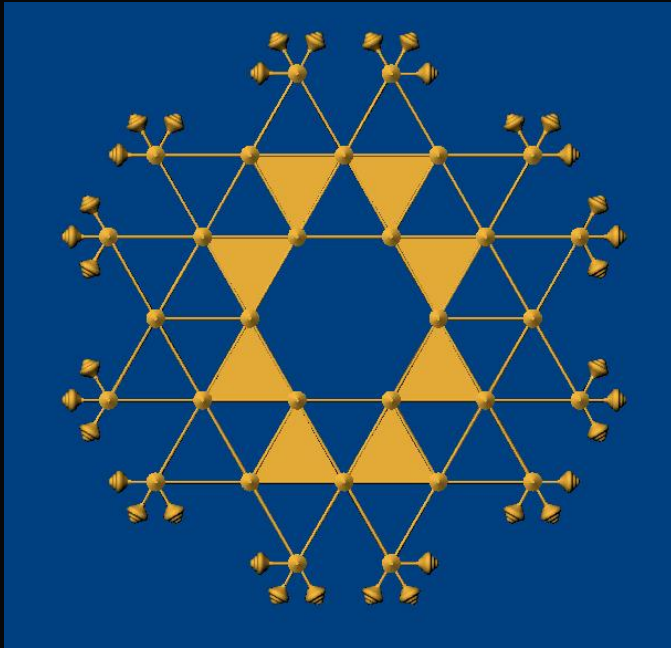
Design of luminaires

'Rangoli'



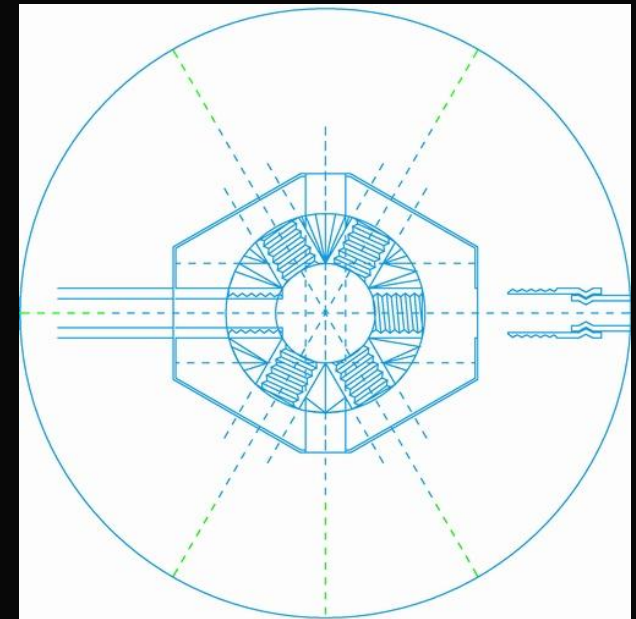
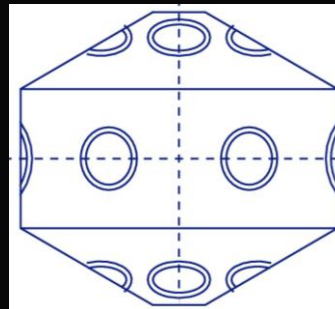
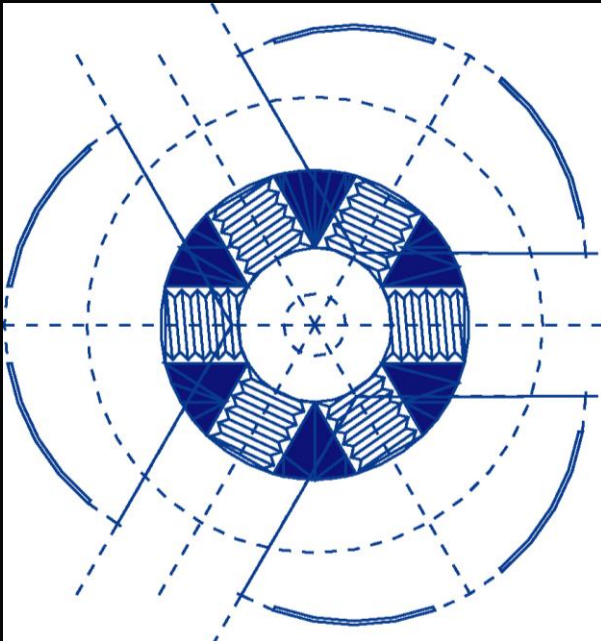
Design of luminaires

'Rangoli'



Design of luminaires

CONCEPT OF DESIGN



❖ Junction Detail

