

Mon LUMI Versions



OUR SOLUTIONS

Text in Black: 2018 existing product
Text in white : in development



Present range



MAP

Technologies:

- Mapping
- Eco Map
- 3D Map

Sizes:

- S
- M
- L
- XL
- Outdoor

AIR

Technologies:

- Screen Replication

Sizes:

- S
- M

AKTIV

Technologies:

- Movement detection
- AKTIV

Sizes:

- S
- M
- L
- XL
- Outdoor

TAG

Technologies:

- QR code & TAG reader

Sizes:

- S
- M

SELECT

Technologies:

- Computer Vision
- Laser
- Object :2D and 3D recognition

Sizes:

- S
- M
- L

Outdoor

Technologies:

- AKTIV-
- MAP

Sizes:

- XL

OEM

Technologies:

- All MON LUMI techs
- Adaptable to all suspensions

Sizes:

- S
- M
- L

New developments to come



SELECT Mini

Technologies:

- Computer Vision

Applications:

- Kitchen demo
- Collaborative desk (coworking, Architects, Technical meetings)

Sizes:

- XS

AKTIV Home

Technologies:

- Aktiv Movement detection

Applications:

- Decoration and animation
- Kids room
- Entrance corridor
- Living room table

Sizes:

- XS
- S

AKTIV Mini Waiting room

Technologies:

- Aktiv Movement detection

Applications:

- Decoration and animation
- Waiting room

Sizes:

- XS
- S

AKTIV Light

Technologies:

- Aktiv
- Light projector

Applications:

- Interactive Indoor/Outdoor Light projection

Sizes:

- G-L
- G-XL

MAP Light

Technologies:

- MAP
- Light projector

Applications:

- Indoor/Outdoor Light projection for signalization

Sizes:

- G-L
- G-XL

SPOT

Technologies:

- MAP
- Aktiv

Applications:

- Wall projection

Sizes:

- S
- M
- L

AIR Pop

Technologies:

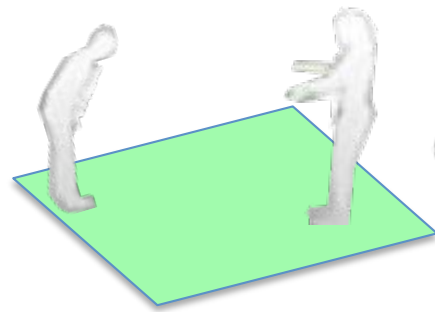
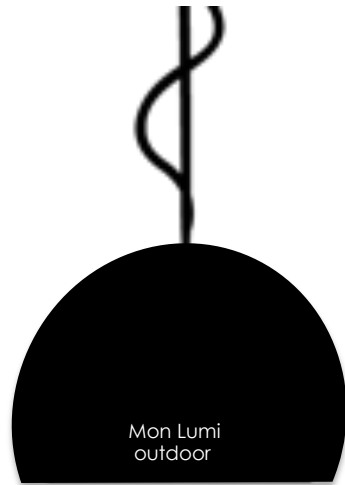
- Pop & Link

Applications:

- Menu ordering

Sizes:

- S
- M



Outdoor store, hotel,
restaurant entrances



Brighter environments
or larger tables or
floors usages

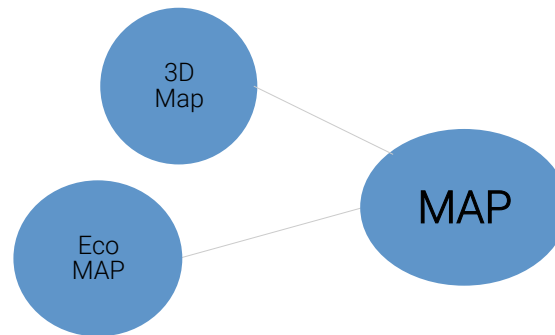


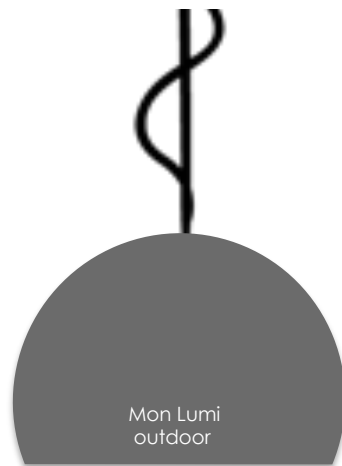
1 to 4 people. Sizes depend on light
conditions from S to M and L



home use, very
controlled light
conditions

MON LUMI MAP





Lamp type : MON LUMI MAP

Environment : Indoor & outdoor use

Sizes available : Small, Medium, Large, XL, Outdoor

Applications : Table, Counter (S/M/L), Floor (XL and Outdoor)

Use:

- Sales and information desk mapping
- Furniture Decoration
- Advertisement teaser
- Dining special effects and experience (table, plates animations)
- Etc...

Nb of simultaneous users:

- Small: 1 to 2/4 people (4 in low light conditions)
- Medium: 1 to 4/6 people (6 in low light conditions)
- Large: 2 to 4/6 people (6 in low light conditions)
- XL: 4 to 8 persons (more if floor projection)
- Outdoor: 4 to 8 persons

Software :

- Eco MAP (simple mapping)
- 3D MAP (3d Mapping with objects insertions)

Operating mode

- Tables, counters and floors are mapped with video contents projected through the MON LUMI lamp

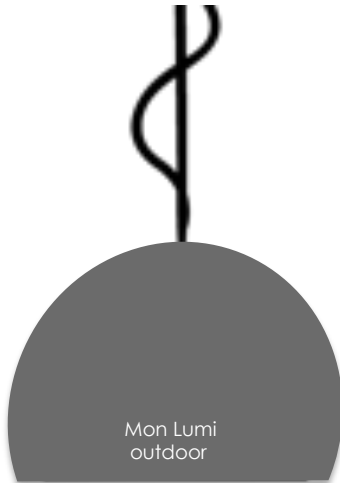
Options:

- Sound via Bluetooth





No Interaction



Mon Lumi
outdoor



Mon Lumi
XL



Mon Lumi L



Mon Lumi M



Mon Lumi S



MAP

Technologies:

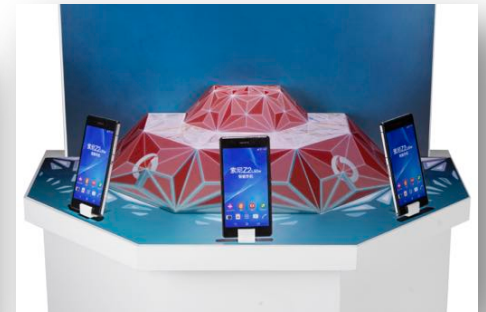
- Mapping
- Eco Map
- 3D Map

Sizes:

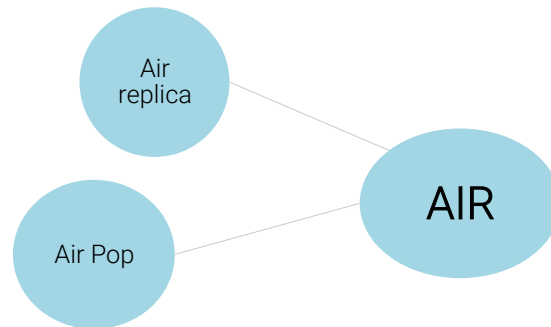
- S
- M
- L
- XL
- Outdoor

Best use cases:

- Product information
- Dynamic Decoration
- Floor Signage



MON LUMI AIR





Interaction through external devices (Smartphones, Tablets, Laptops, Computers)



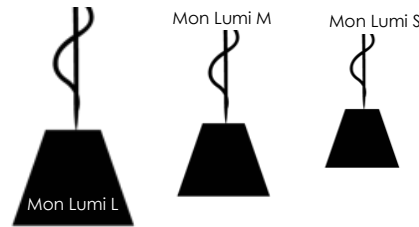
AIR

Technologies:

- Screen Replication

Sizes:

- S
- M
- L



Lamp type : MON LUMI AIR

Environment : Indoor use

Sizes available : Small, Medium, Large

Applications : Table, Counter (S/M/L)

Use:

- Sales and information desk duplication (bank, insurance, Pharmacy, train, etc..)
- Co working information duplication
- Picture and video sharing in table projection in restaurants
- Etc...

Nb of simultaneous users:

Small: 1 to 2/4 people
Medium: 1 to 4/ 6 people
Large: 1 to 4/6people



Software :

- AIR software

Operating mode

- Tablets, Laptops and Smartphone log to the lamp via screen sharing application and provide the contents to a larger audience via the MON LUMI lamp

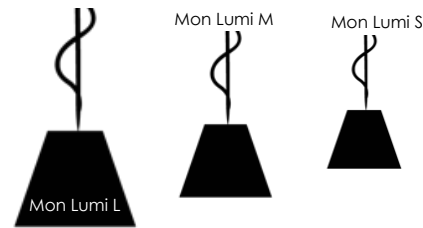
Options:

- Sound via Bluetooth





Interaction through
external devices
(Smartphones, Tablets,
Laptops, Computers)



Best use cases:

- Sales and information desk duplication (bank, insurance, Pharmacy, train, etc..)

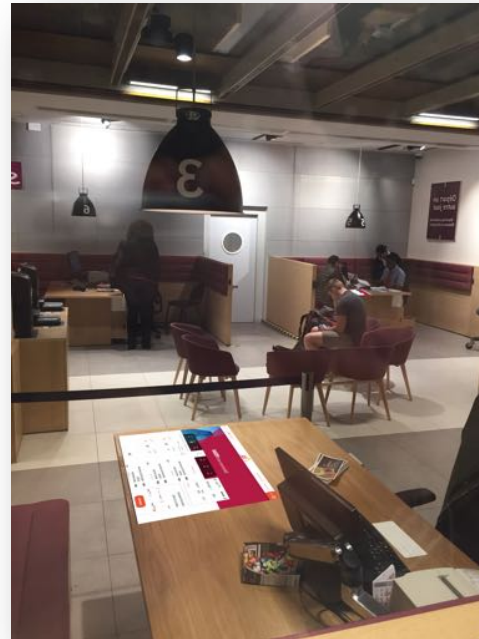
AIR

Technologies:

- Screen
Replication

Sizes:

- S
- M
- L



MON LUMI AIR software



Operation mode:

On the table are projected QR codes which allow the public by flashing the code to log in with their devices (Android, IOS or Windows). Once logged in, the persons at the table can share and view the contents of one or several devices simultaneously.

Applications:

- Photo viewing during waiting time at a restaurant
- Games playing, using the smartphone as a joystick
- Collaborative work, and Document presentation



Interaction through external devices
(Smartphones, Tablets, Laptops, Computers)

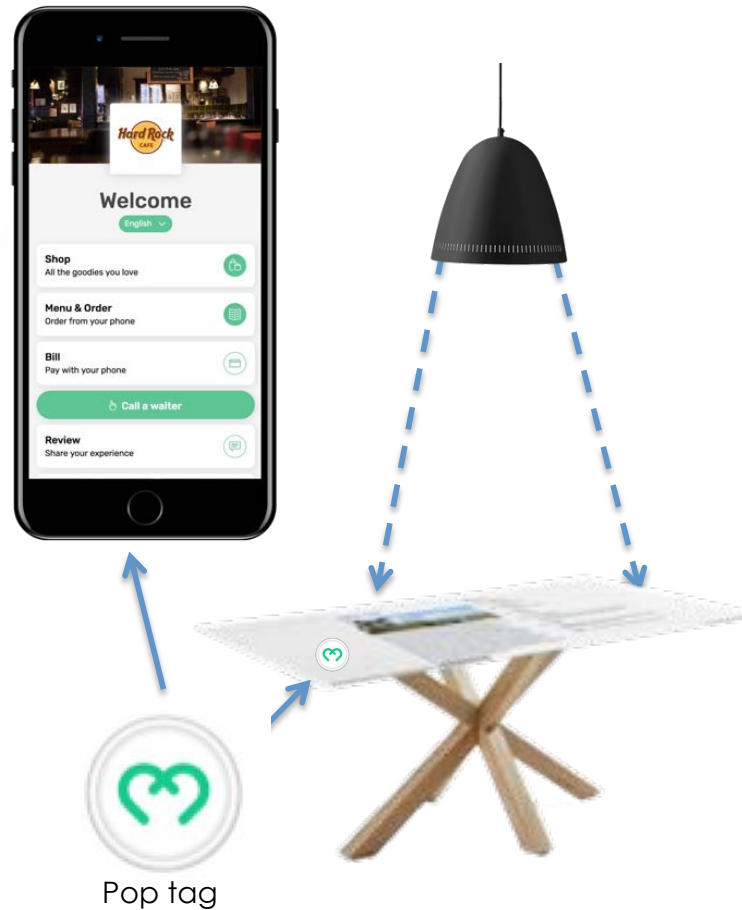
AIR POP

Technologies:

- Pop RFID tag

Sizes:

- S
- M
- L



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AIR POP

Lamp type : MON LUMI POP

Environment : Indoor use

Operation : User puts his phone in contact with the pop tag which links the phone directly to the target page and displays contents on the table.

Applications : Table, Counter (S/M/L)

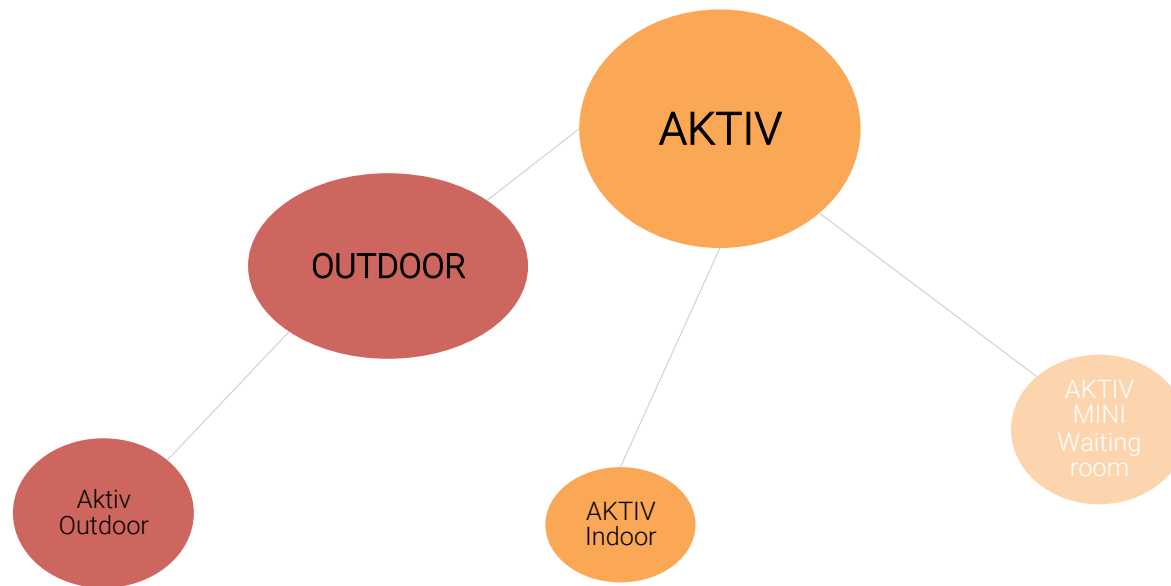
Use:

- Menu ordering in restaurants and bars
- Gaming (smartphone becomes joystick)
- Picture and video sharing in table projection in restaurants
- Etc...

Models & simultaneous users : Small, Medium, Large

Small: 1 to 2/4 people
Medium: 1 to 4 people
Large: 1 to 4 people

MON LUMI AKTIV





Lamp type : MON LUMI AKTIV

Environment : Indoor & outdoor use

Sizes available : Small, Medium, Large, XL, Outdoor

Operating mode :

- Tables, counters and floors are mapped with interactive video contents projected through the MON LUMI lamp. The detection is made through movement recognition and images are modified when interaction is created with visitors entering the animation area.

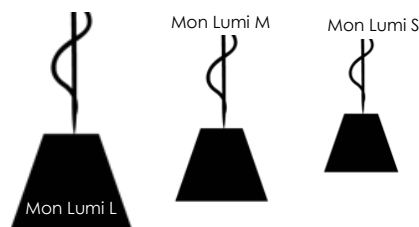
Software :

- AKTIV software
- 3 Effects included (selection in Online Effects catalog with games and animations)

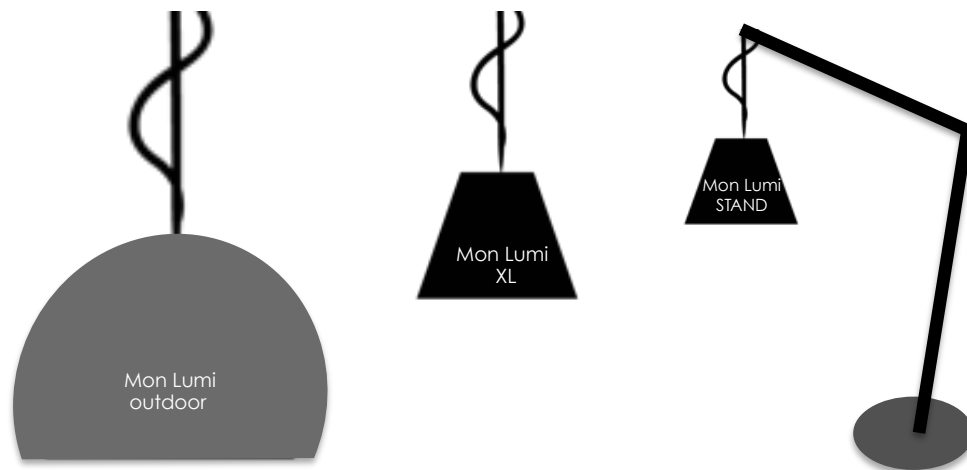


Interaction through
movement detection

Small sizes: S – M – L



Large sizes: Stand, XL, Outdoor



Sizes & Nb of simultaneous users :

Small: 1 to 2/4 people (4 in low light conditions)
 Medium: 1 to 4/6 people (6 in low light conditions)
 Large: 2 to 4/6 people (6 in low light conditions)
 XL: 4 to 8 persons (more if floor projection)
 Outdoor: 4 to 8 persons

Use & Applications :

Table, Counter (S/M/L), Floor (XL and Outdoor)

- Teasers and games on tables (retail, hospitality, etc.)
- Interactive mapping on cash out desks (retail, hospitality, etc.)
- Games & Kids areas (retail, Hospitality, Malls, Hospitals, Banks)
- Etc...

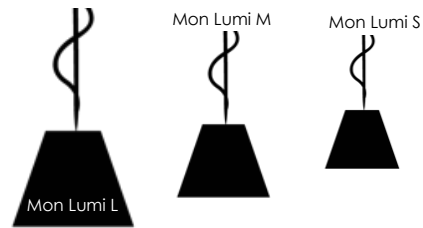
Options :

- Sound via Bluetooth





Interaction through
movement detection



AKTIV (small versions)

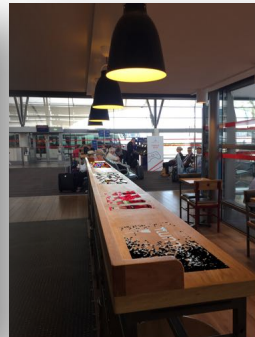
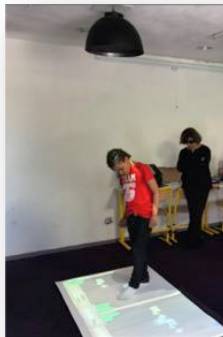
Technologies:
Movement
detection
- AKTIV

Sizes:

- S
- M
- L
- XL
- Outdoor

Best use cases: Table projection

- Visual Entertainment, Teaser information, Games
- Kids areas, Waiting areas, Bars, restaurant and hotel lobbies
- Medical : Kids, Autism & Elderly people stimulation





Interaction through movement detection

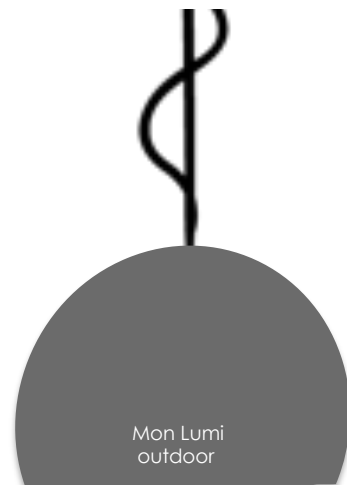
AKTIV (Large versions)

Technologies:

Movement detection
- AKTIV

Sizes:

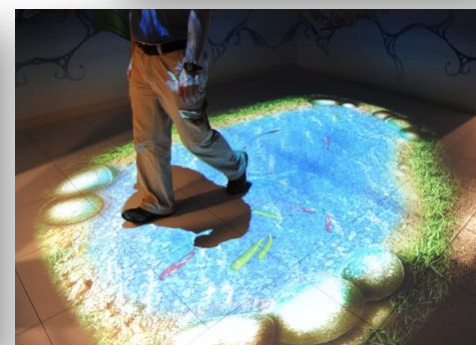
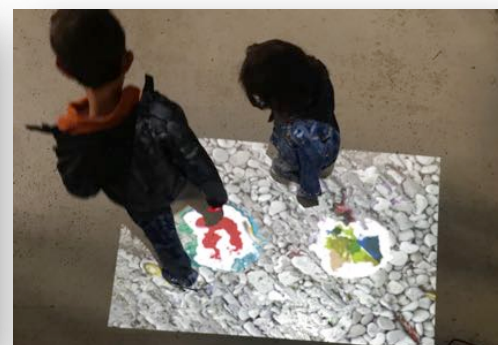
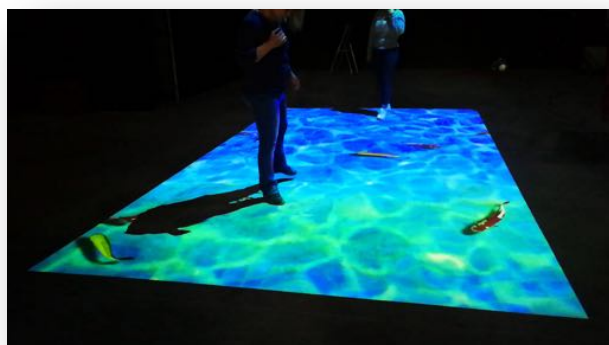
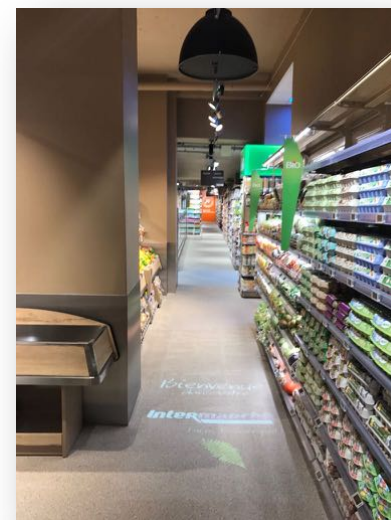
- S
- M
- L
- XL
- Stand
- Outdoor



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Best use cases: Floor projection

- Corporate Waiting areas, Bars, restaurant and hotel lobbies
- Stores floor projections
- Large Kids areas

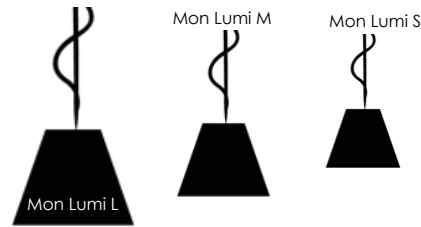


MON LUMI SELECT





Interaction through multitouch & object recognition



SELECT

Technologies:

- Computer Vision
- Laser
- Object :2D and 3D recognition

Sizes:

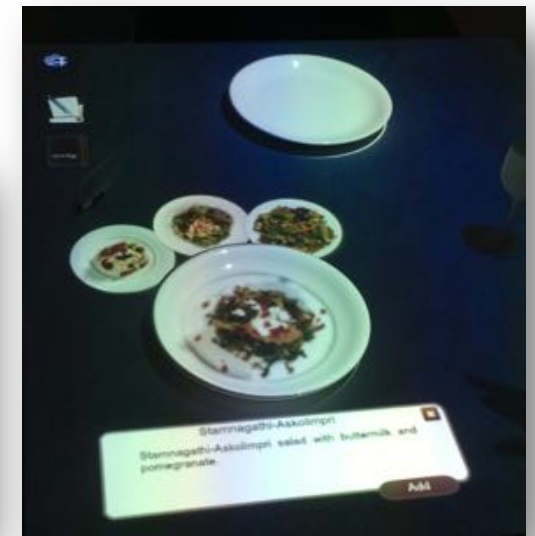
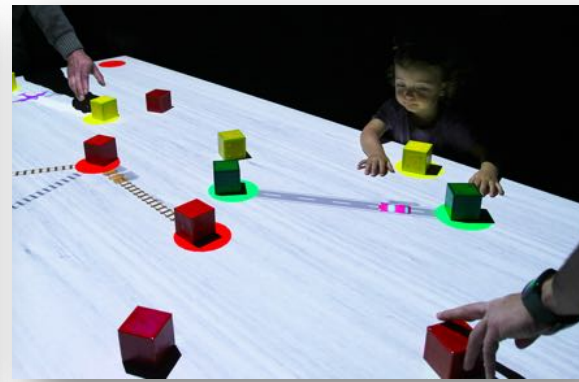
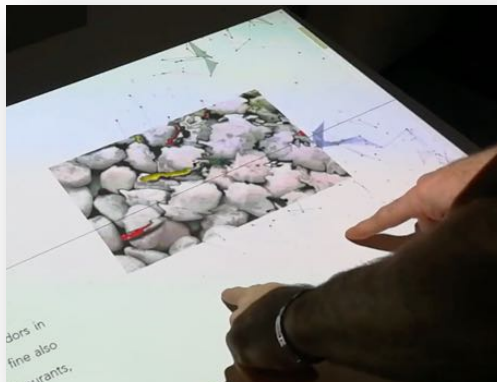
- S
- M
- L

Operation:

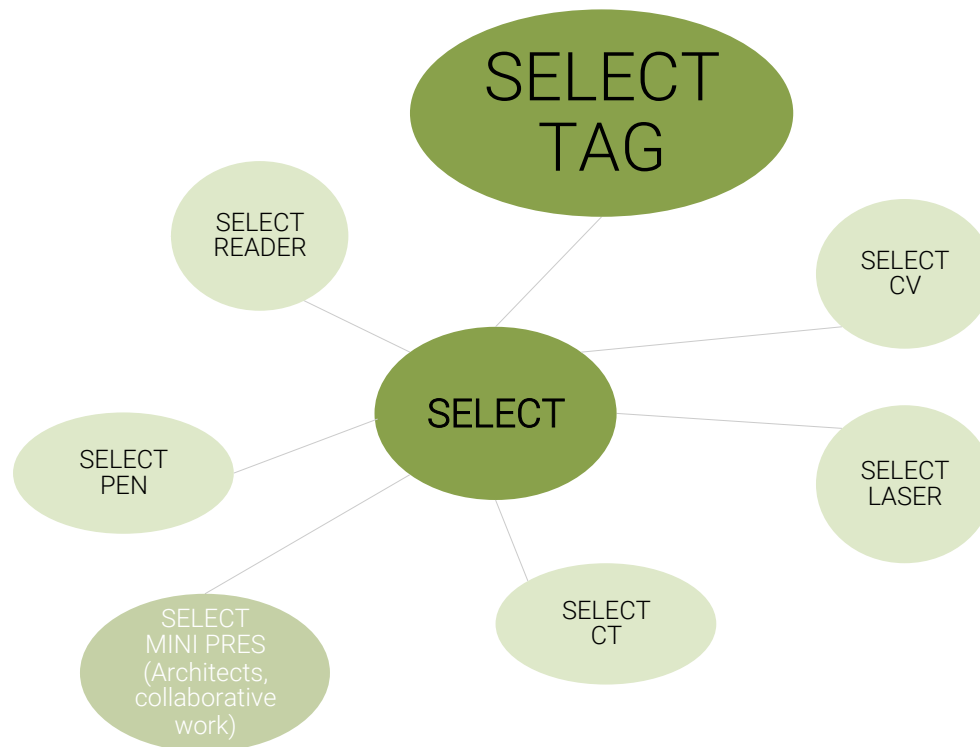
- The following slides present all different versions of the SELECT version of the MON LUMI lamps.
- They all offer various ways for users to interact with the contents provided by the lamp

Best use cases:

- Point of purchase customer engagement, Information, and sales
- Kids & Waiting areas, Bars, restaurant and hotel lobbies

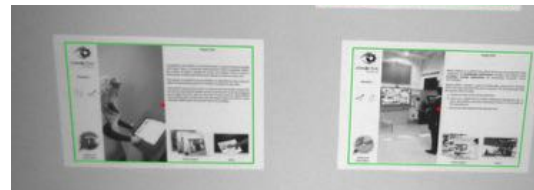


MON LUMI SELECT TAG





Interaction through document recognition



Environment : Indoor use

Operation : Lamp recognizes 2D elements like QR codes and Barcodes, or brochures, book pages, flyers, etc., and creates an animation linked to the recognition made.

When the code, page or document is recognized, a video can be played on the table, around the object or a menu appears to propose more information.

2D: brochures, leaflets, flyers, QR codes, Price tags



Applications : Point of purchase, shelves, tables, Counters, etc... (S/M/L)

Uses :

- Augmented reality Product information (with price tag, QR code, flyer or packaging recognition)
- Store product information
- Customer engagement (when grabbing brochure something happens)

Models & simultaneous users :

Small, Medium, Large

Small: 1 to 2/4 people

Medium: 1 to 4 people

Large: 1 to 4/8 people

Operating conditions : From 0,8 to 5 metres
Page or QR code recognition

Options : Can be combined with:

- RFID reader to transmit information to the lamp.
- Touch Functions (SELECT Laser or SELECT CV)
- Bluetooth sound



Interaction through object recognition



Environment : Indoor use

Operation : Lamp recognizes 3D elements like objects with texture, product boxes, 3D logos, etc.. and creates an animation linked to the recognition made.

When the object is recognized, a video can be played on the table, around the object or a menu appears to offer more rich media information.

3D: Product boxes, Objects, etc.

Applications : Point of purchase, shelves, tables, Counters, etc (S/M/L)

Uses :

- Augmented reality Product information (with price tag, QR code, flyer or packaging recognition)
- Store product information
- Customer engagement (when grabbing brochure something happens)

Models & simultaneous users :

Small, Medium, Large

Small: 1 to 2/4 people

Medium: 1 to 4 people

Large: 1 to 4/8 people

Operating conditions : From 0,8 to 3 metres object recognition



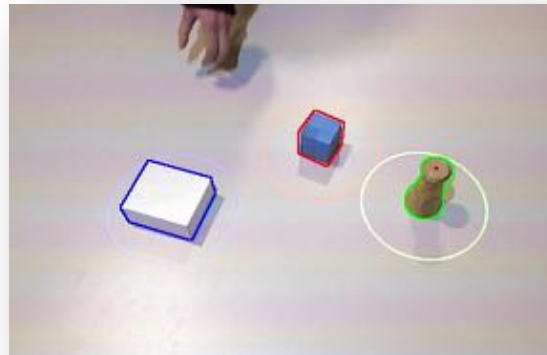
TAG – 3D
textured
Objects

Options :

- RFID reader transmitting information to the lamp.
- Touch Functions (SELECT Laser or SELECT CV)
- Object used as selector
- Bluetooth sound



Interaction through object recognition



Environment : Indoor use

Operation : Lamp recognizes 3D elements like objects without texture (plates, forks, knives etc.), etc.. and creates an animation linked to the recognition made.

When the object is recognized, a video can be played on the table, around the object or a menu appears to offer more information.
3D: Plates, Glasses, Forks knives, etc.

Applications : Point of purchase, shelves, tables, Counters, etc. (S/M/L)

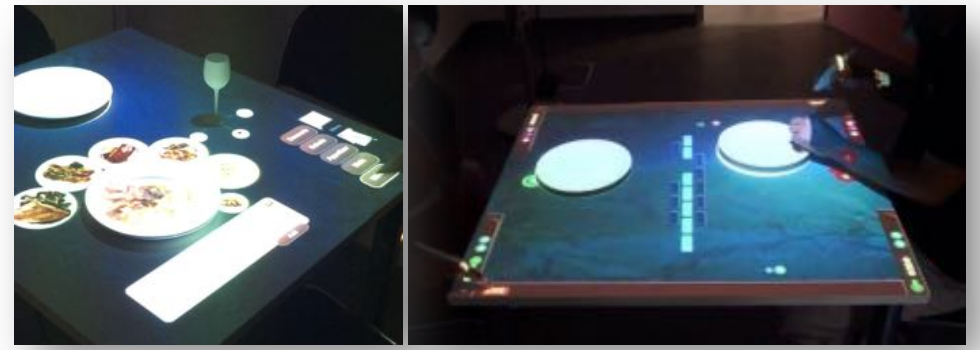
Uses :

- Augmented reality Product information (with price tag, QR code, flyer or packaging recognition)
- Menu selection
- Games
- Store product information
- Customer engagement

Models & simultaneous users :

Small, Medium, Large
Small: 1 to 2/4 people
Medium: 1 to 4 people
Large: 1 to 4/8 people

Operating conditions : From 0,8 to 3 metres object recognition



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TAG – 3D
texture-less
Objects

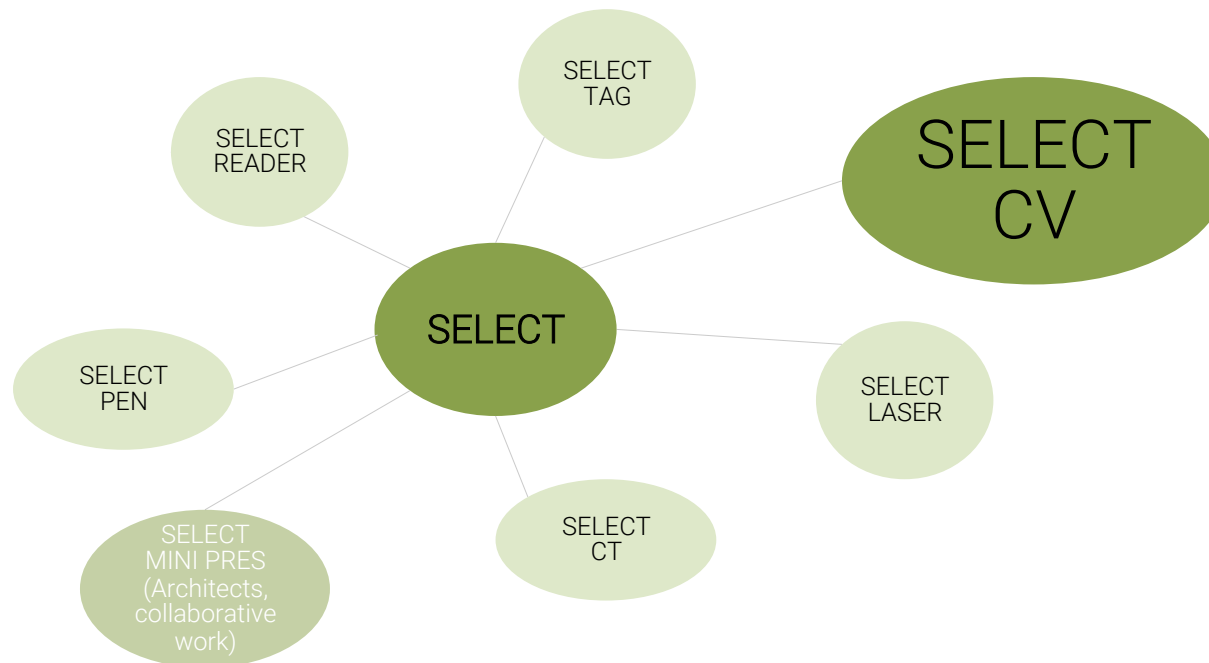
Options : Can be combined with:

- RFID reader transmitting information to the lamp.
- Touch Functions (SELECT Laser or SELECT CV)
- Object used as selector
- Bluetooth sound

MON LUMI

SELECT CV

(CV : Computer Vision)





Environment : Indoor use

Operation : through its sensors and cameras, the Lamp recognizes hand and fingers and makes any table become a multitouch surface. It is then possible to project information on any table and make it interactive like a multitouch table.

Applications : Restaurants, hotels, bars, showrooms, Point of purchase, shelves, tables, counters, etc.

Uses:

- Assisted sales
- Menu selection
- Product information
- Games



Models & simultaneous users : Small, Medium, Large

Small: 1 to 2/4 people

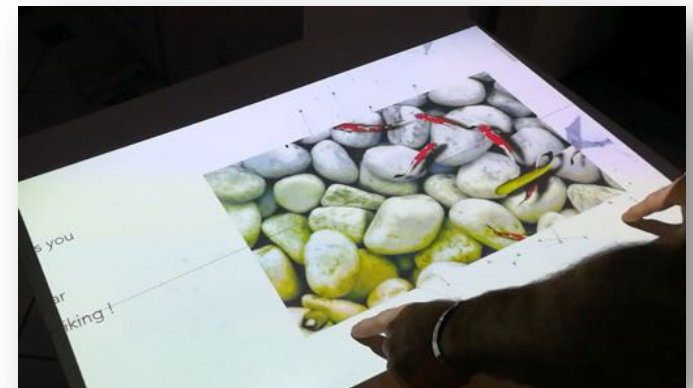
Medium: 1 to 4 people

Large: 1 to 4/8 people

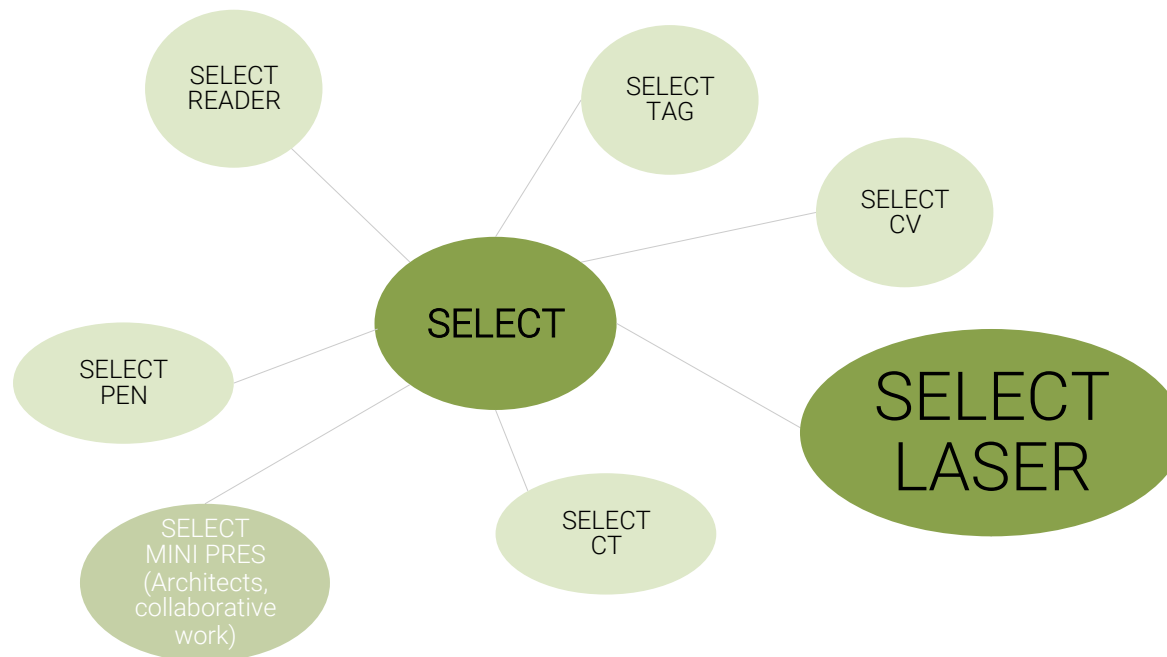
Operating conditions : maximum distance for finger detection 0,8, and up to 1,5 metres for Hand detection

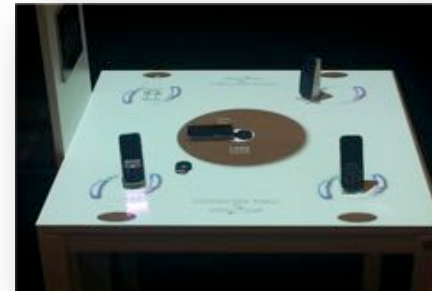
Options : Can be combined with:

- RFID reader to transmit information to the lamp.
- Bluetooth sound



MON LUMI SELECT LASER





Environment : Indoor use

Operation : Using a mix of computer vision and laser technology, the lamp can recognize very precisely any contact point on the table and make it become a multitouch surface. This approach requires to add a small Laser emitter on the table. and make it interactive like a multitouch table.

Applications : restaurant, hotels, bars, showrooms, Point of purchase, shelves, tables, counters, etc.

Uses:

- Assisted sales
- Menu selection
- Product information
- Games

Models & simultaneous users : Small, Medium, Large
 Small: 1 to 2/4 people
 Medium: 1 to 4 people
 Large: 1 to 4/8 people

Operating conditions : Maximum distance is determined by luminosity constraints and projector capacity. From 0,5 up to 3 meters

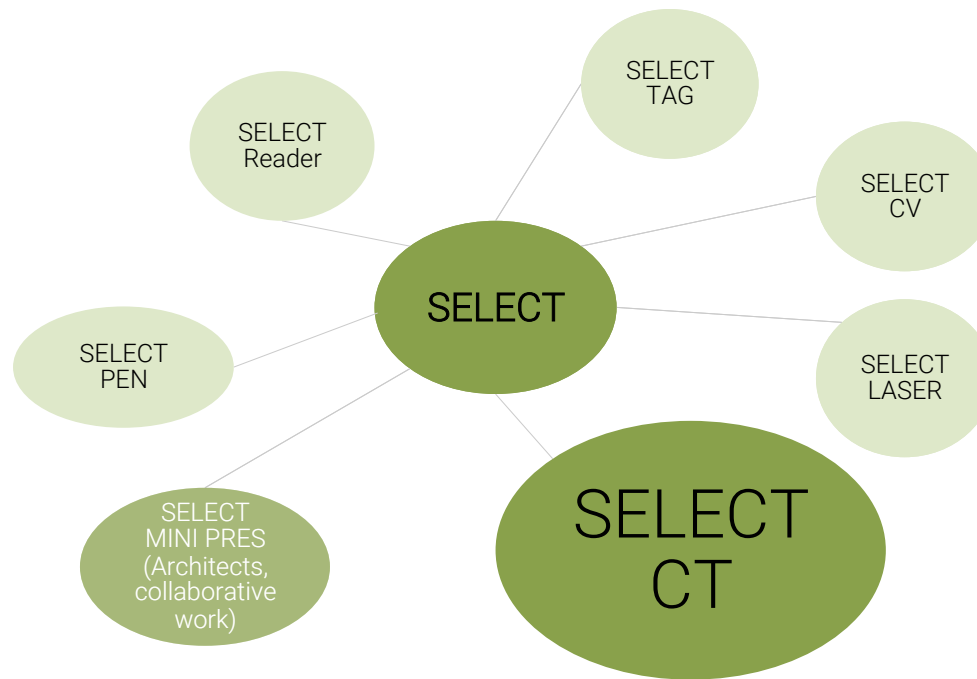
Options : Can be combined with:

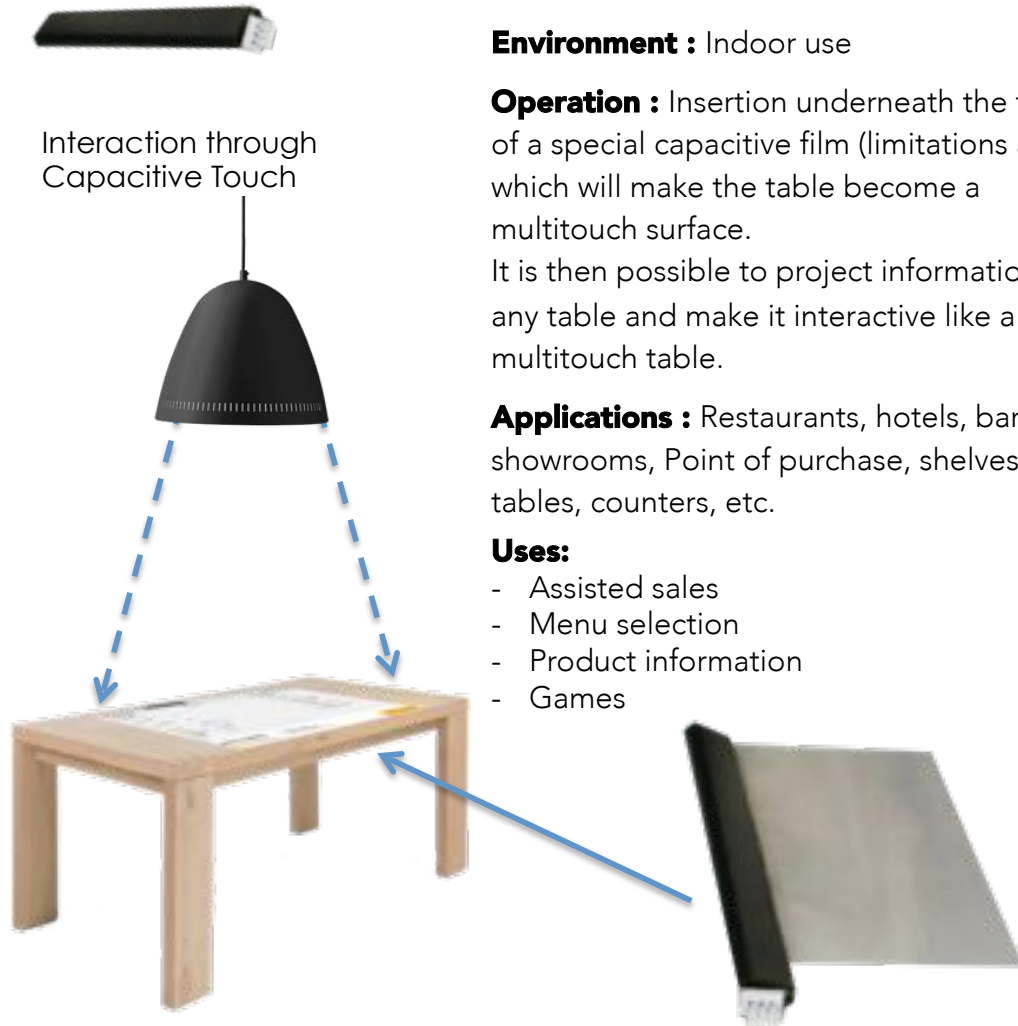
- RFID reader to transmit information to the lamp.
- Bluetooth sound

MON LUMI

SELECT CT

(CT : Capacitive Touch)





Operation : Insertion underneath the table of a special capacitive film (limitations apply) which will make the table become a multitouch surface. It is then possible to project information on any table and make it interactive like a multitouch table.

Applications : Restaurants, hotels, bars, showrooms, Point of purchase, shelves, tables, counters, etc.

Uses:

- Assisted sales
- Menu selection
- Product information
- Games

Models & simultaneous

users :

Small, Medium, Large
 Small: 1 to 2/4 people
 Medium: 1 to 4 people
 Large: 1 to 4/8 people

Operating conditions :

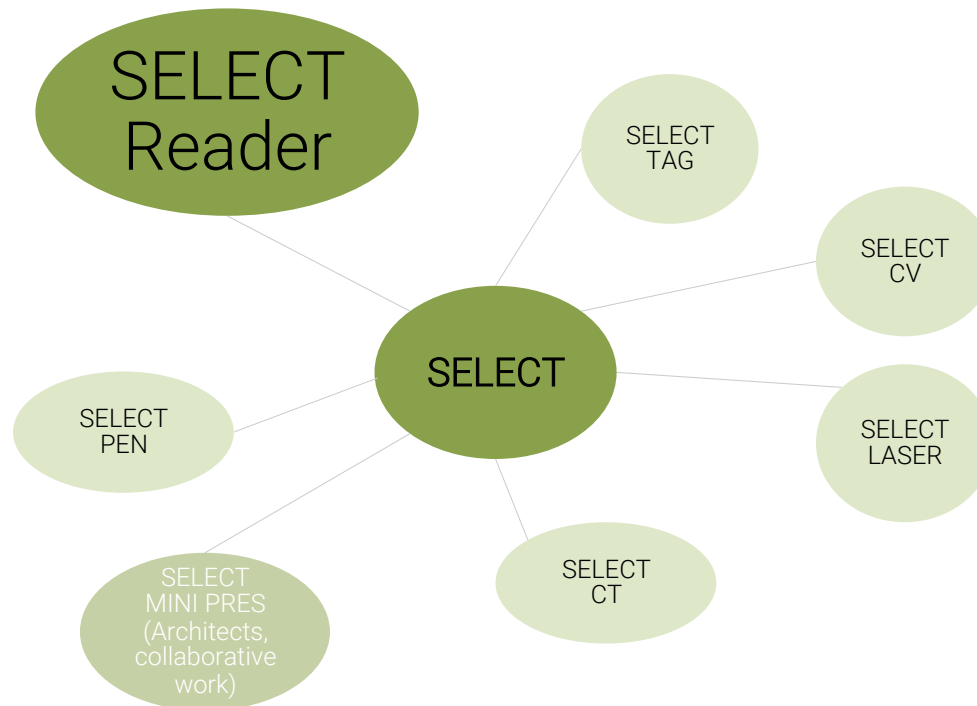
Maximum distance is determined by luminosity constraints and projector capacity. From 0,5 up to 3 meters
 Power is required for the capacitive bar

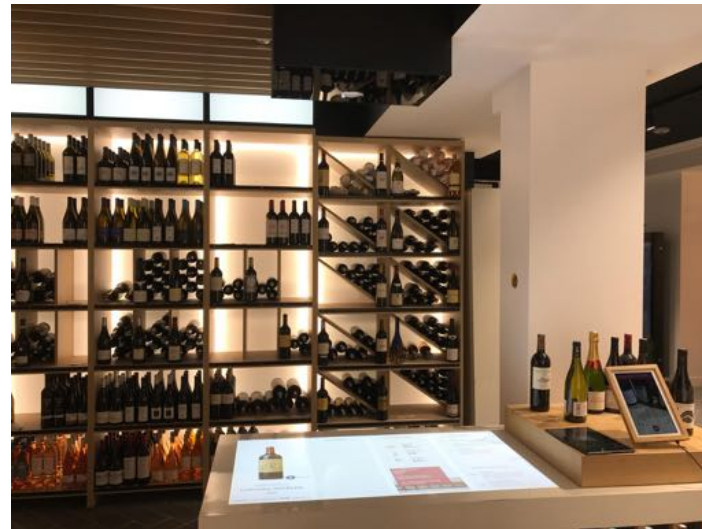
Options : Can be combined with:

- RFID reader to transmit information to the lamp.
- Bluetooth sound



MON LUMI SELECT Reader





Environment : Indoor use

Operation : The Mon LUMI lamp is combined with a RFID, TAG/QR code reader, or External Tablet camera reader and gives the possibility to identify products which are being scanned and identified by the readers and provide rich media contents associated with the recognized reference.

Applications : Point of purchase information points

Uses:

- Assisted sales
- Product information



Models & simultaneous users :

Small, Medium, Large
 Small: 1 to 2/4 people
 Medium: 1 to 4 people
 Large: 1 to 4/8 people

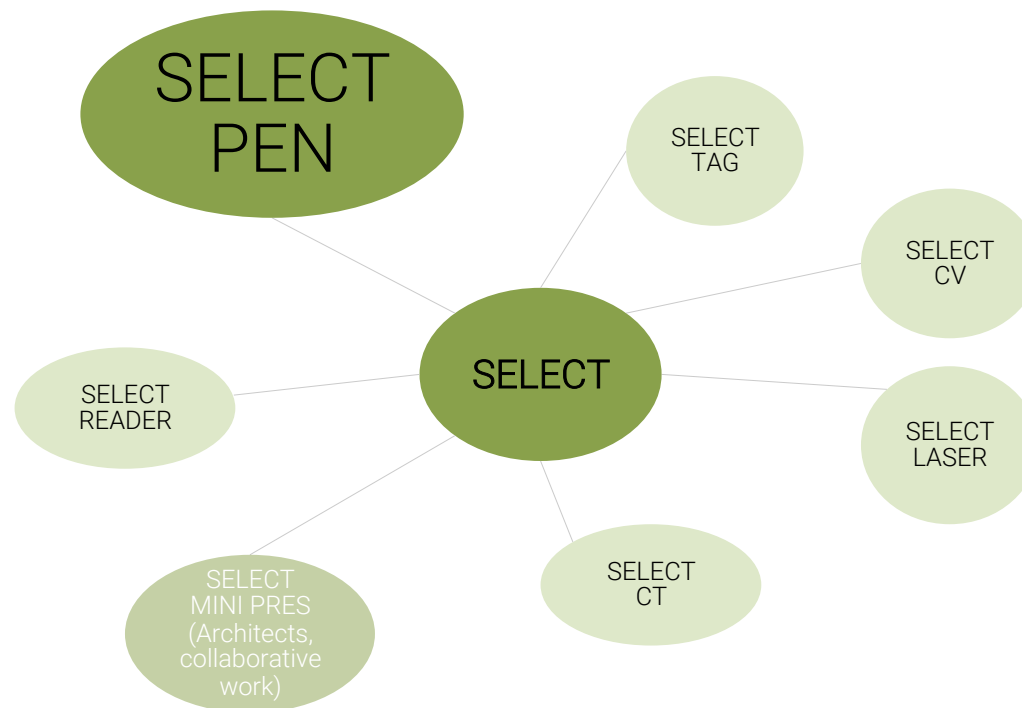
Operating conditions :

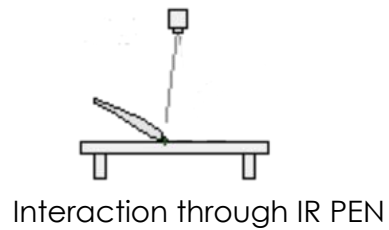
Maximum distance is determined by luminosity constraints and projector capacity. From 0,5 up to 3 meters

Options : Can be combined with:

- Touch technologies (CV, LASER or CT).
- Bluetooth sound

MON LUMI SELECT PEN





Environment : Indoor use

Operation : In The Mon LUMI lamp, the detection software is made of a combination between camera detection and IR pen which offers higher accuracy at bigger distances. The potential applications are numerous, as the table becomes as in the other SELECT versions a touch device. Nb: several users can act simultaneously on the displayed application. Each user interacts via ONE touch contact with the pen

Applications : Restaurants, Co working applications

Uses:

- Menu ordering
- Application browser navigation
- Games



Models & simultaneous users :

Small, Medium, Large
 Small: 1 to 2/4 people
 Medium: 1 to 4 people
 Large: 1 to 4/8 people

Operating conditions :

Maximum distance is determined by luminosity constraints and projector capacity. From 0,5 up to 2 meters

Options : Can be combined with:

- Touch technologies (CV, LASER or CT).
- Bluetooth sound

Sensitive Architects



Your contact:

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Managing Director
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marc@ergo-concepts.fr

www.mon-lumi.com
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www.ergo-sum.fr
www.e-motion-collective.com