

# OMNIA

LED HIGHBAY



One solution,  
every possibility.

THREELINE 



# OMNIA

One solution,  
every possibility.

**Threeline Group** presents **OMNIA**. More than just a LED luminaire, it's a smart and versatile lighting ecosystem designed to meet the challenges of any type of project.

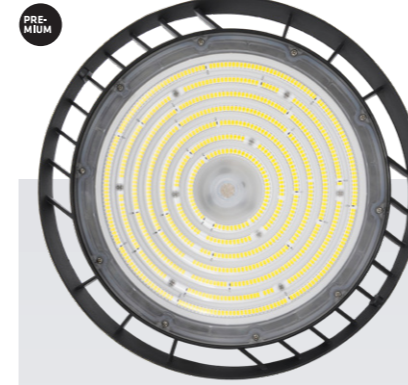
Its name, derived from the Latin word meaning "ALL", defines its essence: an integrated solution that combines power, adaptability and advanced control in a single product.

With an efficiency up to 210 actual lm/W, a power switch offering three options (110W, 160W, 200W), and a wide range of accessories, OMNIA adapts precisely to the needs of any space.

It comes as standard with a 0-10V dimmable driver. As optional features, you can choose a version with the DALI protocol, or add wireless Bluetooth control via CASAMBI technology.

Manufactured from high-quality aluminium, its lightweight and compact design optimises thermal dissipation and ensures long-lasting performance, backed by a 5-year warranty.

**OMNIA** is the perfect combination of innovation, versatility, and advanced design.



## OMNIA OMN HE | HIGH EFFICIENCY

EFFICIENCY	210 lm/W
POWER	110 W / 160 W / 200 W
COLOUR TEMPERATURE	● 5500K ● 4000K

BEAM ANGLE	60° 90° 120°
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DRIVER	0-10V (included)
DIMMING OPTIONS	DALI-2 CASAMBI (Bluetooth)

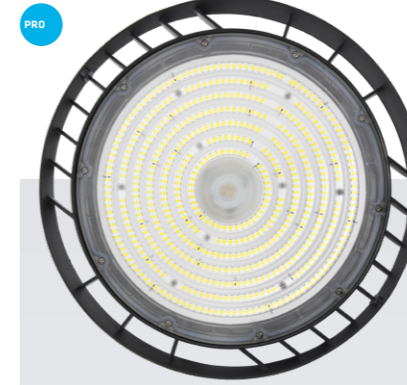
LED TYPE	SMD2835
N° OF LEDS	857
LIFETIME	108000 h L70B50 54000 h L90B50

IP	IP65
IK	IK08

FLICKER	Flicker Free
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ACCESORIES	Emergency kit Bracket Aluminium reflector Polycarbonate reflector Anti-vandal grille Security cable
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WARRANTY	5 years
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## OMNIA OMN ME | MEDIUM EFFICIENCY

EFFICIENCY	185 lm/W
POWER	110 W / 160 W / 200 W
COLOUR TEMPERATURE	● 5500K ● 4000K ● 3000K

BEAM ANGLE	60° 90° 120°
------------	--------------------

DRIVER	0-10V (included)
DIMMING OPTIONS	DALI-2 CASAMBI (Bluetooth)

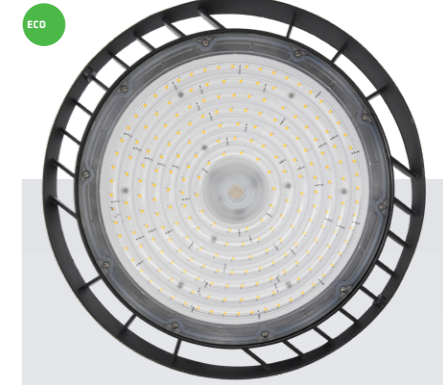
LED TYPE	SMD2835
N° OF LEDS	420
LIFETIME	108000 h L70B50 54000 h L90B50

IP	IP65
IK	IK08

FLICKER	Flicker Free
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ACCESORIES	Emergency kit Bracket Aluminium reflector Polycarbonate reflector Anti-vandal grille Security cable
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WARRANTY	5 years
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## OMNIA OMN LE | LOW EFFICIENCY

EFFICIENCY	150 lm/W
POWER	110 W / 160 W / 200 W
COLOUR TEMPERATURE	● 5500K ● 4000K

BEAM ANGLE	60° 90° 120°
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DRIVER	0-10V (included)
DIMMING OPTIONS	DALI-2 CASAMBI (Bluetooth)

LED TYPE	SMD3030
N° OF LEDS	280
LIFETIME	108000 h L70B50 54000 h L90B50

IP	IP65
IK	IK08

FLICKER	Flicker Free
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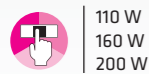
ACCESORIES	Emergency kit Bracket Aluminium reflector Polycarbonate reflector Anti-vandal grille Security cable
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WARRANTY	5 years
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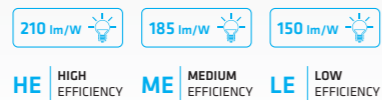
# OMNIA. FEATURES



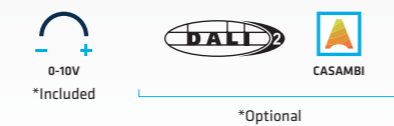
### • Power Switch



### • Efficiency



### • Dimming Options



### • Beam angles



### • Protection Rating



### • Material



### • Optional



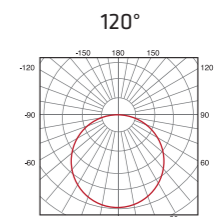
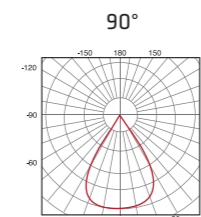
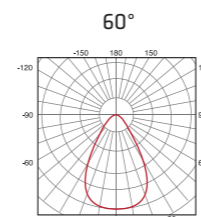
### • Accessories



# OMNIA. FEATURES



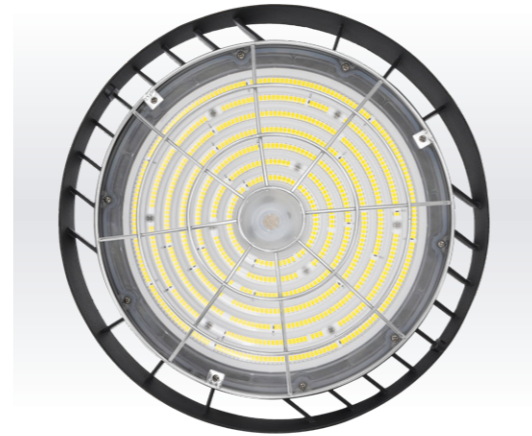
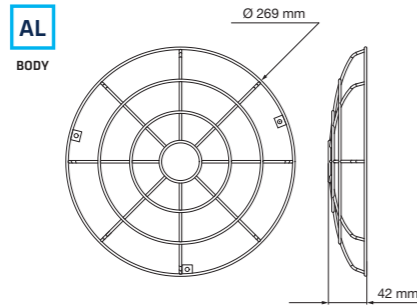
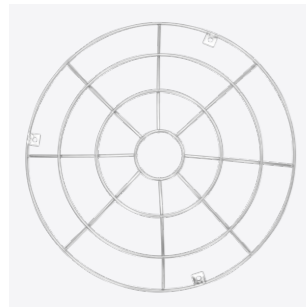
Sealed against dust and protected against humidity  
**IP65**



## OMNIA. ACCESSORIES

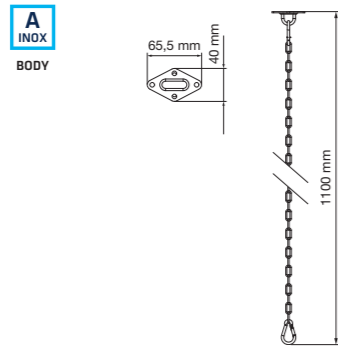
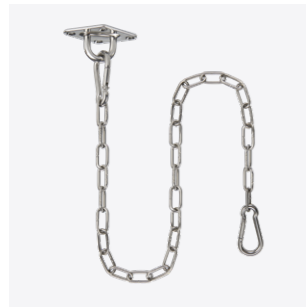
### ANTI-VANDAL GRILLE

Ref. **RAVOMN**



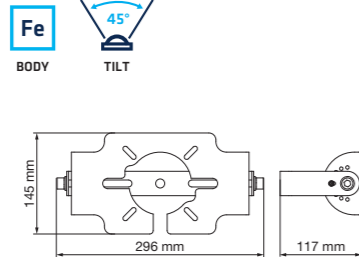
### SECURITY CHAIN

Ref. **CSGOMN**



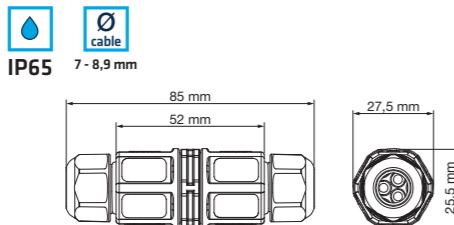
### BRACKET

Ref. **BRKOMN**



### SEALED CONNECTOR

Ref. **WCIP65**

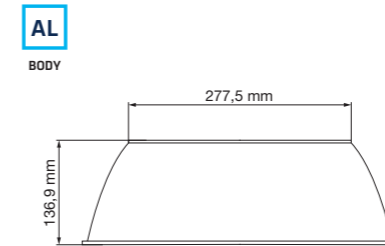


\*Accessories must be ordered separately

## OMNIA. ACCESSORIES

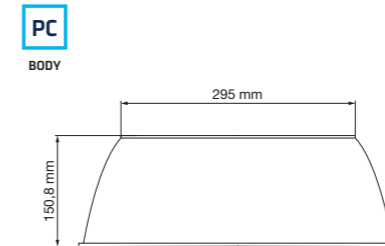
### ALUMINIUM REFLECTOR

Ref. **RFALOMN**



### POLYCARBONATE REFLECTOR

Ref. **RFPCOMN**

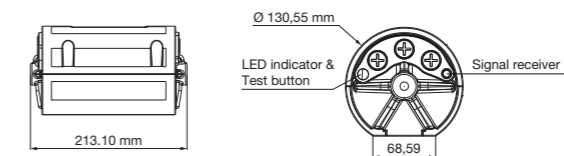


### EMERGENCY KIT

Ref. **KEOMN**



Emergency kit for OMNIA highbay with external driver, providing an **emergency output power of 20W with 3 hours of autonomy.**





## WHAT IS CASAMBI?

It is an advanced control system based on Bluetooth Low Energy (BLE). Casambi is a state-of-the-art wireless technology and the only low power wireless technology in all modern smartphones, tablets and even smart watches since 2012.

Casambi technology can also be easily integrated into luminaires and drivers creating an optimal solution in terms of ease of installation and functionality with minimal deployment costs.

This system provides a mesh network where all the intelligence of the system is replicated in every node.



## EASY TO USE

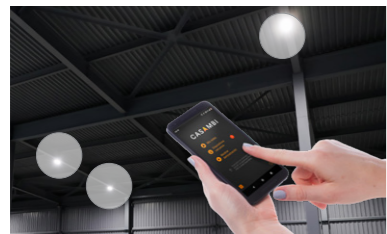
Casambi is a very intuitive system made both for the consumer market as well as the professional market.

The app is free to download and it is available in Google play and App Store.

Connect it to the luminaire, pair it to the phone and it will be ready without any professional help.

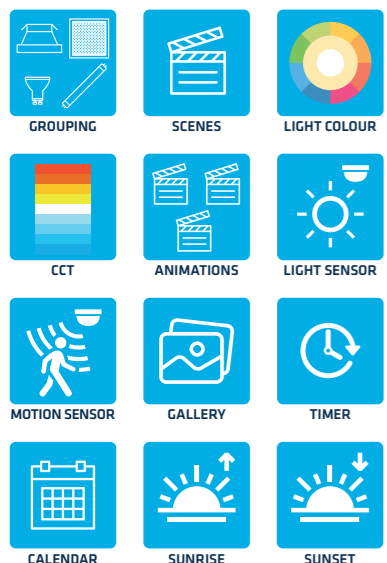
## FEATURES

1. Compatible with all the new smartphones, tablets and smartwatches.
2. The system is on constant synchronisation.
3. It is only connected when necessary.
4. It allows up to 250 devices in a net.
5. Unlimited number of scenes and animations.
6. Different access levels.
7. Versatile customizable software.
8. Maximum range between nodes: 30 m (depending on the obstacles).



## FUNCTIONS

- Dimming light and adjusting colour temperature
- Grouping all the luminaires, switching them on and off and dimming them all together or they can be opened for individual control.
- Creating, saving and repeating scenes and animations.
- Using the timer to turn on and off scenes and animations based on a convenient time and date.
- Taking photos of a space, and marking the positions of the luminaires on them.
- Matching the timers to the local sunrise and sunset times.



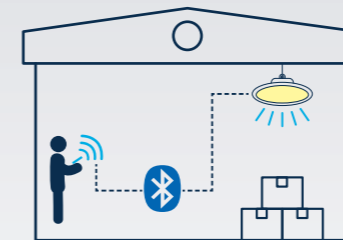
## CASAMBI CONTROLLER

Ref. **CSBOMN**



**Professional Bluetooth control** system offering maximum flexibility, unlimited integration, and advanced **lighting management** for the **most complex projects**.

## LOCAL ACCESS



An internet connection is not required for its functioning.

Communication is carried out through BLE (Bluetooth Low Energy).

## REMOTE ACCESS



It is possible to remotely control the luminaires via internet, using a Gateway.

A network administrator can also configure the network remotely.

## CASAMBI GATEWAY

Ref. **CSB\_GTW4.2**



For remote control, it is necessary to have a Casambi Gateway always connected, along with smartphone or a tablet with internet connection within the Bluetooth range of one of the luminaires.



# OMNIA. SENSORS

## ON/OFF

### PIR SENSOR. Motion + light sensor (PIR)

Ref. **SPIROMN**

#### 5 FUNCTIONS:



1. Daylight sensor

2. Detection range  
3. Hold time

4. Stand-by period  
5. Stand-by dimming



### MICROWAVE SENSOR. Motion + light sensor (MW)

Ref. **SMWOMN**

#### 5 FUNCTIONS:



1. Daylight sensor

2. Detection range  
3. Hold time

4. Stand-by period  
5. Stand-by dimming



### REMOTE CONTROL FOR SENSORS. Telecomando per cambiare la configurazione dei sensori

Ref. **MRCOMN**



#### FUNCTIONS:

- Scenes configuration
- Detection area setting
- Brightness setting relative to the threshold (daylight)
- Stand-by time levels setting
- Hold time options setting
- Brightness adjustment

2 x AAA (2,2 -3V) batteries not included in the remote control.

# OMNIA. PIR SENSOR vs. MICROWAVE SENSOR



## PIR SENSOR



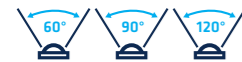
## MICROWAVE SENSOR



<b>Detection technology</b>	Passive Infrared (PIR). It detects motion.	Microonde (Radar Doppler a 5.8GHz). Rileva il movimento.
<b>Natural light threshold</b>	Minimum level of natural light (lux) from which the highbay does NOT turn on when motion is detected, because there is enough natural light.	Minimum level of natural light (lux) from which the highbay does NOT turn on when motion is detected, because there is enough natural light.
<b>Natural light detection</b>	Dimming of the highbay based on detected natural light. Function selectable only with the remote control MRCOMN.	Dimming of the highbay based on detected natural light. Function selectable only with the remote control MRCOMN.
<b>Detection range</b>	3-7m range (9.84 - 22.96 ft)	4-8m range (13.12 - 26.24 ft)
<b>Maximum installation height</b>	≤ 12m (39.37 ft)	≤ 15m (49.21 ft)
<b>Detection angle</b>	< 120° (defined by Fresnel lens)	Adjustable between 30° - 150° (more versatile)
<b>Material penetration</b>	No. It cannot detect motion through obstacles. The lens must be uncovered.	Yes. It can detect motion through non-metallic materials (plastic, glass, thin wood).
<b>Warm-up time</b>	50 seconds	10 seconds (much faster)
<b>Stand-by consumption</b>	< 15mA	< 30mA (it consumes 2x in stand-by mode)
<b>Operation temperature</b>	-20°C ~ +60°C	-40°C ~ +70°C (much wider range)
<b>Interference</b>	Affected by variable temperature air flows (air conditioning, heaters)	Affected by variable temperature air flows (air conditioning, heaters)
<b>Ideal environment</b>	Spaces with non-metallic obstacles, heights above 12m, environments with significant temperature changes.	Spaces with non-metallic obstacles, heights above 12m, environments with significant temperature changes.
<b>Main advantage</b>	Low consumption, with lower probability of fake triggers caused by radiofrequency interference.	Low consumption, with lower probability of fake triggers caused by radiofrequency interference.
<b>Considerations</b>	Efficiency decreases with high temperatures (especially >40°).	Higher consumption, and it requires meticulous installation to avoid interference and false triggers

# OMNIA

PRE-MIX OMNHE A+G



• Material • Certif.



• Included • Dimming Options



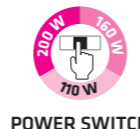
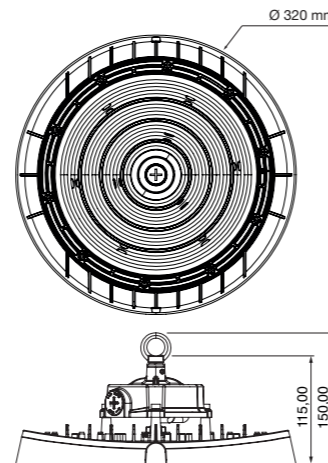
• Optional / Accessories



REFERENCE	DIMMING	K	α	W	☀	☀
OMNHE5560	0-10V	5500K	60°	110 W	25300 lm	23100 lm
OMNHE5560D2	DALI-2	5500K	60°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm
OMNHE4060	0-10V	4000K	60°	110 W	25300 lm	23100 lm
OMNHE4060D2	DALI-2	4000K	60°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm
OMNHE5590	0-10V	5500K	90°	110 W	25300 lm	23100 lm
OMNHE5590D2	DALI-2	5500K	90°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm
OMNHE4090	0-10V	4000K	90°	110 W	25300 lm	23100 lm
OMNHE4090D2	DALI-2	4000K	90°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm
OMNHE55120	0-10V	5500K	120°	110 W	25300 lm	23100 lm
OMNHE55120D2	DALI-2	5500K	120°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm
OMNHE40120	0-10V	4000K	120°	110 W	25300 lm	23100 lm
OMNHE40120D2	DALI-2	4000K	120°	160 W	36800 lm	33600 lm
				200 W	46000 lm	42000 lm



THREELINE  
0-10V DIMMING INCLUDED  
Actual 210 lm/W



POWER SWITCH

# OMNIA

PRO OMNME A+G



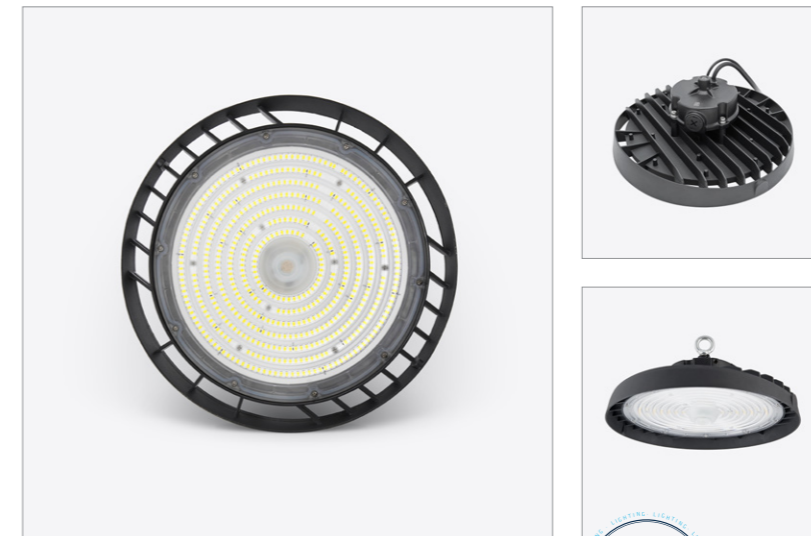
• Material • Certif.



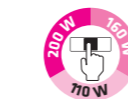
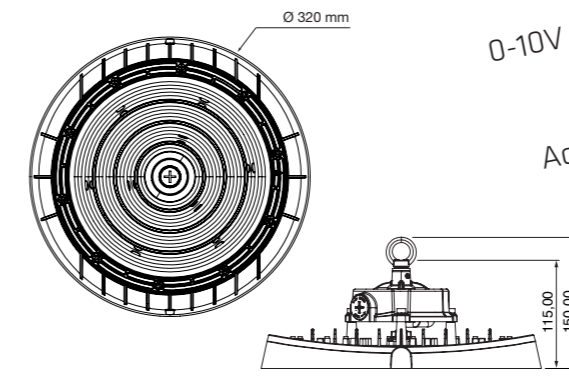
• Included • Dimming Options



• Optional / Accessories



THREELINE  
0-10V DIMMING INCLUDED  
Actual 185 lm/W



POWER SWITCH

REFERENCE	DIMMING	K	α	W	☀	☀
OMNME5560	0-10V	5500K	60°	110 W	22550 lm	20350 lm
OMNME5560D2	DALI-2	5500K	60°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME4060	0-10V	4000K	60°	110 W	22550 lm	20350 lm
OMNME4060D2	DALI-2	4000K	60°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME3060	0-10V	3000K	60°	110 W	22550 lm	20350 lm
OMNME3060D2	DALI-2	3000K	60°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME5590	0-10V	5500K	90°	110 W	22550 lm	20350 lm
OMNME5590D2	DALI-2	5500K	90°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME4090	0-10V	4000K	90°	110 W	22550 lm	20350 lm
OMNME4090D2	DALI-2	4000K	90°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME3090	0-10V	3000K	90°	110 W	22550 lm	20350 lm
OMNME3090D2	DALI-2	3000K	90°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME55120	0-10V	5500K	120°	110 W	22550 lm	20350 lm
OMNME55120D2	DALI-2	5500K	120°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME40120	0-10V	4000K	120°	110 W	22550 lm	20350 lm
OMNME40120D2	DALI-2	4000K	120°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm
OMNME30120	0-10V	3000K	120°	110 W	22550 lm	20350 lm
OMNME30120D2	DALI-2	3000K	120°	160 W	82800 lm	29600 lm
				200 W	41000 lm	37000 lm

# OMNIA

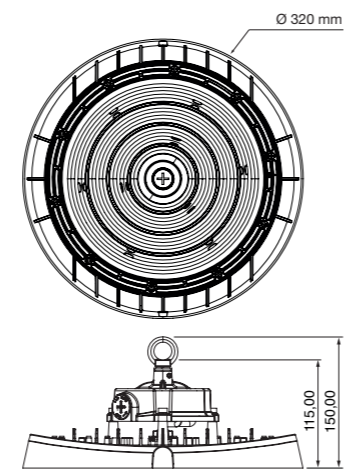
ECO OMNLE

POWER SWITCH  
 5500K  
 4000K  
 220-240Vac 50/60Hz  
 FLICKER FREE  
 5 YEARS WARRANTY  
 CRI >80  
 cos φ >0,90  
 108.000 h  
 x 100.000  
 IP65  
 IK08  
 0-10V  
 RAL 9017  
 60°  
 90°  
 120°

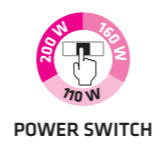


0-10V DIMMING INCLUDED

Actual 150 lm/W



- Material: PC DIFFUSORE, AL BODY
- Certif.:
- Included: 0-10V, DALI-2, Ref. CSBOMN
- Dimming Options: DALI-2, Ref. CSBOMN
- Optional / Accessories:
  - Ref. BRKOMN
  - Ref. RFALOMN
  - Ref. RFPKOMN
  - Ref. CSKOMN
  - Ref. RAVOMN
  - Ref. KEOMN
  - Ref. SPIROMN
  - Ref. SMWOMN
  - Ref. CSBOMN
  - Ref. WCIP65
  - Ref. MRKOMN



REFERENCE	DIMMING	K	α	W	☀	☀
OMNLE5560	0-10V	● 5500K	60°	110 W	18700 lm	16500 lm
OMNLE5560D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm
OMNLE4060	0-10V	● 4000K	60°	110 W	18700 lm	16500 lm
OMNLE4060D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm
OMNLE5590	0-10V	● 5500K	90°	110 W	18700 lm	16500 lm
OMNLE5590D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm
OMNLE4090	0-10V	● 4000K	90°	110 W	18700 lm	16500 lm
OMNLE4090D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm
OMNLE55120	0-10V	● 5500K	120°	110 W	18700 lm	16500 lm
OMNLE55120D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm
OMNLE40120	0-10V	● 4000K	120°	110 W	18700 lm	16500 lm
OMNLE40120D2	DALI-2			160 W	27200 lm	24000 lm
				200 W	34000 lm	30000 lm





OMN HE	OMN ME	OMN LE
210lm/W <small>real</small>   HIGH EFFICIENCY	185lm/W <small>real</small>   MEDIUM EFFICIENCY	150lm/W <small>real</small>   LOW EFFICIENCY
50 x 25 m	50 x 25 m	50 x 25 m
Highbays: 15   OMNHE5590   200W 5500K 90°	Highbays: 18   OMNME5590   200W 5500K 90°	Highbays: 21   OMNLE5590   200W 5500K 90°
Height: 12 m	Height: 12 m	Height: 12 m
Em (lux) 354   Emin/Emed 0,70   Total power 2985 W	Em (lux) 370   Emin/Emed 0,70   Total power 3582 W	Em (lux) 350   Emin/Emed 0,70   Total power 4179 W

OMN HE	OMN ME	OMN LE
210lm/W <small>real</small>   HIGH EFFICIENCY	185lm/W <small>real</small>   MEDIUM EFFICIENCY	150lm/W <small>real</small>   LOW EFFICIENCY
50 x 25 m	50 x 25 m	50 x 25 m
Highbays: 20   OMNHE5560   200W 5500K 60°	Highbays: 25   OMNME5560   200W 5500K 60°	Highbays: 30   OMNLE5560   200W 5500K 60°
Height: 12 m	Height: 12 m	Height: 12 m
Em (lux) 222   Emin/Emed 0,81   Total power 4000 W	Em (lux) 230   Emin/Emed 0,90   Total power 4975 W	Em (lux) 230   Emin/Emed 0,98   Total power 5970 W

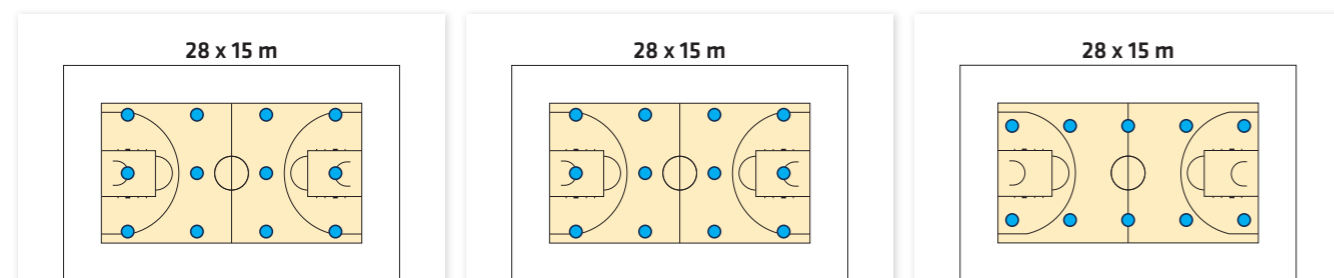
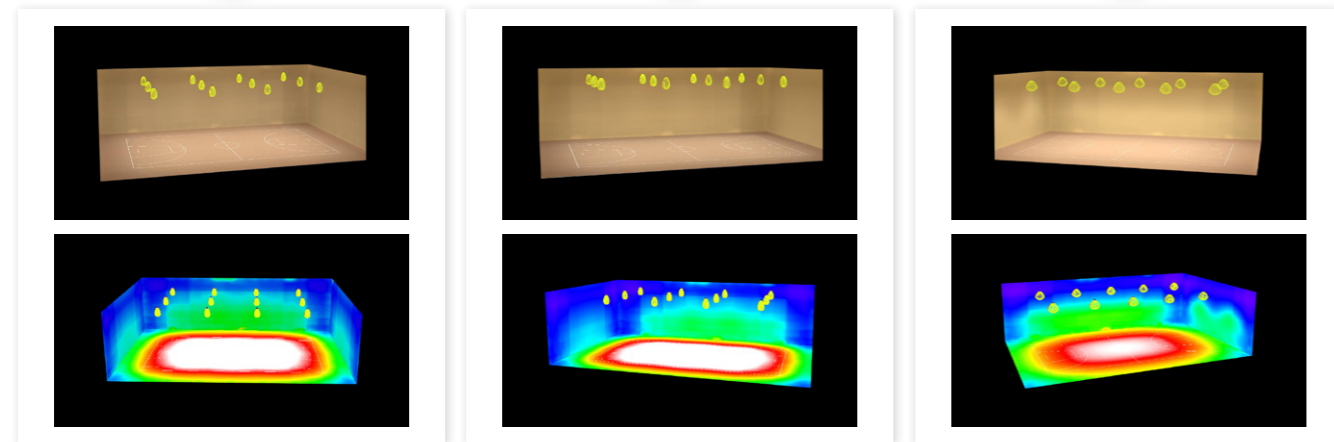
BASKETBALL



VOLLEYBALL



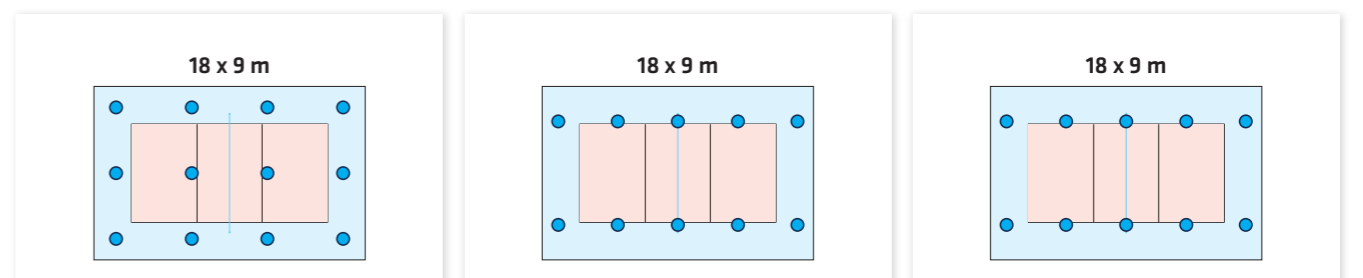
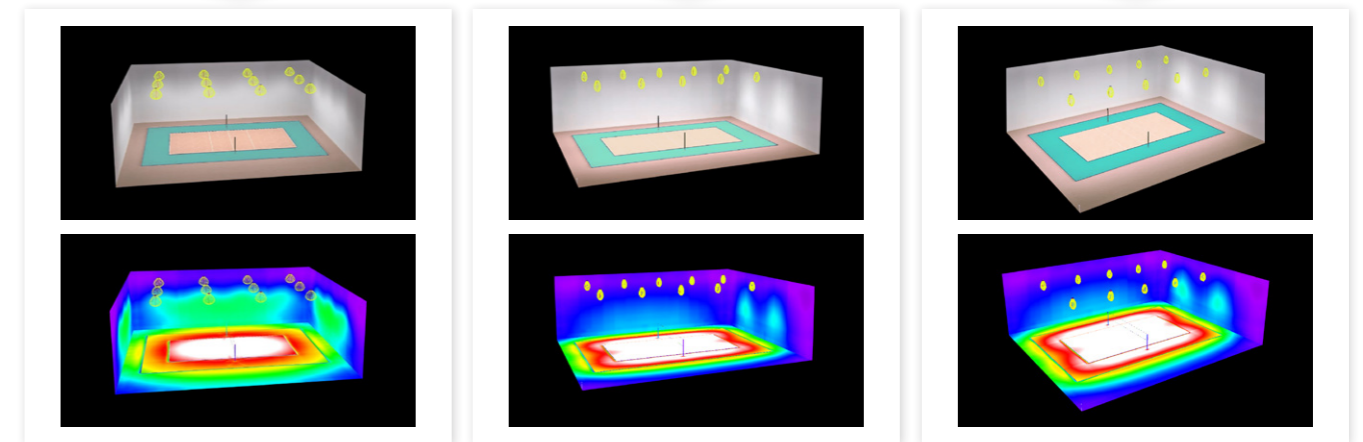
CLASS I		CLASS II		CLASS III	
Em (lux)	Emin/Emed	Em (lux)	Emin/Emed	Em (lux)	Emin/Emed
750	0,7	500	0,5	200	0,5



<p>Actual 210lm/W</p> <p>Highbays: 12 OMNHE5560 200W 5500K 60°</p> <p>Height: 10 m</p>	<p>Actual 185lm/W</p> <p>Highbays: 12 OMNME5560 160W 5500K 60°</p> <p>Height: 10 m</p>	<p>Actual 185lm/W</p> <p>Highbays: 10 OMNME5590 110W 5500K 90°</p> <p>Height: 10 m</p>
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Em (lux)	Emin/Emed	Total power	Em (lux)	Emin/Emed	Total power	Em (lux)	Emin/Emed	Total power
766	0,78	2400 W	517	0,77	1908 W	260	0,75	1080 W

CLASS I		CLASS II		CLASS III	
Em (lux)	Emin/Emed	Em (lux)	Emin/Emed	Em (lux)	Emin/Emed
750	0,7	500	0,5	200	0,5



<p>Actual 210lm/W</p> <p>Highbays: 12 OMNHE5590 200W 5500K 90°</p> <p>Height: 10 m</p>	<p>Actual 210lm/W</p> <p>Highbays: 10 OMNHE5560 160W 5500K 60°</p> <p>Height: 10 m</p>	<p>Actual 210lm/W</p> <p>Highbays: 10 OMNME5560 110W 5500K 60°</p> <p>Height: 10 m</p>
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Em (lux)	Emin/Emed	Total power	Em (lux)	Emin/Emed	Total power	Em (lux)	Emin/Emed	Total power
766	0,88	2388 W	528	0,81	1600 W	319	0,81	1090 W

# OMNIA

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