Lombardo.
HIGH POWER LIGHTING DIVISION



VERSUS - BETA

PROGETTI PER ILLUMINAZIONE SPORTIVA

SPORTS LIGHTING PROJECTS

Lombardo.

HIGH POWER LIGHTING DIVISION

HIGH POWER DIVISION

ENG The High Power line by Lombardo offers powerful and sophisticated lighting solutions, ideal for sports, industrial, commercial, and residential environments. Each product, made with quality materials, combines high resistance and refined design. Floodlights, suspended and recessed linear fixtures are designed to be versatile and easy to install on poles, ground, wall, or ceiling. They feature watertight IP rating and guarantee high performance in any condition. Available in various colors and configurations, customizable options available upon request.

ITA La linea High Power by Lombardo offre soluzioni di illuminazione potenti e sofisticate, ideali per ambienti sportivi, industriali, commerciali e residenziali. Ogni prodotto, realizzato con materiali di qualità, combina alta resistenza e design raffinato. Proiettori, sospensioni e lineari ad incasso e non, sono progettati per essere versatili e facili da installare su pali, a terra, a parete o a soffitto. Presentano grado IP stagno e garantiscono performance elevate in ogni condizione. Disponibili in vari colori e configurazioni, a richiesta con opzioni personalizzabili.

VERSUS



ITA Versus è stato sviluppato per offrire un'illuminazione dedicata ai campi sportivi professionali, amatoriali e ad alta performance, richiamando l'estetica sportiva e creando un perfetto connubio tra funzionalità e stile atletico. La grafica del prodotto dona un tocco identificativo, evocando le texture dei tessuti tecnici dell'abbigliamento sportivo. È disponibile in vari colori, potenze e in quattro versioni: Versus 1, Versus 2, Versus 3 e Versus 4.

Tutti i modelli di Versus sono dotati di un sistema che consente la rotazione fino a 10° garantendo ULR (Upward Light Ratio) 0%, ottenuto grazie all'inclinazione del vetro e alla disposizione studiata dei moduli ottici. Il prodotto grazie al grado di protezione IP66 offre prestazioni eccellenti anche nelle condizioni ambientali più severe e, su richiesta, è disponibile anche con trattamento di verniciatura bordo mare.

L'innovazione del prodotto si riflette non solo nell'estetica, ma anche nel design del corpo, che consente un'elevata efficienza della dissipazione e dell'eccellente drenaggio dell'acqua.
Versus by Lombardo è la scelta ideale per un'illuminazione affidabile e di qualità nel mondo sportivo, capace di trasformare la percezione degli spazi con stile e funzionalità professionale.

ENG Versus has been developed to offer dedicated lighting for professional, amateur, and high-performance sports fields, recalling sporting aesthetics and creating a perfect combination of functionality and athletic style. The product graphics provide an identifying touch, evoking the textures of technical fabrics in sportswear. It is available in various colors, powers, and in four versions: *Versus 1, Versus 2, Versus 3 and Versus 4.*

All Versus models are equipped with a system that allows rotation up to 10° guaranteeing 0% ULR (Upward Light Ratio), achieved thanks to the glass inclination and the studied arrangement of optical modules. The product, thanks to its IP66 protection rating, offers excellent performance even in the most severe environmental conditions and, upon request, is also available with seaside coating treatment.

The product's innovation is reflected not only in aesthetics but also in the body design, which allows high efficiency in heat dissipation and excellent water drainage. Versus by Lombardo is the ideal choice for reliable and quality lighting in the sports world, capable of transforming the perception of spaces with professional style and functionality.

BETA



ITA Beta rappresenta l'evoluzione dell'illuminazione LED ad alte prestazioni, progettata per rispondere alle esigenze più complesse. Questo apparecchio versatile unisce potenza, affidabilità e design funzionale, rendendolo la scelta ideale per applicazioni industriali, commerciali e architettoniche di alto livello.

Beta fa parte della High power lighting division di Lombardo ed è disponibile in diversi colori, garantendo soluzioni ottimali per ogni tipologia di progetto illuminotecnico. La resistenza outdoor e waterproof, unita alla certificazione Ball Test, garantisce prestazioni eccellenti anche nelle condizioni ambientali più severe.

L'innovativo design del corpo illuminante ottimizza la dissipazione termica, mentre la tipologia diffusore studiata assicura un'illuminazione uniforme e di qualità.
Beta è declinato in due versioni: BETA 2 e BETA 4, rappresenta la sintesi perfetta tra tecnologia avanzata, versatilità applicativa e affidabilità nel tempo, consolidandosi come la soluzione di riferimento per i professionisti dell'illuminazione che non accettano compromessi.

ENG Beta represents the evolution of high-performance LED lighting, designed to meet the most complex requirements of professional lighting. This versatile luminaire combines power, reliability and functional design, making it the ideal choice for high-level industrial, commercial and architectural applications.

Beta is part of Lombardo's High Power Lighting Division and is available in different colors, ensuring optimal solutions for every type of lighting project.
The outdoor and waterproof resistance, combined with Ball Test certification, guarantees excellent performance even in the most severe environmental conditions.

The innovative design of the luminaire body optimizes thermal dissipation, while the specially designed diffuser typology ensures uniform and quality illumination.
Beta is available in two versions: BETA 2 and BETA 4, representing the perfect synthesis between advanced technology, application versatility and long-term reliability, establishing itself as the reference solution for lighting professionals who accept no compromises.

CAMPI APPLICATIVI
APPLICATION FIELDS



VERSUS 1



VERSUS 2



VERSUS 3



VERSUS 4

Scopri la gamma
Discover the range



BETA 2



BETA4

Scopri la gamma
Discover the range



PADEL

Campo esterno | Outdoor field **p. 18**
Prodotti Installati | Installed Products:
CL.I - Versus 3 - CL.II Versus 2 - CL.III - Versus 2

Campo interno | Indoor field **p. 20**
Prodotti Installati | Installed Products:
CL.I - Versus 3 - CL.II Versus 3 - CL.III - Versus 2



TENNIS

Campo esterno | Outdoor field **p. 24**
Prodotti Installati | Installed Products:
CL.I - Versus 4 - CL.II Versus 3 - CL.III - Versus 3

Campo interno | Indoor field **p. 26**
Prodotti Installati | Installed Products:
CL.I - Versus 4, Versus 3 - CL.II Versus 3
CL.III - Versus 3, Versus 2



CALCIO | FOOTBALL

Campo esterno a 5/6 | Outdoor field 5/6-a-side **p. 30**
Campo interno a 5/6 | Indoor field 5/6-a-side **p. 32**
Campo esterno a 11 | Outdoor field 11-a-side
- 4 pali | 4 poles **p. 34**
- 6 pali | 6 poles **p. 36**
Campo esterno a 11 dilettanti
Outdoor field amateur 11-a-side
- 4 pali | 4 poles **p. 38**
- 6 pali | 6 poles **p. 40**



PALLACANESTRO BASKETBALL

Campo esterno | Outdoor field **p. 44**
Prodotti Installati | Installed Products:
CL. I - Versus 4 - CL. II Versus 3 - CL III - Versus 2

Campo interno | Indoor field **p. 46**
Prodotti Installati | Installed Products:
CL.I - Versus 4 - CL.II Versus 3 - CL.III - Versus 2



PALLAVOLO | VOLLEYBALL

Campo esterno | Indoor Outdoor **p. 50**
Prodotti Installati | Installed Products:
CL.I - Versus 4 - CL.II - Versus 3 - CL.III - Versus 2

Campo interno | Indoor field **p. 52**
Prodotti Installati | Installed Products:
CL.I - Versus 4 - CL.II - Versus 3 - CL.III - Versus 2



CAMPO POLIFUNZIONALE MULTIPURPOSE FIELD

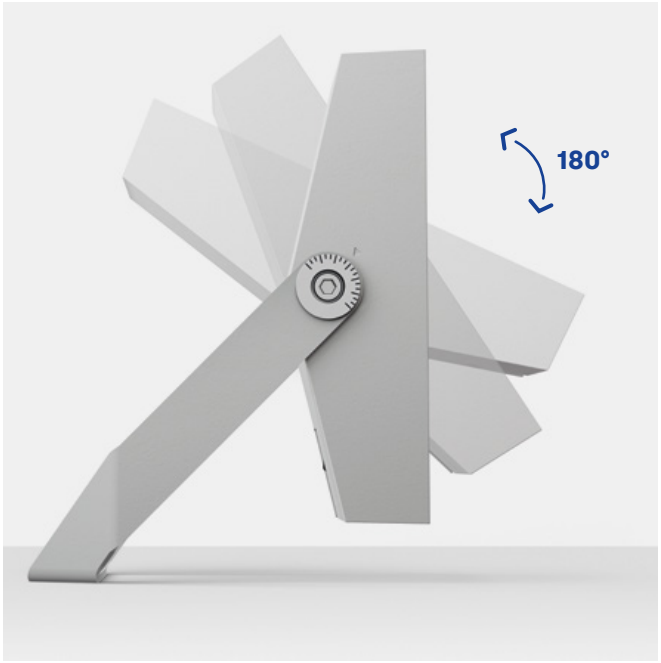
Campo interno | Indoor field **p. 56**
Prodotti Installati | Installed Products:
CL.I - Versus 4 - CL.II - Versus 3 - CL.III - Versus 2

Campo interno | Indoor field **p. 58**
Prodotti Installati | Installed Products:
CL.I - CL.II - CL.III - Beta 4

CARATTERISTICHE VERSUS
VERSUS FEATURES



Vite regolabile con scala graduata.
Adjustable screw with graduated scale.



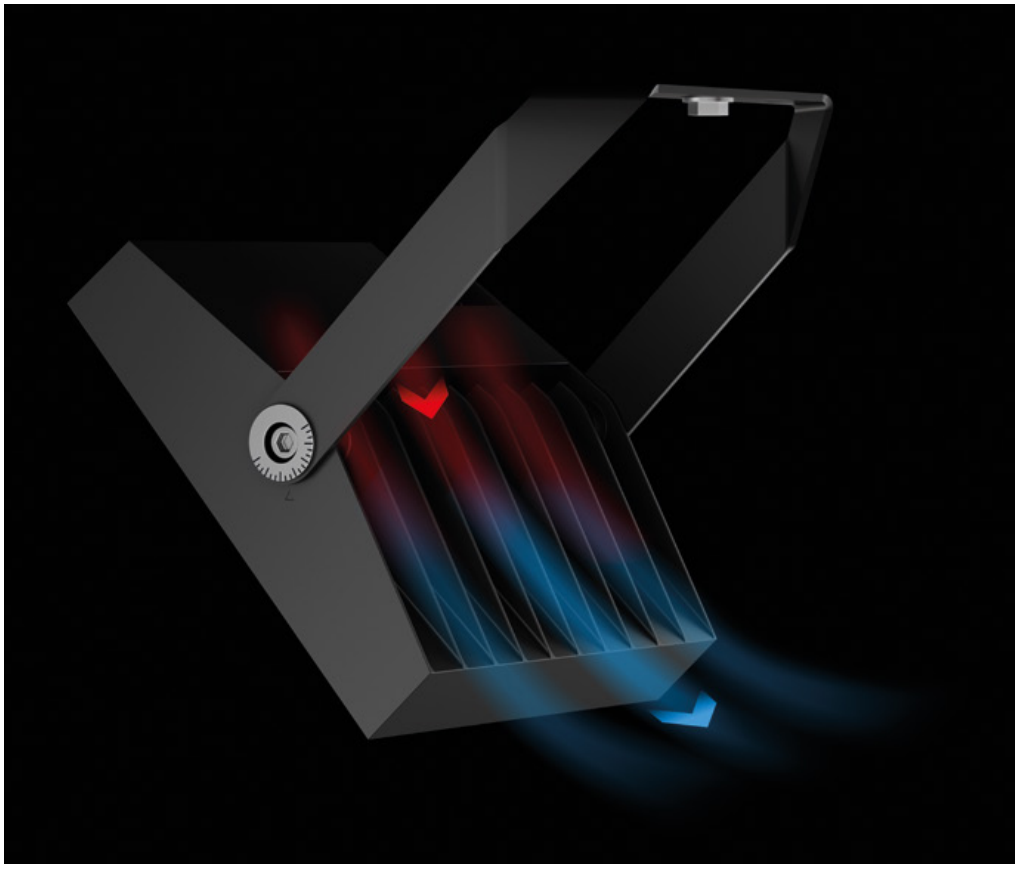
Rotazione di 180°. Sconsigliata l'installazione con vetro diretto verso il cielo.
180° rotation. Installation with glass directed towards the sky is not recommended.



Visiera integrata che consente l'inclinazione fino a 10° garantendo ULR (Upward Light Ratio) 0%.
Integrated visor that allows tilting up to 10° ensuring 0% ULR (Upward Light Ratio).



Colori disponibili.
Available colours.



Alette inclinate posizionate sul retro della lampada per dissipare il calore in modo ottimale ed evitare il ristagno di acqua.

Inclined fins positioned on the back of the lamp to dissipate heat in an optimal manner and avoid water stagnation.

CARATTERISTICHE VERSUS
VERSUS FEATURES

Ruotando la staffa è possibile l'installazione a parete/soffitto/terra
By rotating the bracket, wall/ceiling/ground installation is possible



Parete.
Wall.



Soffitto.
Ceiling.



Terra.
Ground.

Installazione su palo
Installation on post



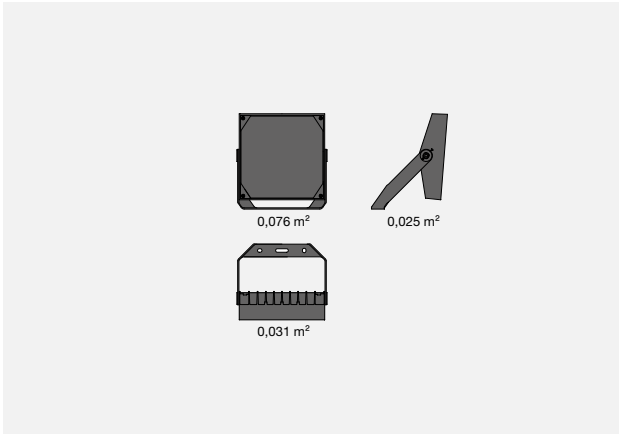
Testa-palo.
Head-pole.



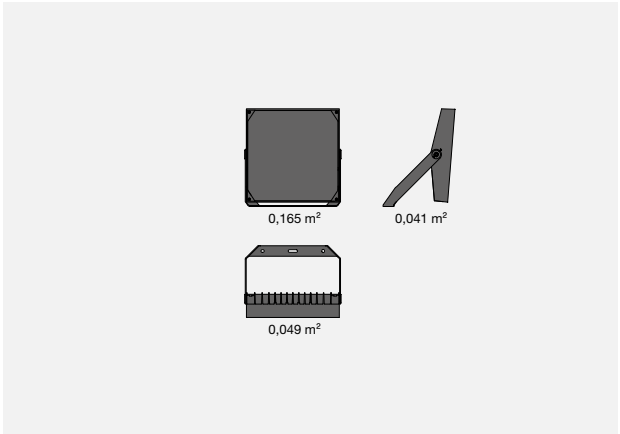
Su staffa.
On bracket.

IP 66 · CAM ON REQUEST · BALL TEST · DIRECT POWER 220-240 V SUPPLY · DIMMABLE · PREWIRED · BORDO MARE (ON REQUEST) · 5 YEARS WARRANTY

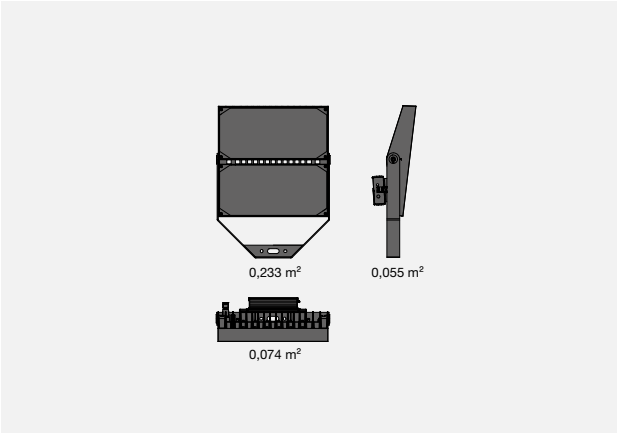
Resistenza al vento
Wind load resistance



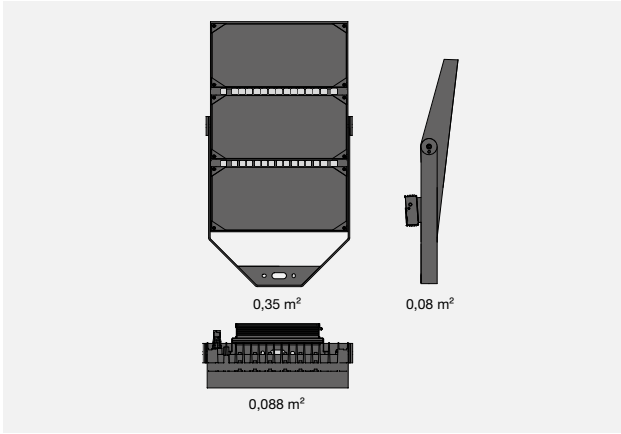
VERSUS 1
Peso: 4 kg | Weight: 4 kg



VERSUS 2
Peso: 8 kg | Weight: 8 kg



VERSUS 3
Peso: 15 kg | Weight: 15 kg



VERSUS 4
Peso: 24 kg | Weight: 24 kg

Ottiche e gradazione LED
Optic and LED Colour



OPTIC
A1 | 30° X 80°
A2 | 30° X 40°
A3 | 30° X 45°
A4 | 60° x 30°
S1 | 30°
S2 | 60°
S3 | 90°
S4 | 120°

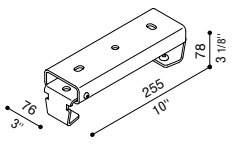
LED COLOUR
5 | 5700K
N | 4000K
3 | 3000K

CARATTERISTICHE BETA
BETA FEATURES

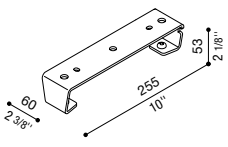


Colori disponibili.
Available colours.

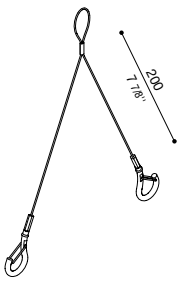
Accessori | Accessories



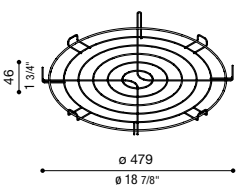
Staffa plafone.
Ceiling bracket.



Staffa blindo.
Girder mounting.



Cavo sospensione Y.
Suspension cable Y.

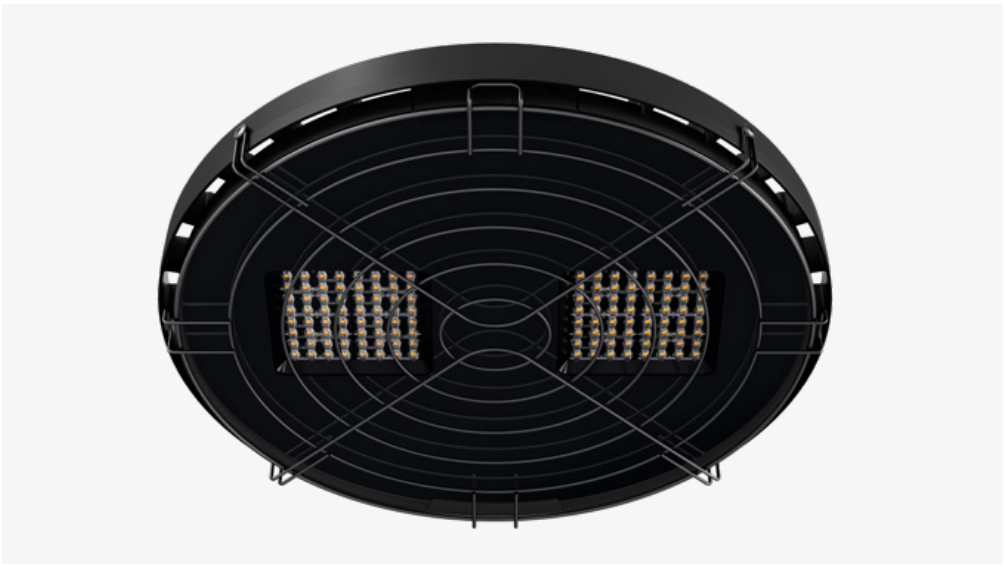


Griglia di protezione.
Grid.



A richiesta, disponibili versioni con vetro colorato.
On request, versions with colored glass available.

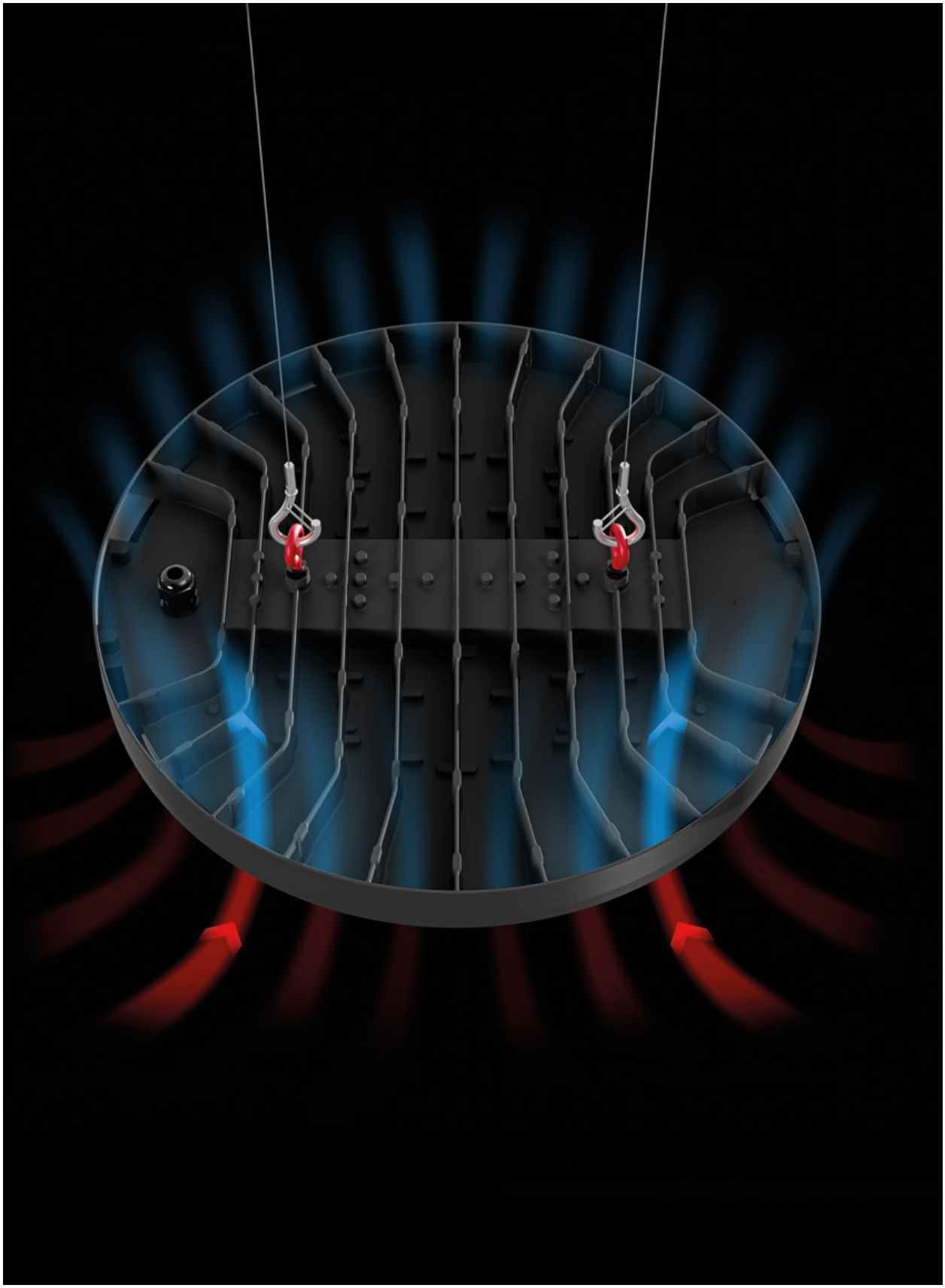
Griglia di protezione per Beta.
Grid for Beta.



OPTIC
S6 | Symm. 60°
S9 | Symm. 90°
E1 | Ellittico
WW | Wall-washer

LED COLOUR
5 | 5700K
N | 4000K
3 | 3000K

CARATTERISTICHE BETA
BETA FEATURES



Fori laterali ed alette poste su tutta la base della lampada per dissipare il calore in modo ottimale.
Side holes and fins on the entire base of the lamp for optimal heat dissipation.



Installazione su staffa blindo.
Girder mounting bracket.



Installazione a sospensione.
Suspension installation.



Installazione a soffitto con staffa plafone.
Ceiling bracket for Beta.

NORMATIVA UNI EN 12193:2019

NORM UNI EN 12193:2019

ITA Questo standard tecnico definisce i parametri luminosi necessari per le strutture sportive europee, sia interne che esterne. Si concentra esclusivamente sui sistemi di illuminazione artificiale e stabilisce criteri minimi per progettare e verificare l'illuminazione negli impianti sportivi.

Obiettivi Principali:

Lo standard mira a garantire condizioni ottimali di visibilità per tutti i soggetti coinvolti: atleti, giudici di gara, pubblico e operatori televisivi. Gli scopi includono:

- Massimizzare la percezione delle informazioni visive durante le competizioni
- Preservare l'efficienza visiva dei partecipanti
- Assicurare un adeguato benessere visivo
- Ridurre al minimo i fenomeni di disturbo luminoso

Parametri Tecnici Considerati:

La normativa stabilisce valori specifici per diversi aspetti illuminotecnici:

- Livelli di luminosità delle superfici
- Distribuzione omogenea della luce
- Controllo dei fenomeni di accecamento
- Caratteristiche cromatiche delle fonti luminose
- Metodologie per le verifiche strumentali
- Vincoli di posizionamento dei corpi illuminanti.

Classificazione per livelli competitivi:

Il documento suddivide gli eventi in tre categorie basate sull'importanza:

Classe I – Alto livello: Competizioni internazionali e nazionali di massimo prestigio, con grande affluenza di pubblico e necessità di riprese televisive professionali. Include anche allenamenti di altissimo livello.

Classe II - Intermedio: Gare regionali o territoriali con pubblico moderato e distanze di osservazione medie. Comprende preparazioni atletiche di alto livello.

Classe III - Base: Competizioni locali o amatoriali, generalmente senza spettatori. Include attività formative, scolastiche e ricreative.

Il documento rimanda alla EN 1838 per quanto riguarda i sistemi di illuminazione di sicurezza ed emergenza.

ENG This technical standard defines the luminous parameters necessary for European sports facilities, both indoor and outdoor. It focuses exclusively on artificial lighting systems and establishes minimum criteria for designing and verifying lighting in sports facilities.

Main Objectives:

The standard aims to ensure optimal visibility conditions for all subjects involved: athletes, referees, audience and television operators. The purposes include:

- Maximizing the perception of visual information during competitions
- Preserving the visual efficiency of participants
- Ensuring adequate visual comfort
- Minimizing light pollution phenomena

Technical Parameters Considered:

The regulation establishes specific values for different lighting aspects:

- Surface brightness levels
- Uniform light distribution
- Control of glare phenomena
- Chromatic characteristics of light sources
- Methodologies for instrumental verification
- Positioning constraints of lighting fixtures

Classification by competitive levels:

The document divides events into three categories based on importance:

Class I - High Level: International and national competitions of maximum prestige, with large public attendance and need for professional television broadcasts. Also includes highest level training.

Class II - Intermediate: Regional or territorial competitions with moderate audience and medium viewing distances. Includes high-level athletic preparations.

Class III - Basic: Local or amateur competitions, generally without spectators. Includes educational, school and recreational activities.

The document refers to EN 1838 regarding safety and emergency lighting systems.

LIVELLO DELLA GARA COMPETITION LEVEL	**Categoria illuminotecnica** | Lighting Category		
	CL. I	**CL. II**	**CL. III**
Internazionale e nazionale | International and national	●		
Regionale | Regional	●	●	
Locale | Local	●	●	●
Allenamento |Training		●	●
Attività sportive ricreative/scolastiche (educazione fisica) Recreational/scholastic sports activities (physical education)			●

AVVERTENZA:

In caso di impianti all'aperto, la temperatura di colore prossimale dell'illuminazione artificiale deve essere tra 5 000 K e 6 000 K. Consigliamo l'acquisto dei Prodotti nei range di queste temperature (5.000 K e 6.000 K).

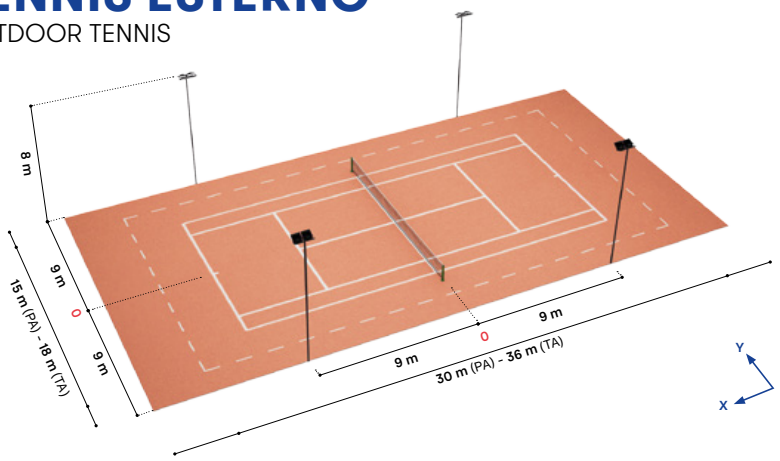
WARNING:

In case of outdoor facilities, the correlated color temperature of artificial lighting must be between 5,000 K and 6,000 K. Therefore, we recommend purchasing products within these temperature ranges (5,000 K and 6,000 K).

LEGENDA
LEGEND

Coeff. man.: Coefficiente di manutenzione.
Main. coeff.: Maintenance factor.

TENNIS ESTERNO
OUTDOOR TENNIS



Dim. campo | Court dim. **[m]**:	30 x 15 (PA) | 36 x 18 (TA)
Posizione | Position **X-Y [m]**:	9 - 9 (0)
Reticolo | Grid **[pt]**:	13 x 7 (PA) | 15 x 7 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	CL. I	CL. II	CL. III
Illuminamento | Illuminance **(LX)**	500	300	200
Uniformità | Uniformity	0,70	0,70	0,60
Abbagliamento | Glare	50	50	55
CRI	70	60	60

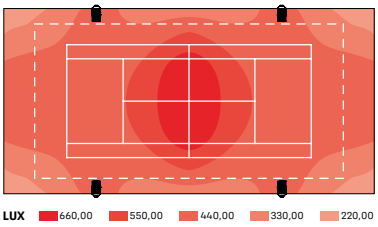
report »

CL. I

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
539	503	0,74	0,59	39	39





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	LL16341GA15	A1	840	128.403	5700	4	513.612	3.360	8

PA: Area principale, Area di gioco effettiva necessaria per l'esecuzione di un determinato sport.
Main area, Actual playing area required for the performance of a particular sport.

TA: Area totale, Area generalmente comprendente l'area principale (PA) più un'area di sicurezza aggiuntiva al di fuori dell'area principale.
Total area, Area generally comprising the main area (PA) plus an additional safety area outside the main area.

CL.: Classe.
Class.

Reticolo: punti di griglia per la misurazione e il calcolo: Disposizione di punti per il calcolo e la misurazione e del relativo numero in ogni dimensione della superficie o piano di riferimento.
Grid: points for measurement and calculation:
Arrangement of points for calculation and measurement and their respective number in each dimension of the reference surface or plane.

EM: Illuminamento.
Iluminance LX.

U2: Uniformità: illuminamento medio su una superficie: Illuminamento calcolato come media sulla superficie specificata.
Uniformity: Illuminance averaged over a surface: Illuminance averaged over the specified surface.

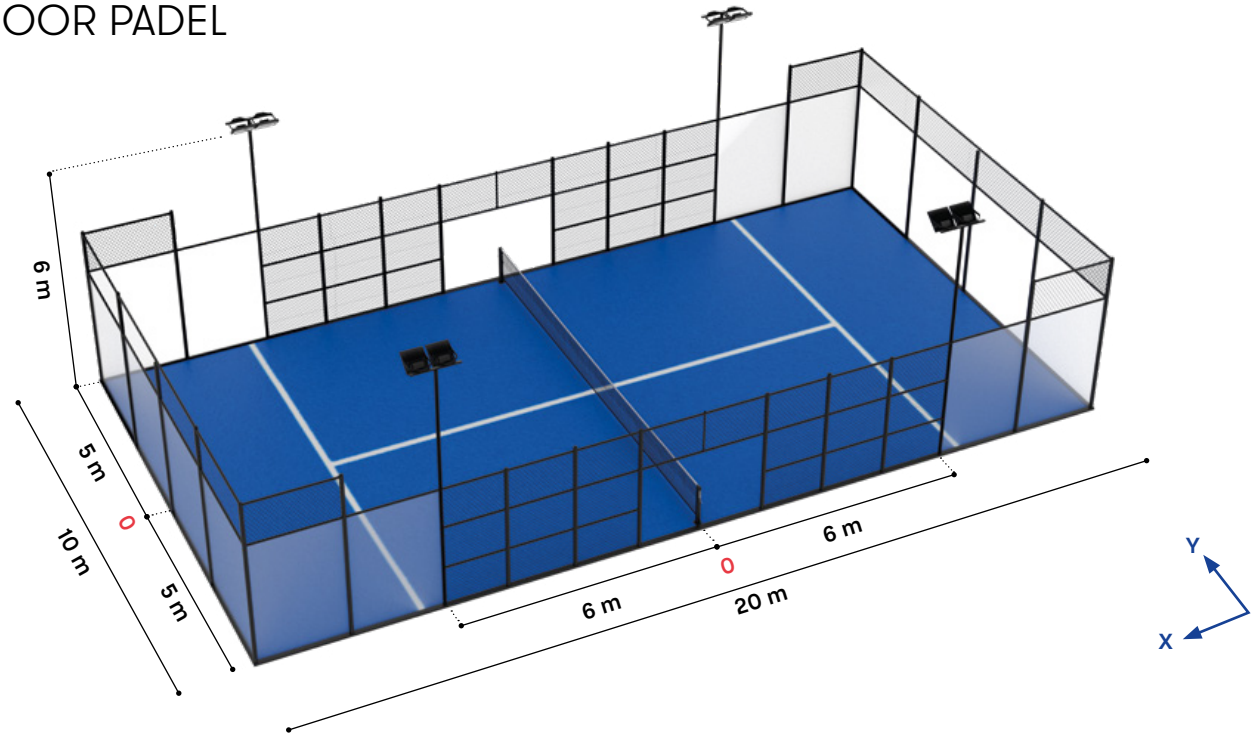
RG: Abbagliamento (si applica soltanto per altezze di montaggio al di sopra di 10 m. ove indicato)
Glare (applies only to installation heights above 10 m, where indicated)





PADEL

PADEL ESTERNO
OUTDOOR PADEL



Dimensioni campo | Court Dimensions [m]:	20 x 10 (PA)
Posizione | Position **X-Y [m]**:	6 - 5 (0)
Reticolo | Grid **[pt]**:	13 x 7 (PA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	300	200
Uniformità | Uniformity	0,70	0,70	0,60
Abbagliamento | Glare	50	50	55
CRI	70	60	60

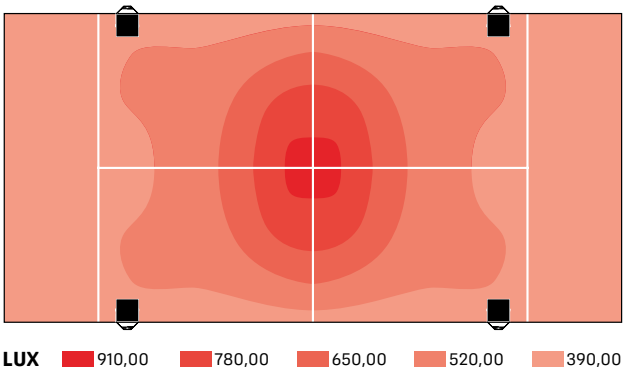
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
565	-	0,72	-	38	-





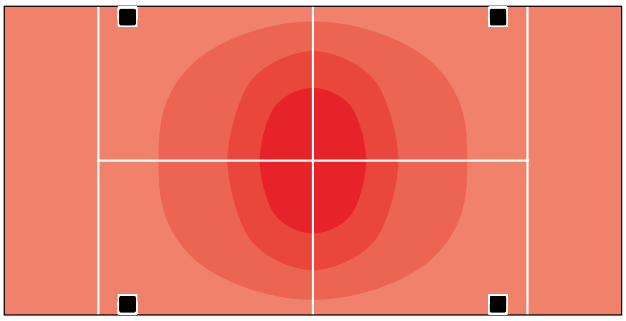
PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	228.196	1.500	6

CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
376	-	0,72	-	37	-





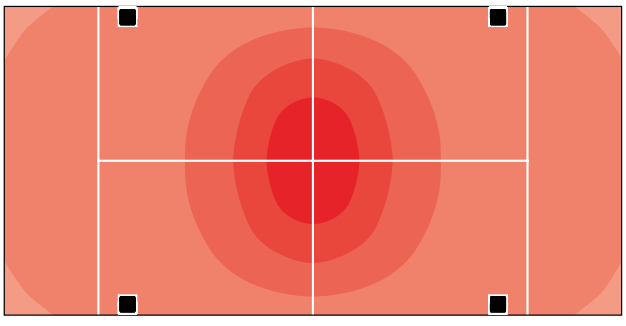
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16323GA15**	A1	250	38.041	5700	4	152.164	1.000	6

CL. III

report »

Risultati
Results

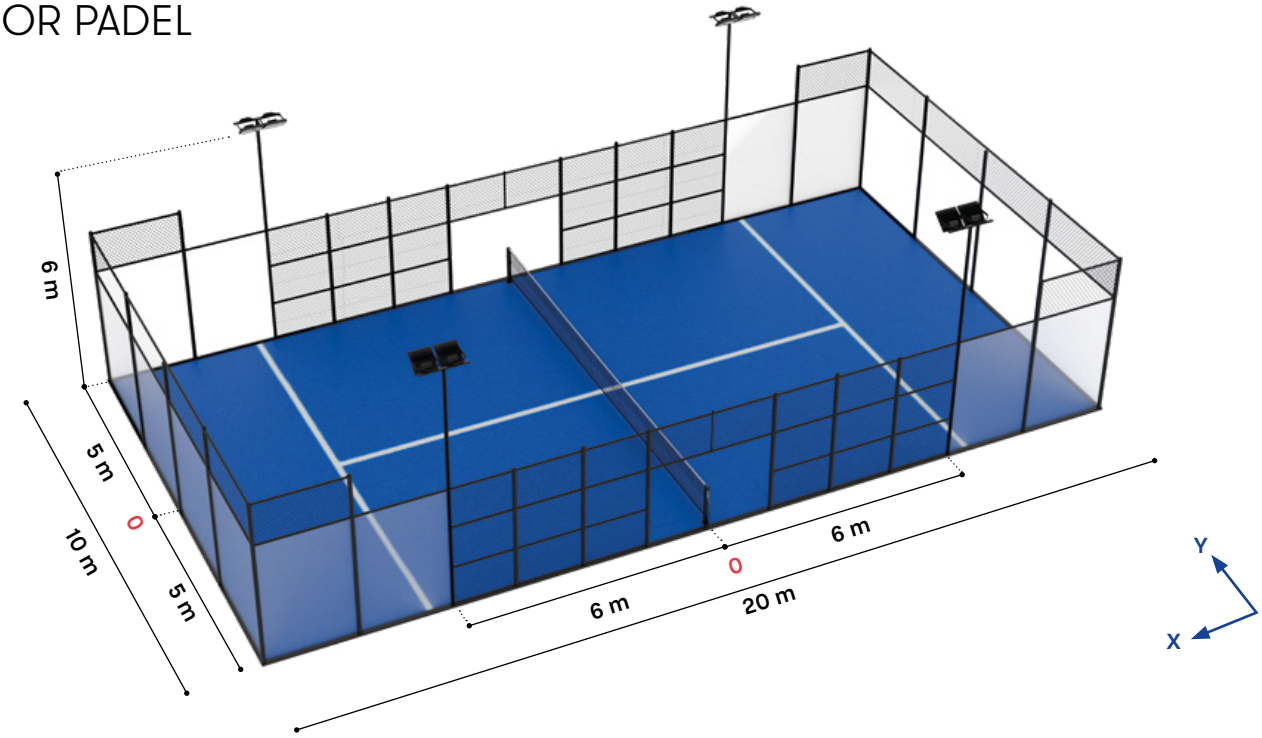
EM		U2		RG	
PA	TA	PA	TA	PA	TA
282	-	0,72	-	37	-





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16322GA15**	A1	185	28.524	5700	4	114.096	740	6

PADEL INTERNO
INDOOR PADEL



Dimensioni campo | Court Dimensions [m]:	20 x 10 (PA)
Posizione | Position **X-Y [m]**:	6 - 5 (0)
Reticolo | Grid **[pt]**:	13 x 7 (PA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	300
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

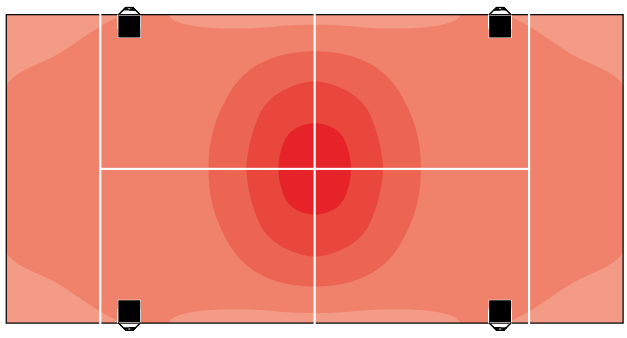
CL. I

report »

Risultati
Results

EM		U2		RG*	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
941	-	0,76	-	54	-

*** si applica soltanto per altezze di montaggio al di sopra di 10 m.**
only applies for mounting heights above 10 m.





PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4	342.404	2.240	6

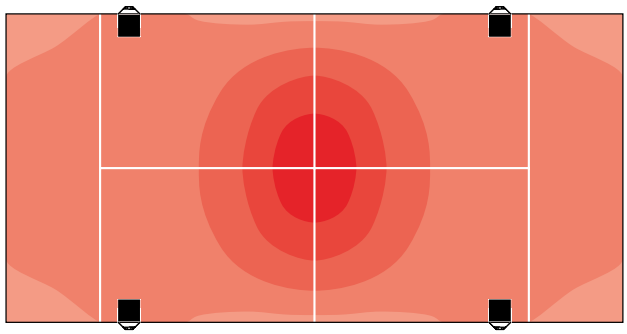
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
627	-	0,76	-	53	-

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	228.196	1.500	6

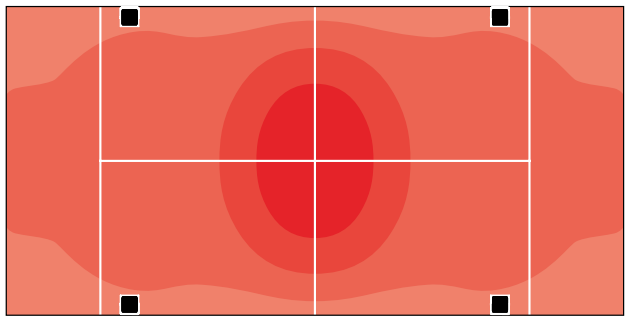
CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
313	-	0,76	-	53	-

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





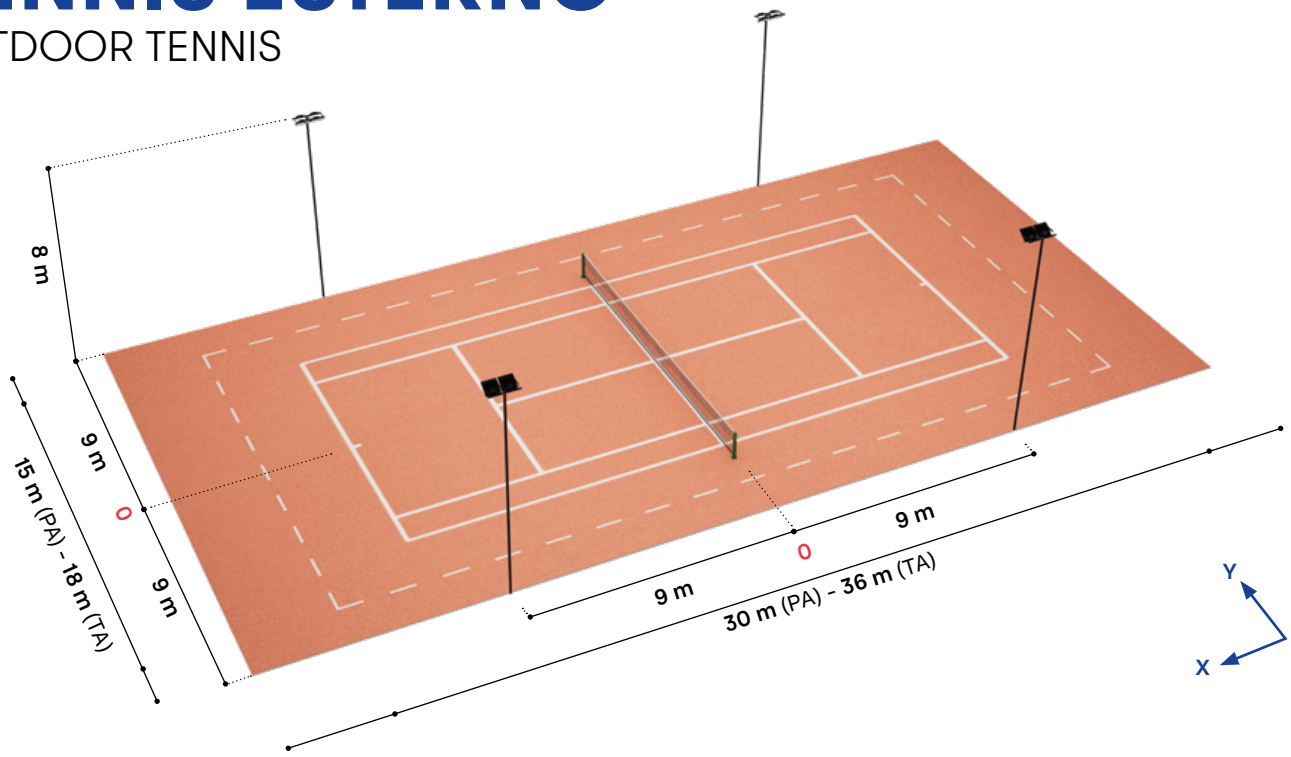
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16322GA15**	A1	185	28.524	5700	4	114.096	740	6





TENNIS

TENNIS ESTERNO
OUTDOOR TENNIS



Dim. campo | Court dim. **[m]**:	30 x 15 (PA) | 36 x 18 (TA)
Posizione | Position **X-Y [m]**:	9 - 9 (0)
Reticolo | Grid **[pt]**:	13 x 7 (PA) | 15 x 7 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	300	200
Uniformità | Uniformity	0,70	0,70	0,60
Abbagliamento | Glare	50	50	55
CRI	70	60	60

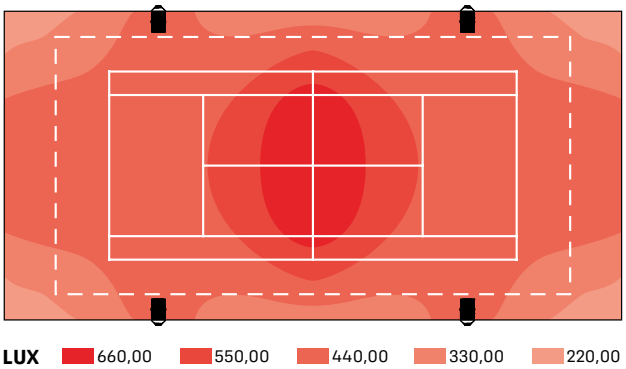
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
539	503	0,74	0,59	39	39





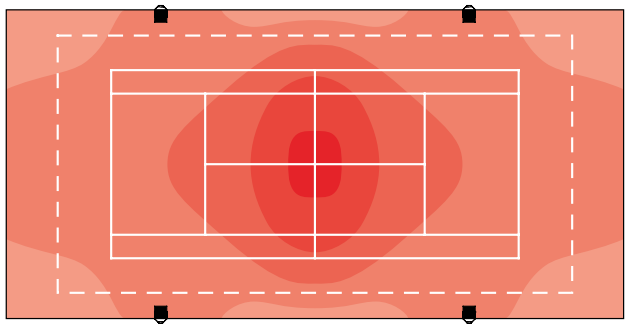
PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	513.612	3.360	8

CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
359	335	0,74	0,59	39	39





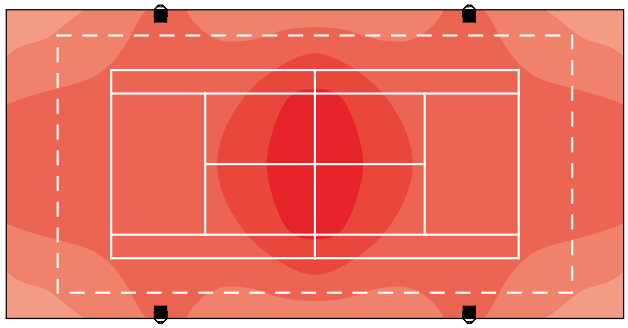
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4	342.404	2.240	8

CL. III

report »

Risultati
Results

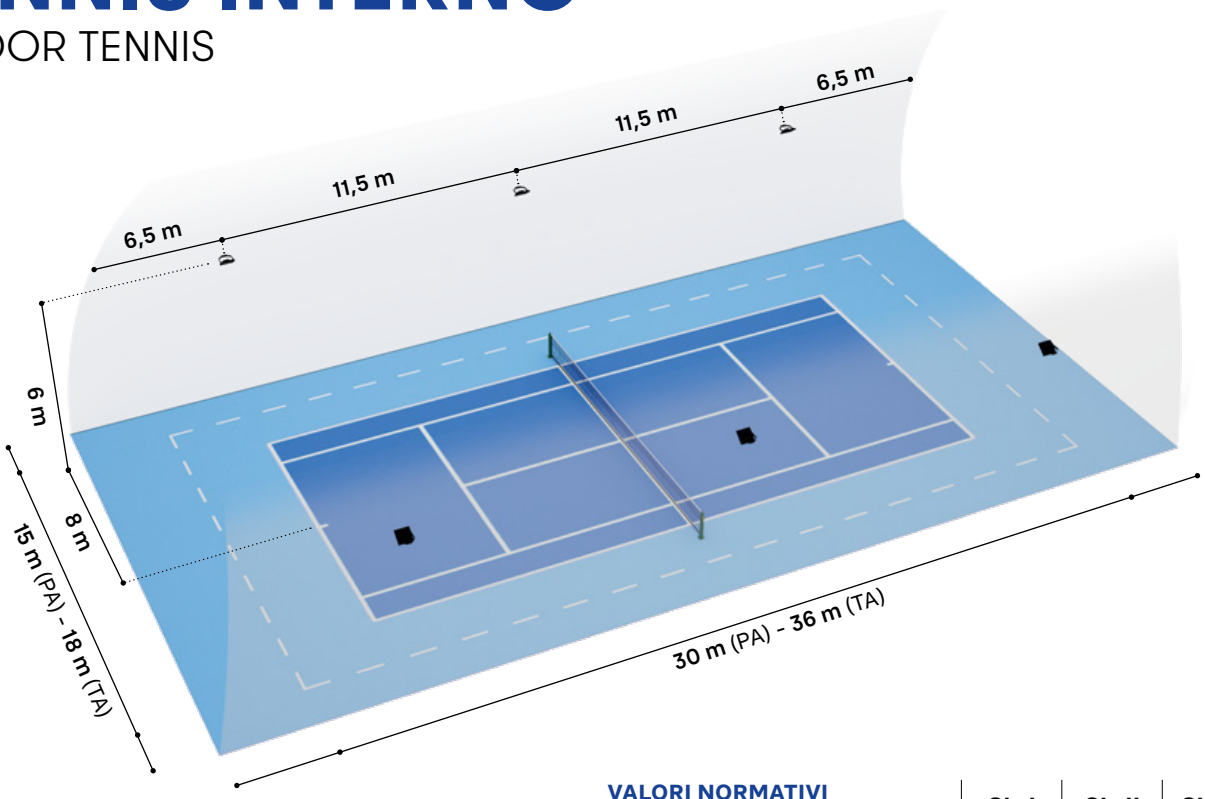
EM		U2		RG	
PA	TA	PA	TA	PA	TA
240	224	0,74	0,59	38	38





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	228.196	1.500	8

TENNIS INTERNO
INDOOR TENNIS



Dim. campo | Court dim. **[m]**:	30 x 15 (PA) | 36 x 18 (TA)
Posizione | Position **[m]**:	6,5 » 11,5 » 11,5 » 6,5
Reticolo | Grid **[pt]**:	13 x 7 (PA) | 15 x 7 pt. (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	300
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

CL. I

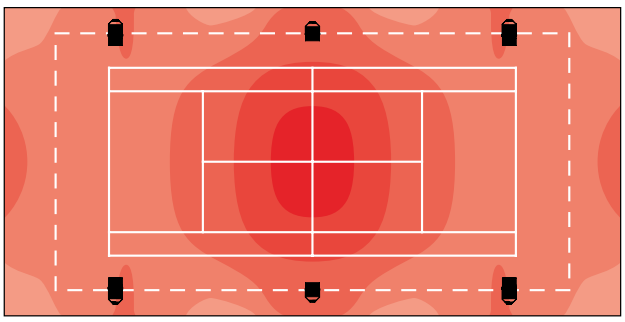
report »

Risultati
Results

EM		U2		RG*	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
862	815	0,84	0,66	41	41

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	684.780	4.480	6
Versus 3	**LL16332GA35**	A3	560	85.584	5700	2			

CL. II

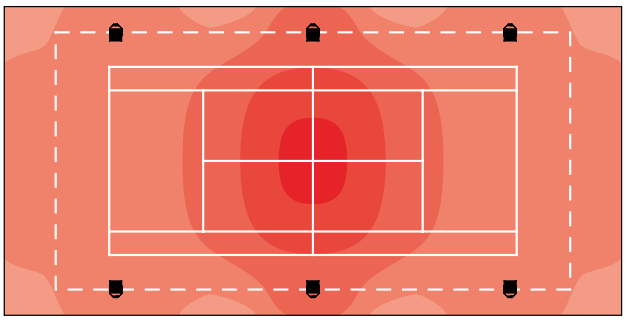
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
574	543	0,84	0,66	41	41

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





LUX 770,00 660,00 550,00 440,00 330,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16331GA35**	A3	375	57.038	5700	2	456.480	2.990	6
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4			

CL. III

report »

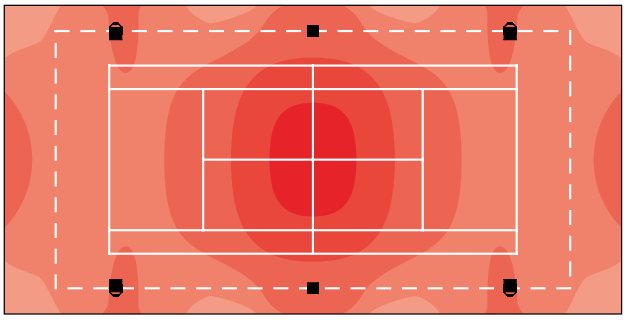
Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
383	362	0,84	0,66	41	41

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.







LUX 490,00 420,00 350,00 280,00 210,00

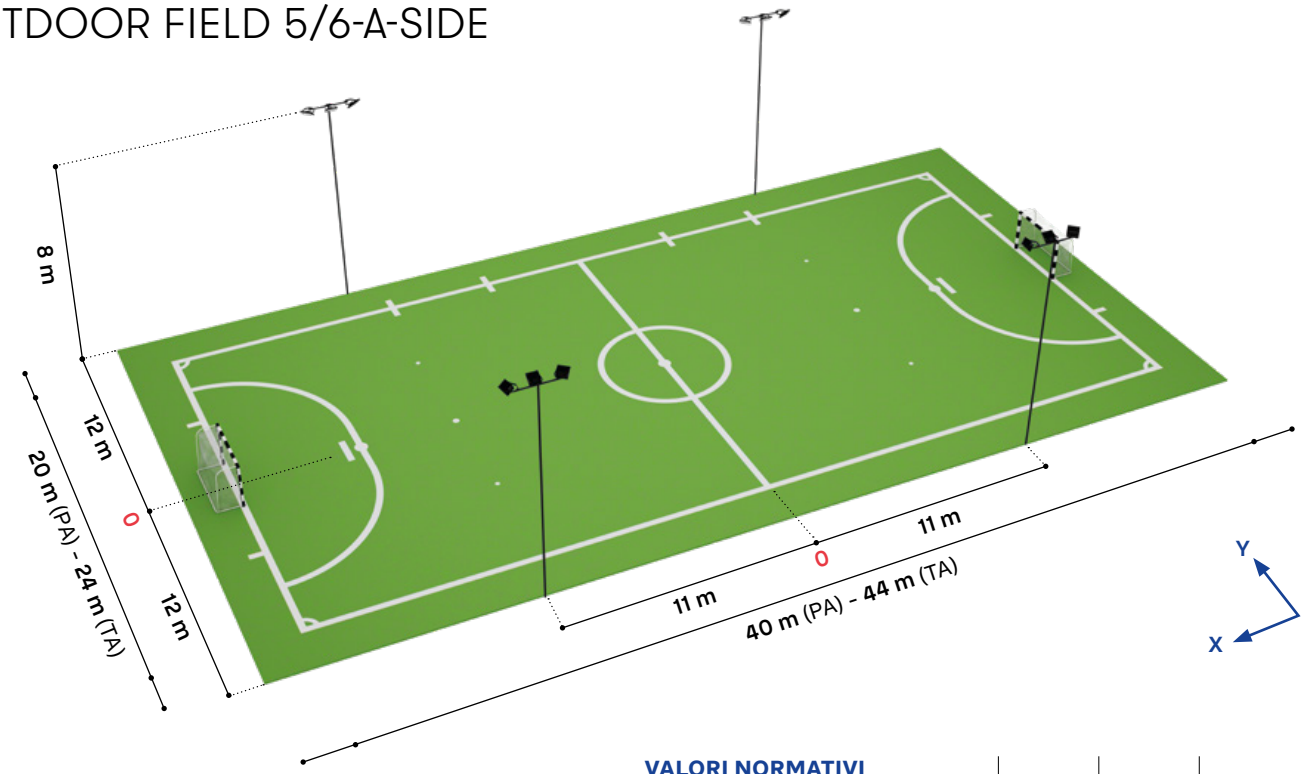
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	304.262	2.000	6
Versus 2	**LL16323GA35**	A3	250	38.033	5700	2			





CALCIO
FOOTBALL

CALCIO A 5/6 ESTERNO
OUTDOOR FIELD 5/6-A-SIDE



Dim. campo | Court dim. **[m]**:	40 x 20 (PA) | 44 x 24 (TA)
Posizione | Position **X-Y [m]**:	11 - 12 (0)
Reticolo | Grid **[pt]**:	13 x 9 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	200	75
Uniformità | Uniformity	0,70	0,60	0,50
Abbagliamento | Glare	50	50	50
CRI	70	60	60

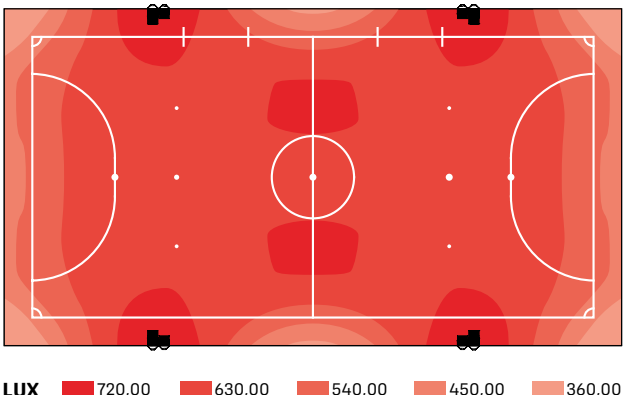
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
589	562	0,90	0.54	42	42





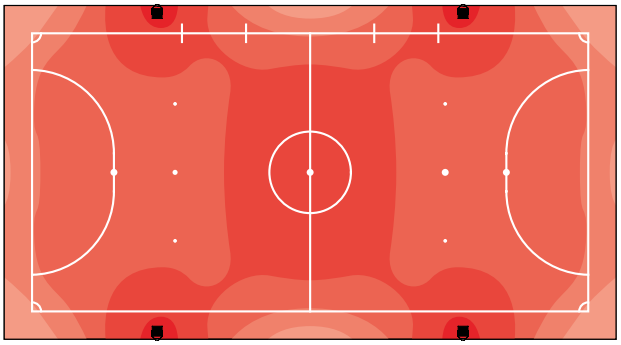
PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PROD. m. PROD. HEIGHT m.**
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	856.016	5.600	8
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4			

CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
236	225	0,90	0.54	42	42





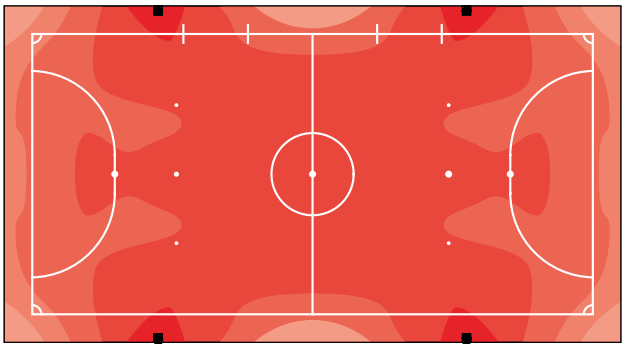
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4	342.404	2.240	8

CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
104	100	0,90	0.54	41	41

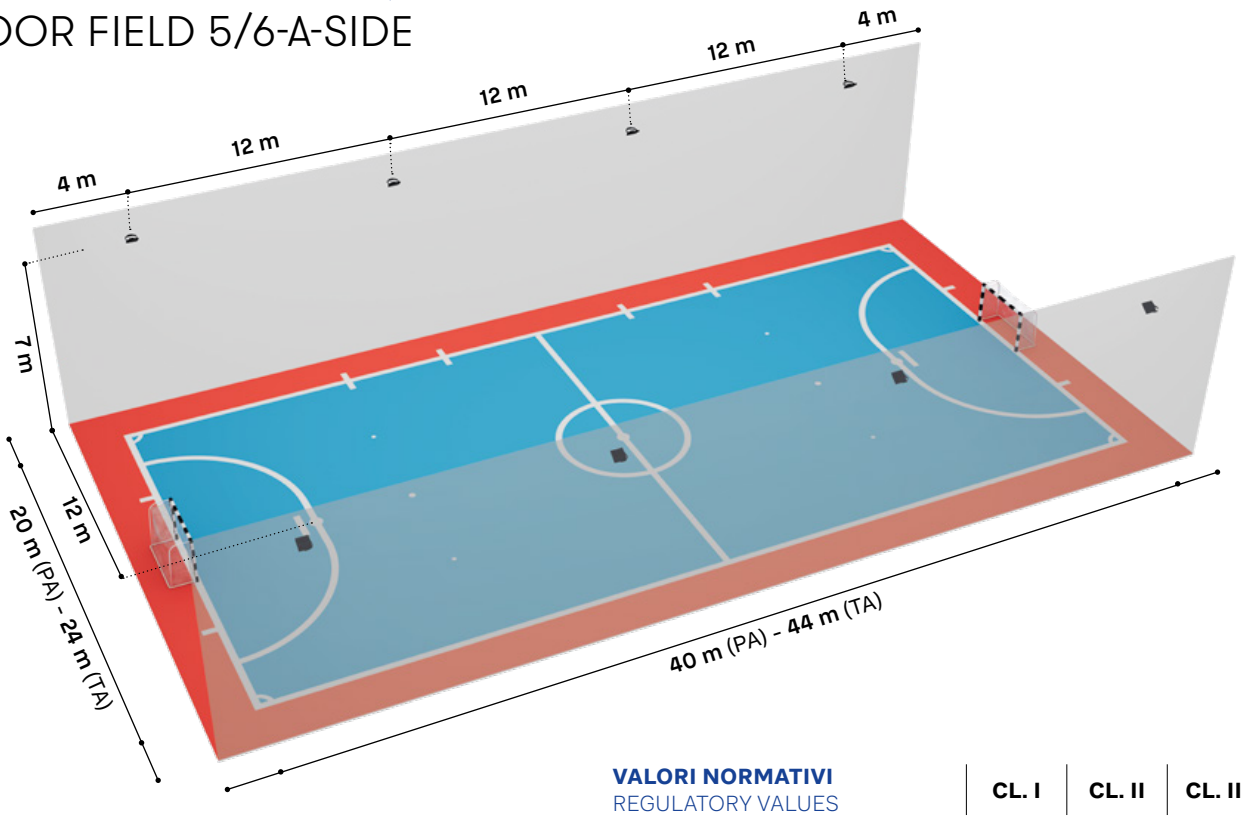




PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16323GA15**	A1	250	38.041	5700	4	152.164	1.000	8

CALCIO A 5/6 INTERNO

INDOOR FIELD 5/6-A-SIDE



Dim. campo | Court dim. **[m]**:	40 x 20 (PA) | 44 x 24 (TA)
Posizione | Position **[m]**:	4 » 12 » 12 » 12 » 4
Reticolo | Grid **[pt]**:	13 x 9 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	200
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

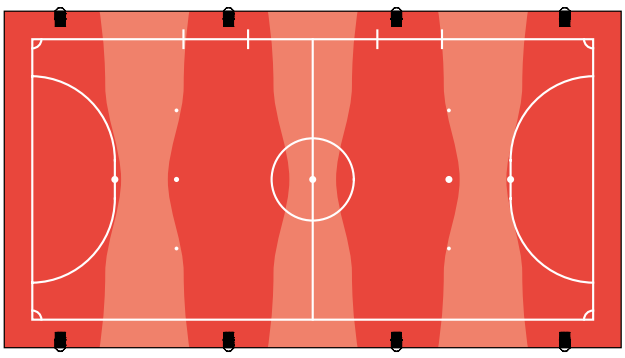
CL. I

report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
852	840	0,78	0,69	39	39

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 4	**LL16341GA35**	A3	840	128.378	5700	8	1.027.024	6.720	7

CL. II

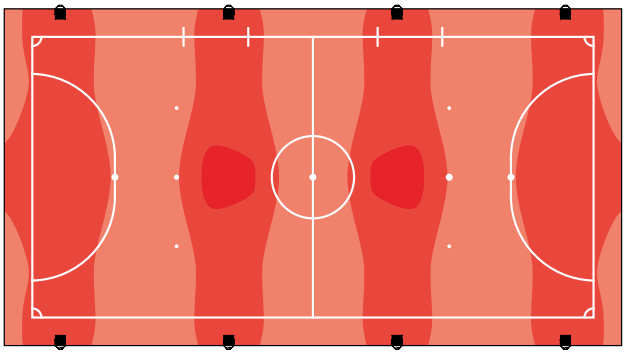
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
568	560	0,78	0,69	39	39

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





LUX 630,00 560,00 490,00 420,00 350,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16332GA35**	A3	560	85.584	5700	8	684.672	4.480	7

CL. III

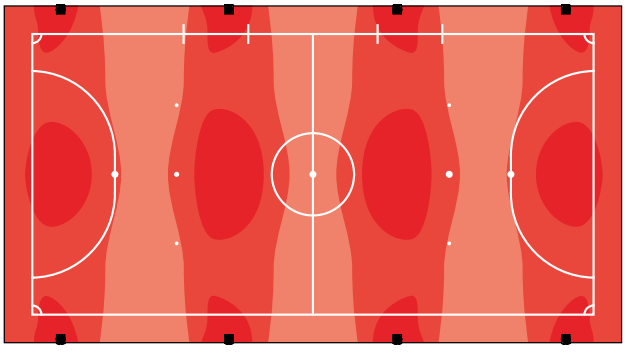
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
252	249	0.78	0.69	38	38

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.



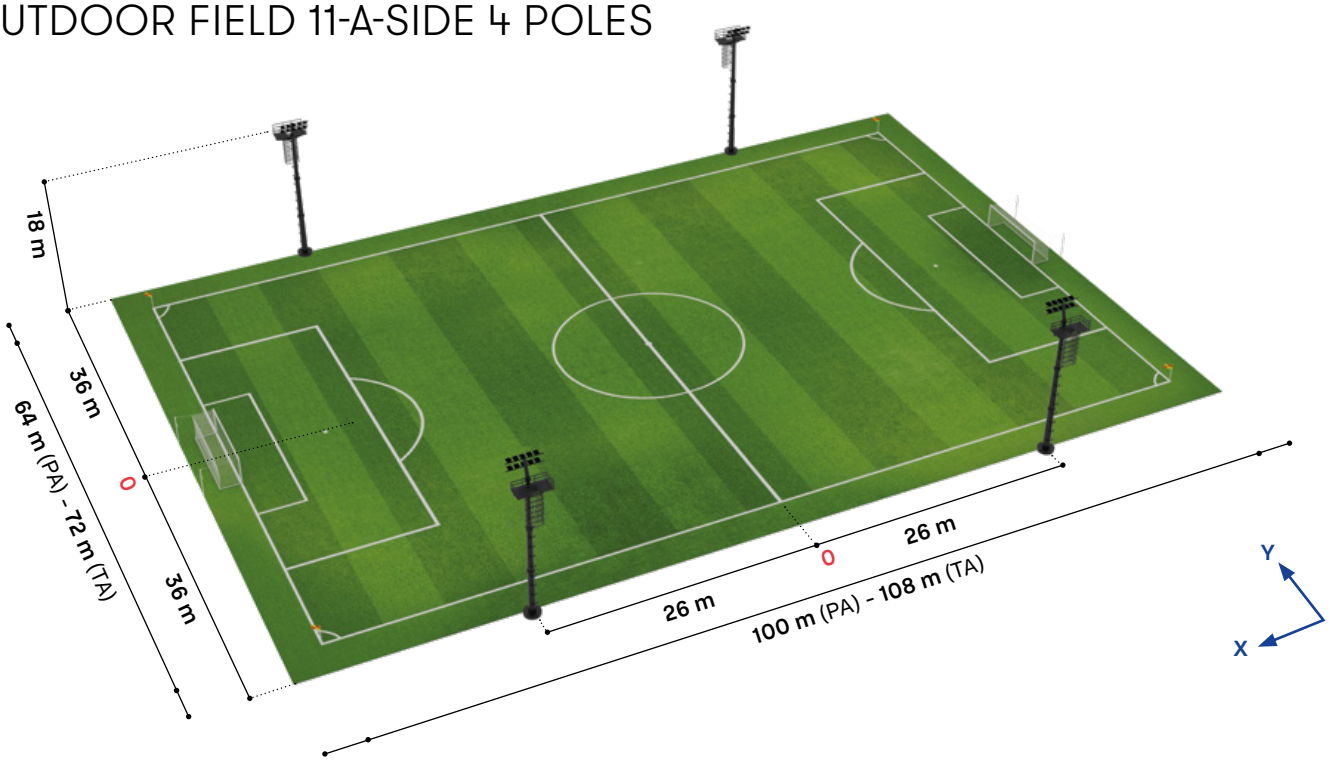


LUX 270,00 240,00 210,00 180,00 150,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 2	**LL16323GA35**	A3	250	38.033	5700	8	304.264	2.000	7

CALCIO A 11 ESTERNO 4 PALI

OUTDOOR FIELD 11-A-SIDE 4 POLES



Dim. campo | Court dim. **[m]**:	100 x 64 (PA) | 108 x 72 (TA)
Posizione | Position **X-Y [m]**:	26 - 36 (0)
Reticolo | Grid **[pt]**:	19 x 13 (PA) | 21 x 13 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	200	75
Uniformità | Uniformity	0,70	0,60	0,50
Abbagliamento | Glare	55	55	55
CRI	70	60	60

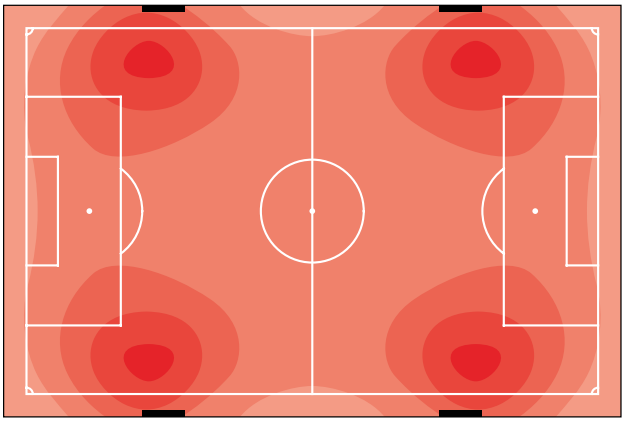
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
528	507	0,75	0,51	45	45





LUX 780,00 650,00 520,00 390,00 260,00

PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA45**	A4	840	112.871	5700	56	6.320.798	47.040	18

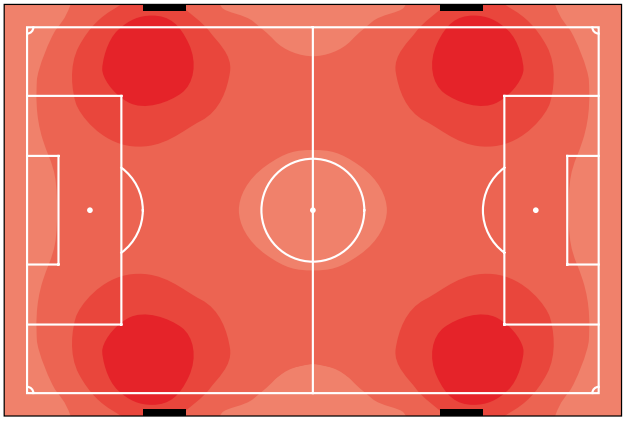
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
228	219	0,73	0,50	43	43





LUX 300,00 240,00 180,00 120,00 60,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	24	2.708.914	20.160	18

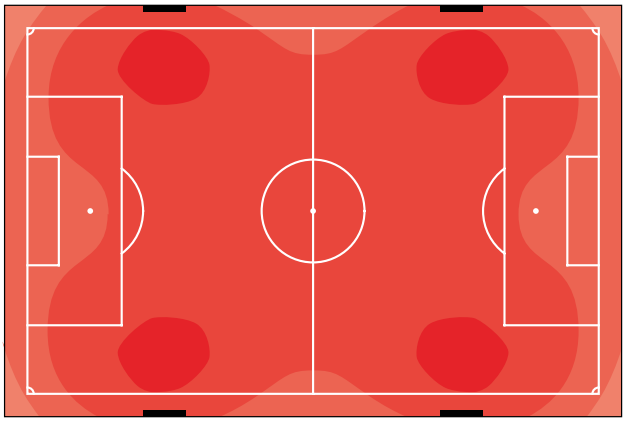
CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
79	74	0,63	0,43	41	41



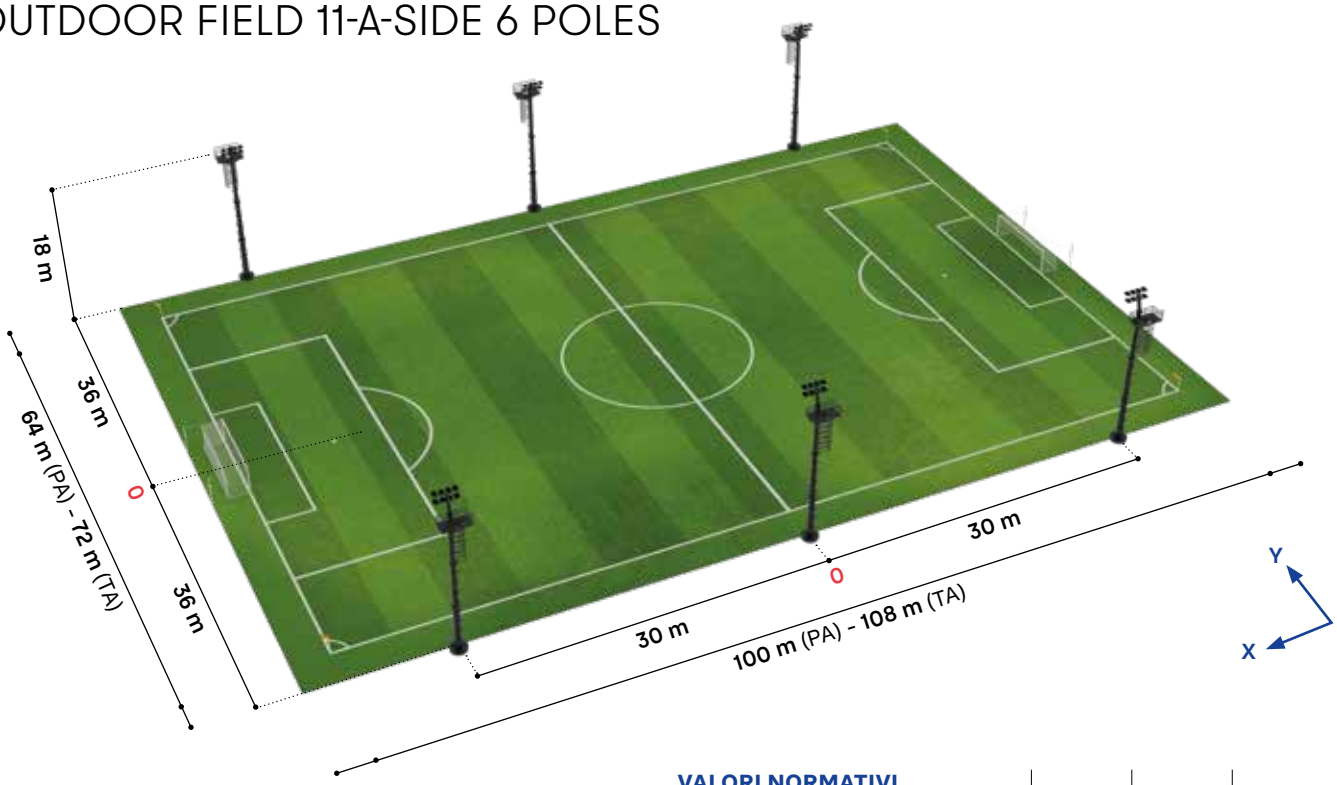


LUX 100,00 80,00 60,00 40,00 20,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	8	902.971	6.720	18

CALCIO A 11 ESTERNO 6 PALI

OUTDOOR FIELD 11-A-SIDE 6 POLES



Dim. campo | Court dim. **[m]**:	100 x 64 (PA) | 108 x 72 (TA)
Posizione | Position **X-Y [m]**:	30 - 36 (0)
Reticolo | Grid **[pt]**:	19 x 13 (PA) | 21 x 13 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	6

(PA) = Play Area | (TA) = Total Area

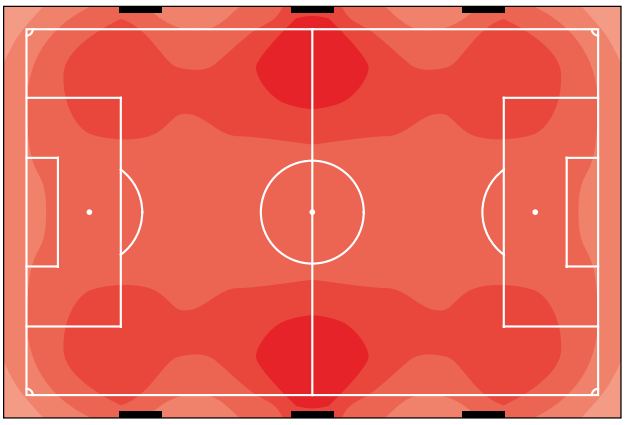
VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	200	75
Uniformità | Uniformity	0,70	0,60	0,50
Abbagliamento | Glare	55	55	55
CRI	70	60	60

CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
563	535	0,73	0,44	43	43



LUX 840,00 | 700,00 | 560,00 | 420,00 | 280,00



PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA45**	A4	840	112.871	5700	56	6.320.798	47.040	18

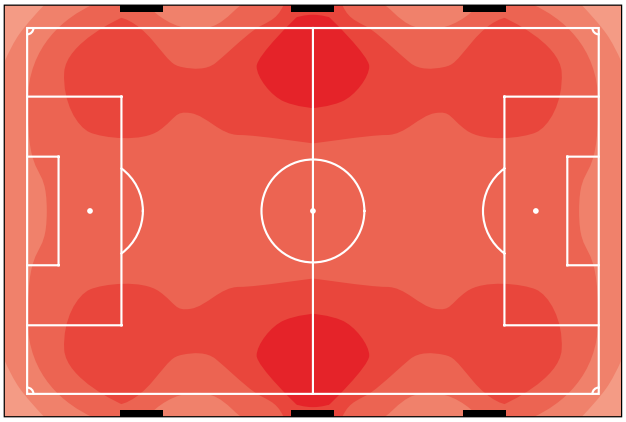
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
241	229	0,73	0,44	42	42





LUX 360,00 300,00 240,00 180,00 120,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	24	2.708.914	20.160	18

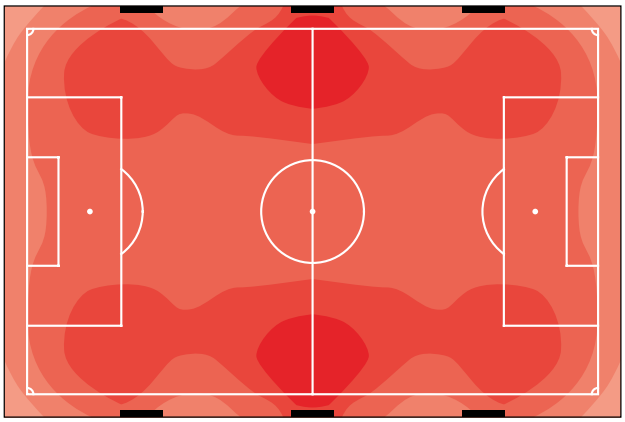
CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
80	76	0,73	0,45	41	41



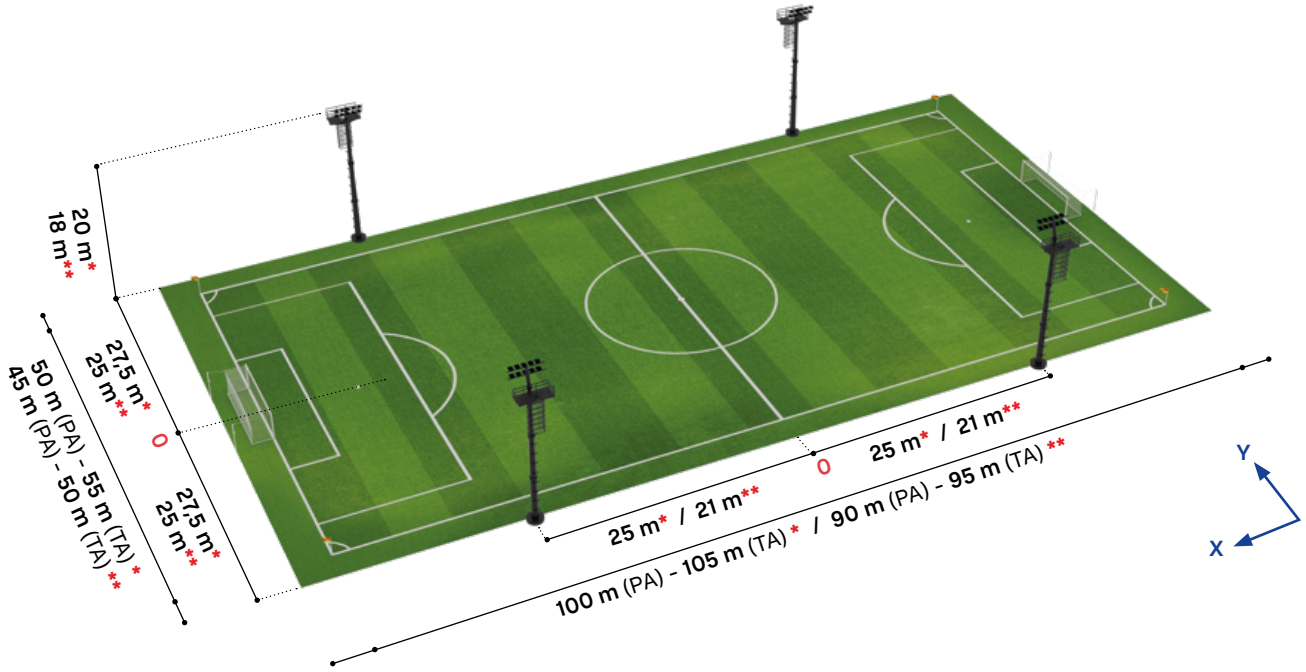


LUX 120,00 100,00 80,00 60,00 40,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	8	902.971	6.720	18

CALCIO A 11 ESTERNO DILETTANTI 4 PALI

OUTDOOR FIELD AMATEUR 11-A-SIDE 4 POLES



CLASSE I - II *

Dim. campo | Court dim. **[m]**:	100 x 50 (PA) | 105 x 55 (TA)
Posizione | Position **X-Y [m]**:	25 -27,5 (0)
Reticolo | Grid **[pt]**:	19 x 9 (PA) | 21 x 11 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

CLASSE III **

Dim. campo | Court dim. **[m]**:	90 x 45 (PA) | 95 x 50 (TA)
Posizione | Position **X-Y [m]**:	21 -25 (0)
Reticolo | Grid **[pt]**:	19 x 9 (PA) | 19 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI
REGULATORY VALUES

	CL. I	CL. II	CL. III
Illuminamento | Illuminance **(LX)**	300	150	100
Uniformità | Uniformity	0,70	0,60	0,60
Abbagliamento | Glare	50	50	55
CRI	/	/	/

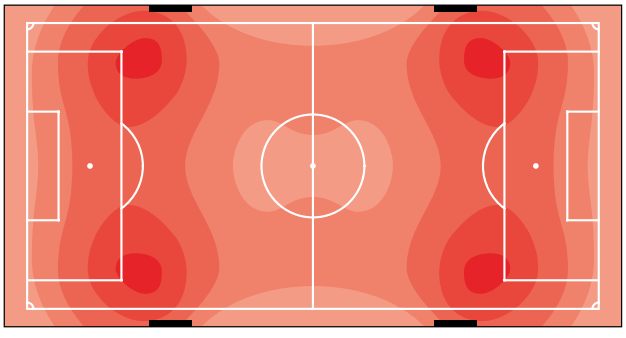
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
356	348	0,81	0,68	38	38





LUX 450,00 400,00 350,00 300,00 250,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	32	3.611.885	26.880	20

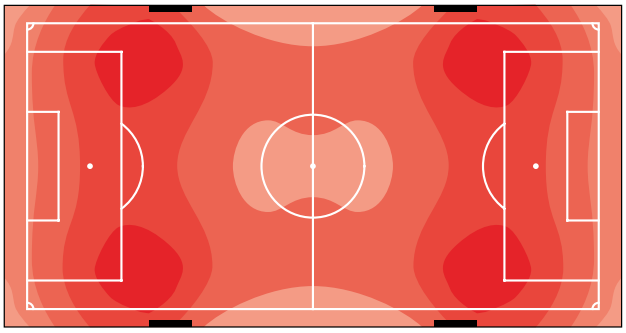
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
178	174	0,66	0,68	37	37





LUX 210,00 180,00 150,00 120,00 90,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	LL16341GA45	A4	840	112.871	5700	16	1.805.942	13.440	20

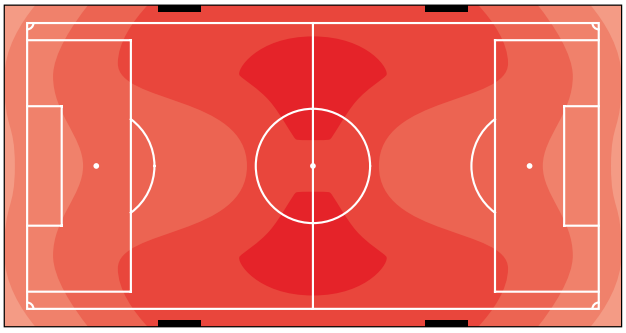
CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
120	116	0,60	0,49	36	36



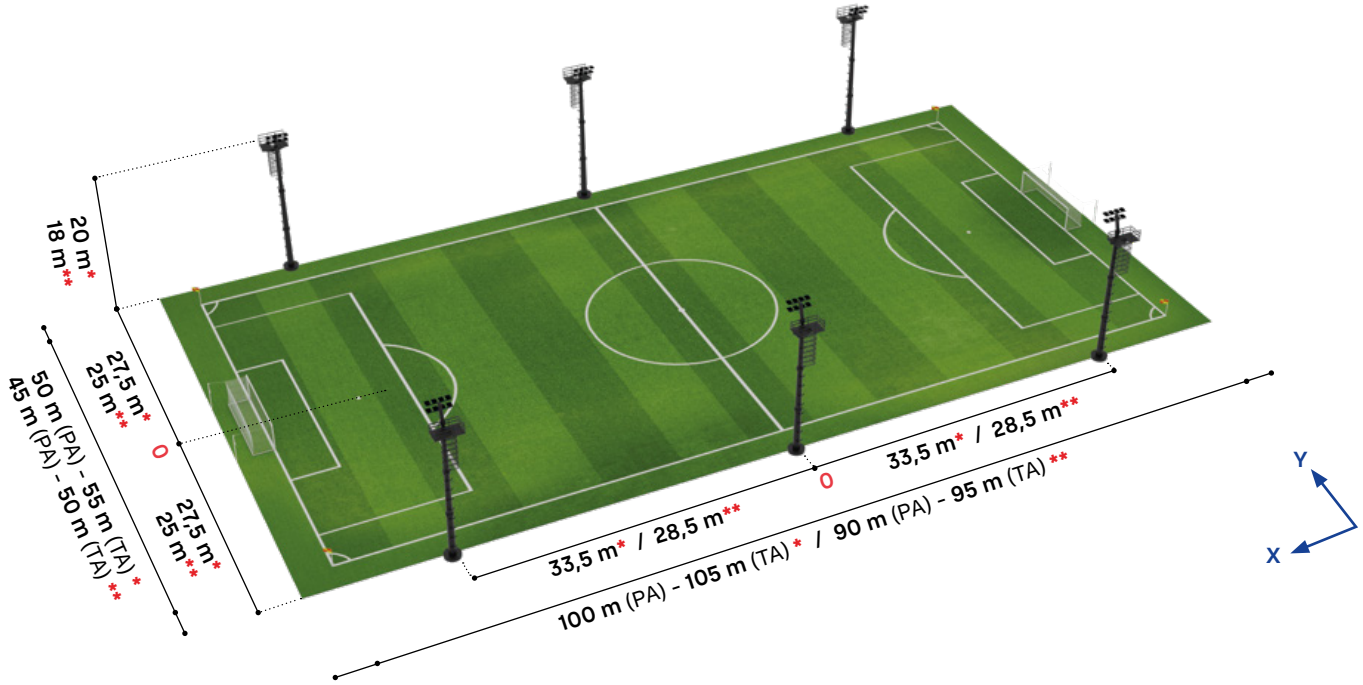


LUX 150,00 120,00 90,00 60,00 30,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	LL16341GA45	A4	840	112.871	5700	8	902.971	6.720	18

CALCIO A 11 ESTERNO DILETTANTI 6 PALI

OUTDOOR FIELD AMATEUR 11-A-SIDE 6 POLES



CLASSE I - II *

Dim. campo | Court dim. **[m]**:	100 x 50 (PA) | 105 x 55 (TA)
Posizione | Position **X-Y [m]**:	33,5 - 27,5 (0)
Reticolo | Grid **[pt]**:	19 x 9 (PA) | 21 x 11 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	6

CLASSE III **

Dim. campo | Court dim. **[m]**:	90 x 45 (PA) | 95 x 50 (TA)
Posizione | Position **X-Y [m]**:	28,5 - 25 (0)
Reticolo | Grid **[pt]**:	19 x 9 (PA) | 19 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	6

(PA) = Play Area | (TA) = Total Area

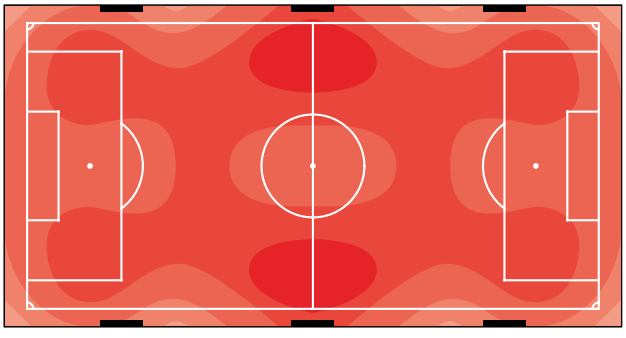
VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	300	150	100
Uniformità | Uniformity	0,70	0,60	0,60
Abbagliamento | Glare	50	50	55
CRI	/	/	/

CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
371	361	0,81	0,66	37	37



LUX 420,00 | 360,00 | 300,00 | 240,00 | 180,00



PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA45**	A4	840	112.871	5700	32	3.611.885	26.880	20

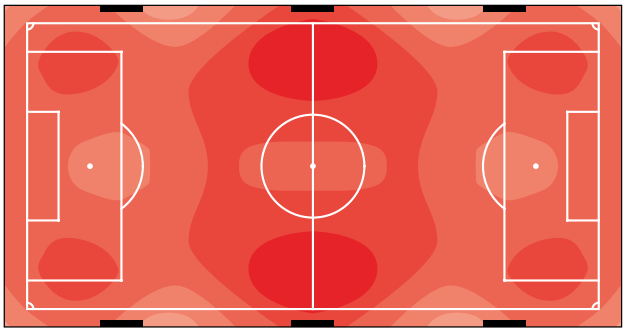
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
179	175	0,75	0,60	36	36





LUX 240,00 210,00 180,00 150,00 120,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	16	1.805.942	13.440	20

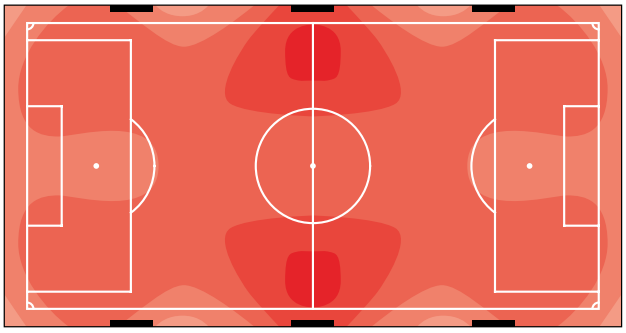
CL. III

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
113	110	0,77	0,66	36	36





LUX 140,00 120,00 100,00 80,00 60,00

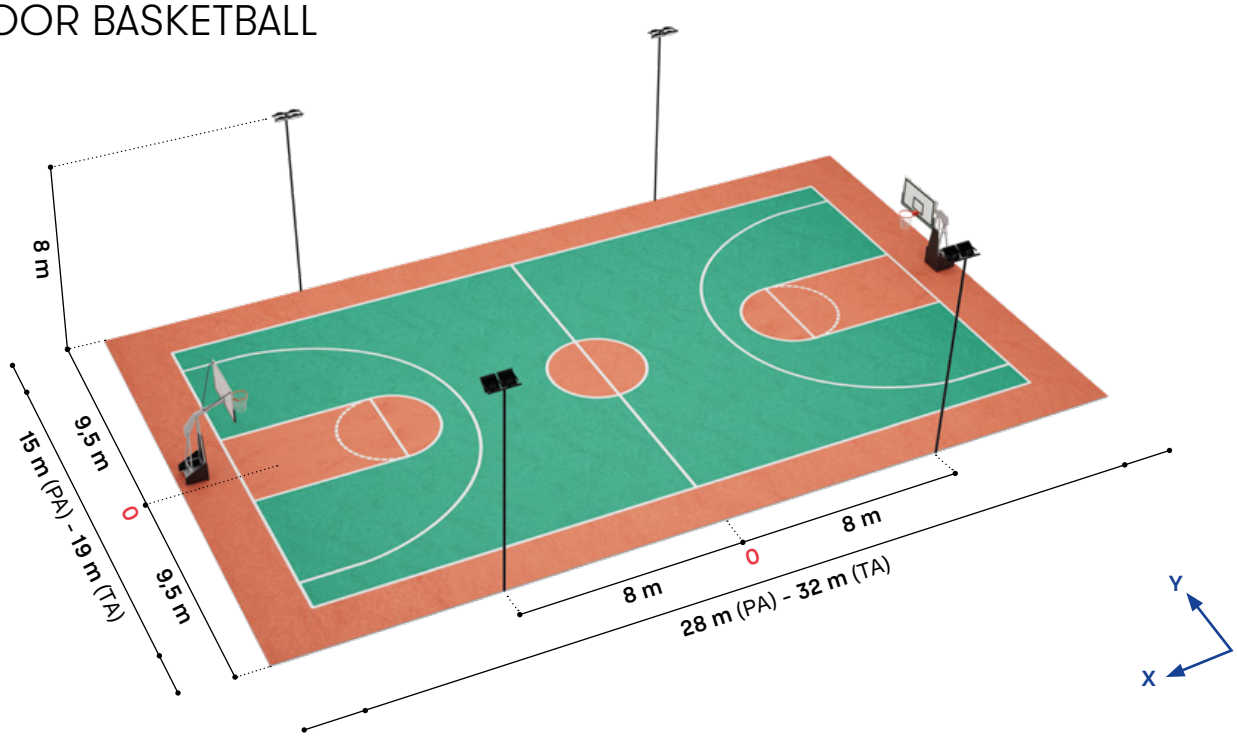
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA45**	A4	840	112.871	5700	8	902.971	6.720	18





PALLACANESTRO
BASKETBALL

PALLACANESTRO ESTERNO
OUTDOOR BASKETBALL



Dim. campo | Court dim. **[m]**:	28 x 15 (PA) | 32 x 19 (TA)
Posizione | Position **X-Y [m]**:	8 - 9,5 (0)
Reticolo | Grid **[pt]**:	13 x 7 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

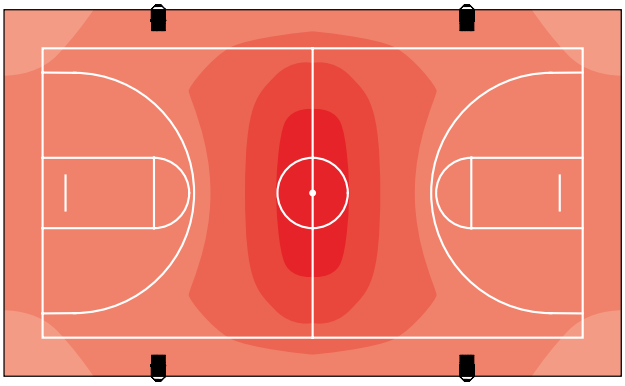
VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	200	75
Uniformità | Uniformity	0,70	0,60	0,50
Abbagliamento | Glare	55	55	55
CRI	70	60	60

CL. I

report »

Risultati
Results

EM		U2		RG	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
545	512	0,75	0,59	38	38





PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	513.612	3.360	8

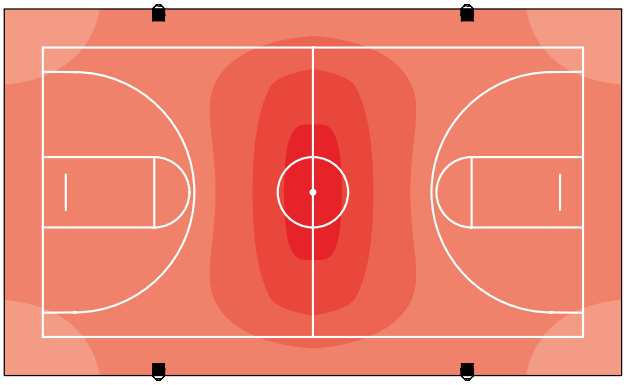
CL. II

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
242	227	0,75	0,59	37	37





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	228.196	1.500	8

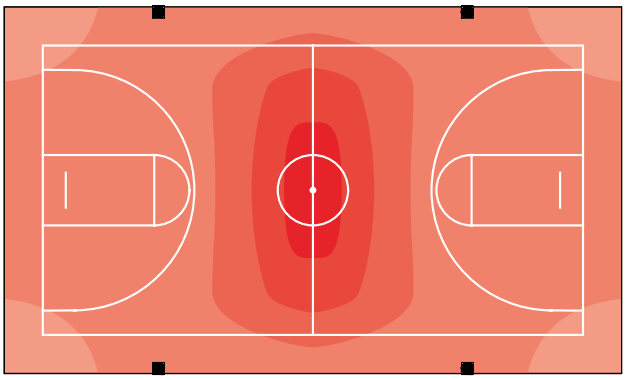
CL. III

report »

Risultati
Results

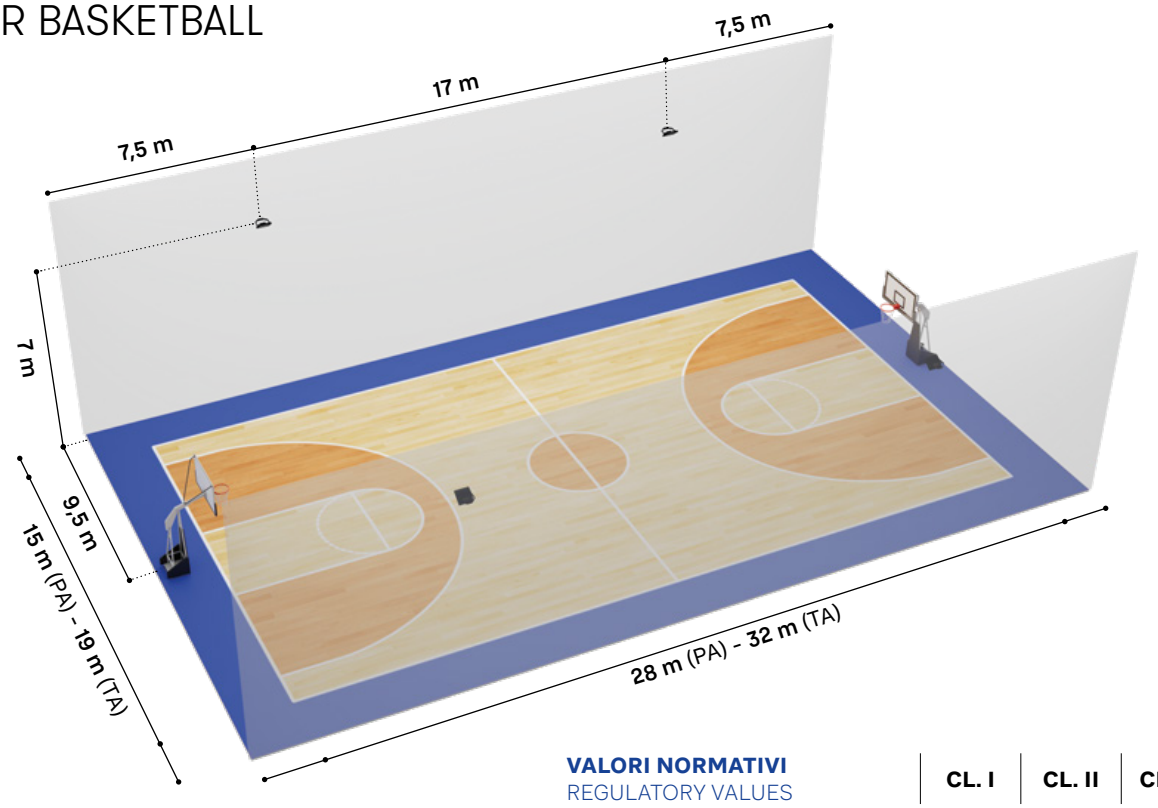
EM		U2		RG	
PA	TA	PA	TA	PA	TA
121	113	0,75	0,59	36	36





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16322GA15**	A1	185	28.524	5700	4	114.096	740	8

PALLACANESTRO INTERNO
INDOOR BASKETBALL



Dim. campo | Court dim. **[m]**:	28 x 15 (PA) | 32 x 19 (TA)
Posizione | Position **[m]**:	7,5 » 17 » 7,5
Reticolo | Grid **[pt]**:	13 x 7 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	200
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

CL. I

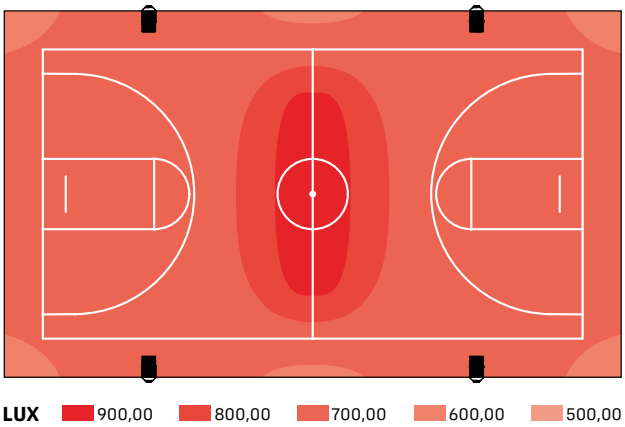
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
763	740	0,87	0,75	47	47

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	513.612	3.360	7

CL. II

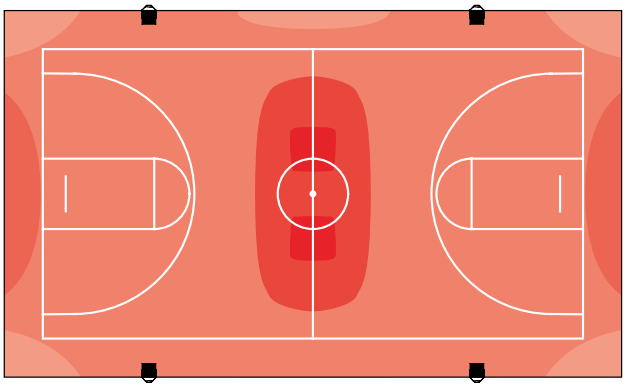
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
509	493	0,87	0,75	32	32

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





LUX 630,00 560,00 490,00 420,00 350,00

PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	LL16332GA15	A1	560	85.601	5700	4	342.404	2.240	7

CL. III

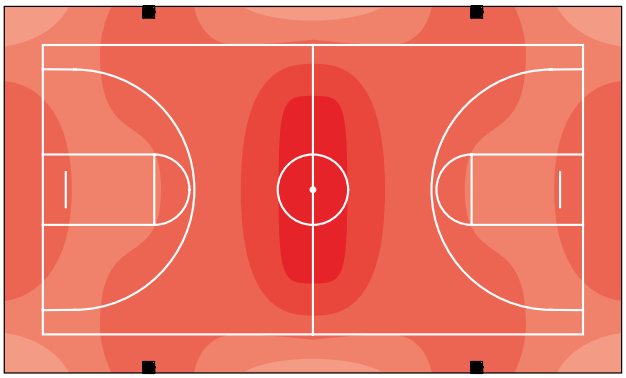
report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
226	219	0,87	0,75	31	31

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





LUX 270,00 240,00 210,00 180,00 150,00

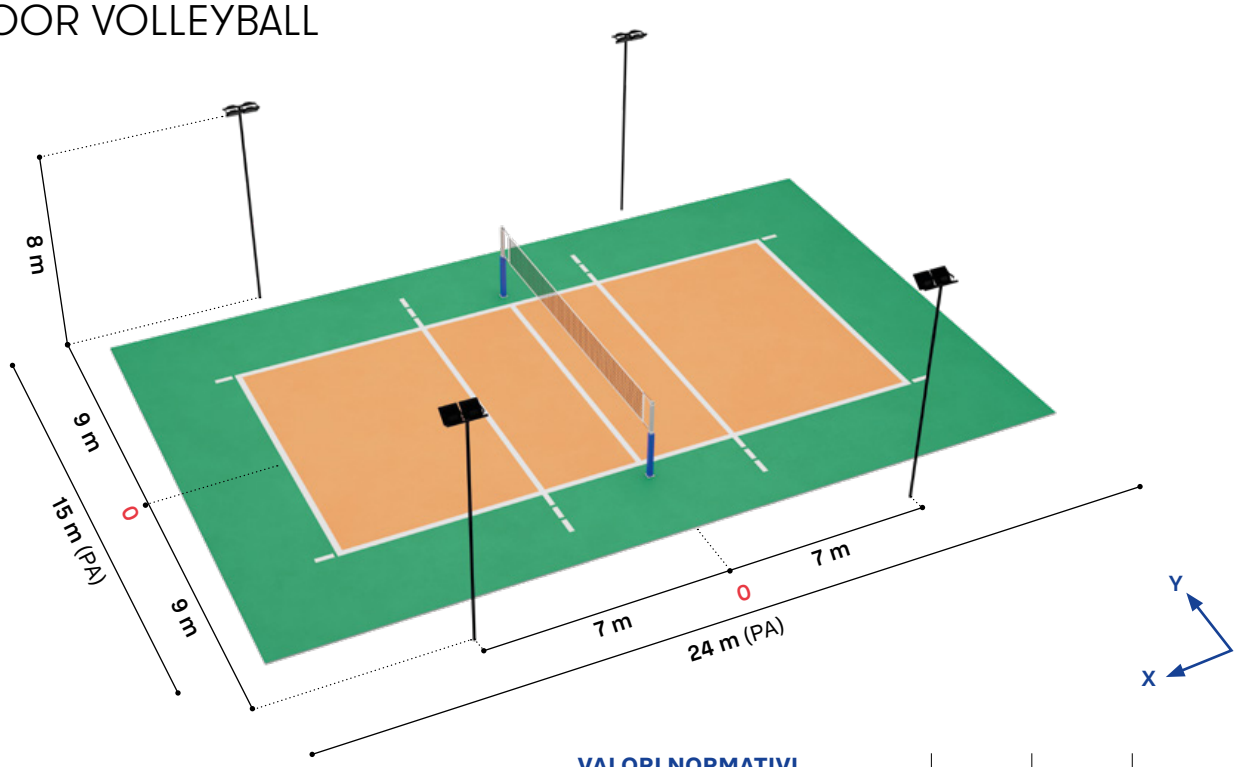
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	LL16323GA15	A1	250	38.041	5700	4	152.164	1.000	7





PALLAVOLO
VOLLEYBALL

PALLAVOLO ESTERNO
OUTDOOR VOLLEYBALL



Dim. campo | Court dim. **[m]**:	24x15 m (PA)
Posizione | Position **[m]**:	7 x 9 (0)
Reticolo | Grid **[pt]**:	13 x 9
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	4

(PA) = Play Area | (TA) = Total Area

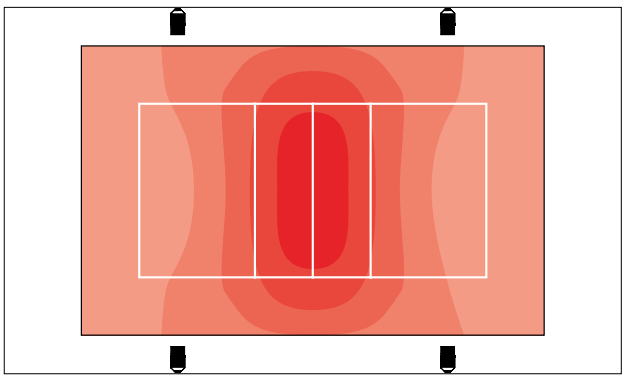
VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	500	200	75
Uniformità | Uniformity	0,70	0,60	0,50
Abbagliamento | Glare	55	55	55
CRI	70	70	70

CL. I

report »

Risultati
Results

EM		U2		RG*	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
624	-	0,71	-	38	-





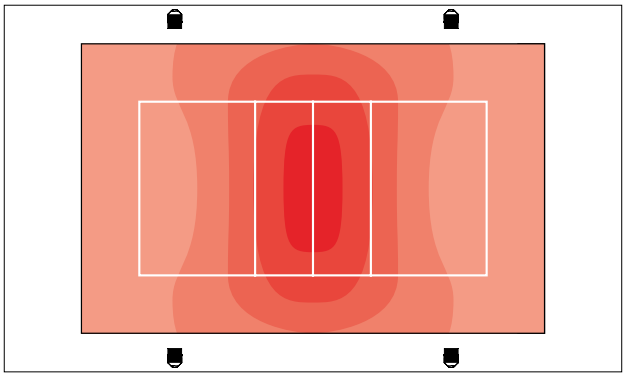
PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PALO m. POLE HEIGHT m.**
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	513.612	3.360	8

CL. II

report »

Risultati
Results

EM		U2		RG*	
PA	TA	PA	TA	PA	TA
277	-	0,71	-	37	-





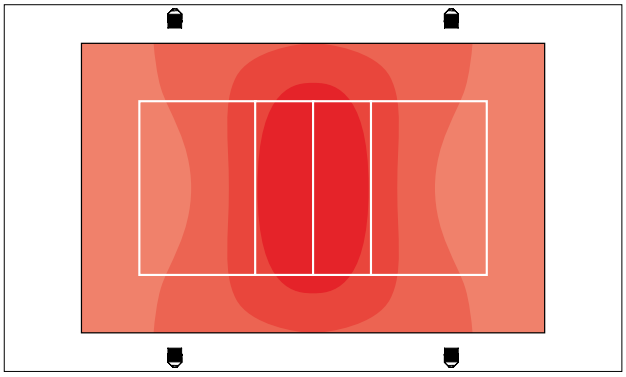
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 3	**LL16331GA15**	A1	375	57.049	5700	4	228.196	1.500	8

CL. III

report »

Risultati
Results

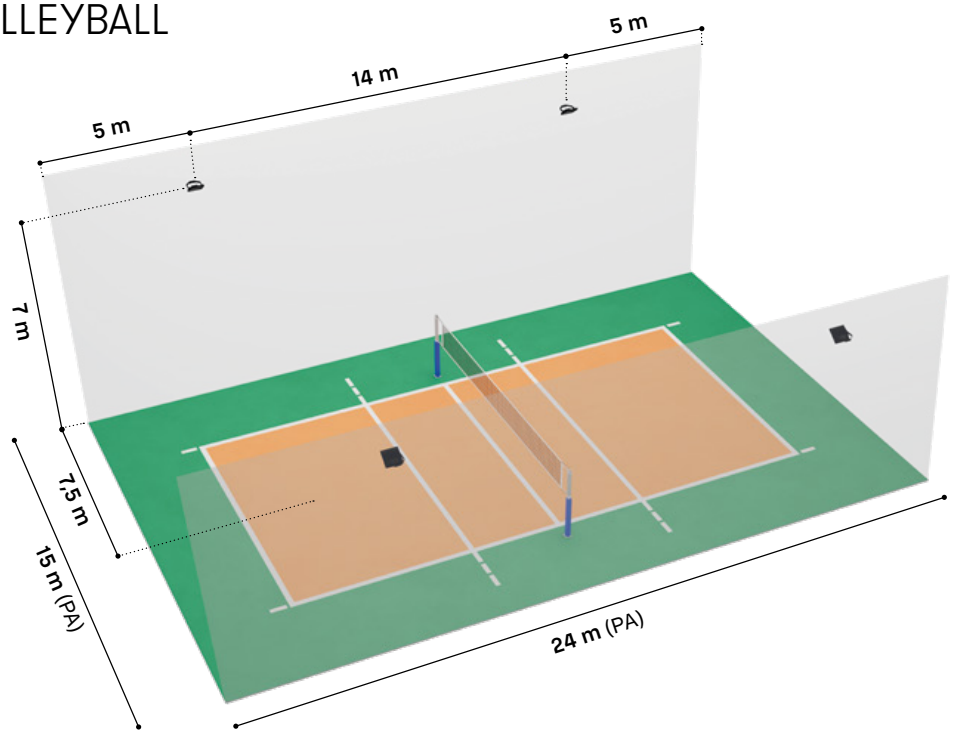
EM		U2		RG*	
PA	TA	PA	TA	PA	TA
139	-	0,71	-	36	-





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PALO m. POLE HEIGHT m.
Versus 2	**LL16322GA15**	A1	185	28.524	5700	4	114.096	740	8

PALLAVOLO INTERNO
INDOOR VOLLEYBALL



Dim. campo | Court dim. **[m]**:	24x15 m (PA)
Posizione | Position **[m]**:	5 » 14 » 5
Reticolo | Grid **[pt]**:	13 x 9
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	200
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

CL. I

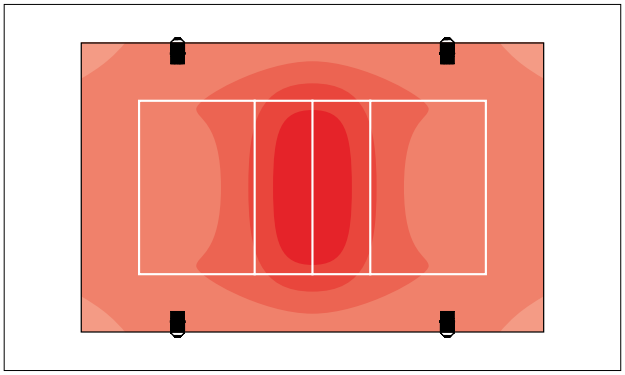
report »

Risultati
Results

EM		U2		RG*	
PA	**TA**	**PA**	**TA**	**PA**	**TA**
824	-	0,74	-	54	-

*** si applica soltanto per altezze di montaggio al di sopra di 10 m.**
only applies for mounting heights above 10 m.





PROD.	**COD.**	**OTTICA OPTICS**	**W**	**LM**	**TEMP. K**	**N. PROD.**	**TOT. LM**	**TOT. W**	**ALTEZZA PROD. m. PROD. HEIGHT m.**
Versus 4	**LL16341GA15**	A1	840	128.403	5700	4	513.612	3.360	7

CL. II

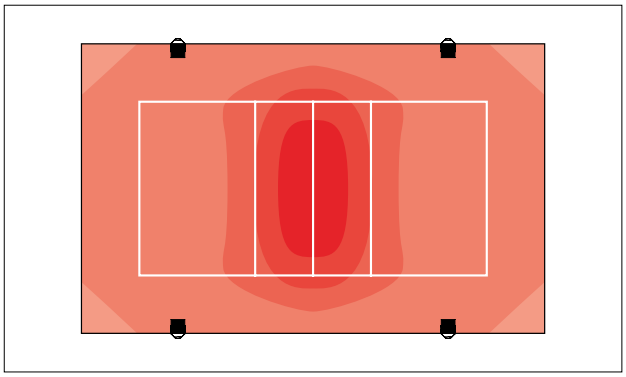
report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
549	-	0,74	-	54	-

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16332GA15**	A1	560	85.601	5700	4	342.404	2.240	7

CL. III

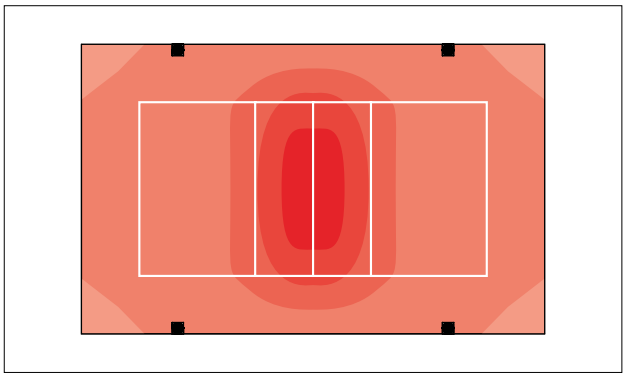
report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
244	-	0,74	-	53	-

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





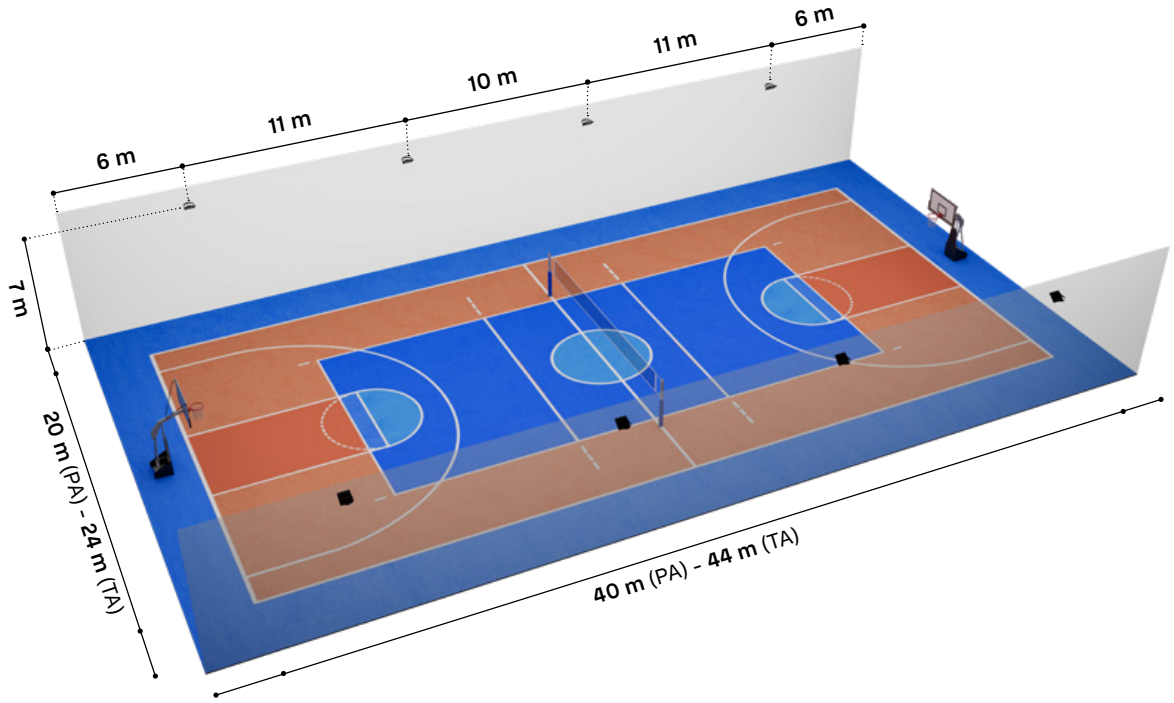
PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 2	**LL16323GA15**	A1	250	38.041	5700	4	152.164	1.000	7





CAMPO POLIFUNZIONALE
MULTIPURPOSE FIELD

CAMPO POLIFUNZIONALE
MULTIPURPOSE FIELD



Dim. campo | Court dim. **[m]**:	40 x 20 (PA) | 44 x 24 (TA)
Posizione | Position **[m]**:	6 » 11 » 10 » 11 » 6
Reticolo | Grid **[pt]**:	15 x 7 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	200
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

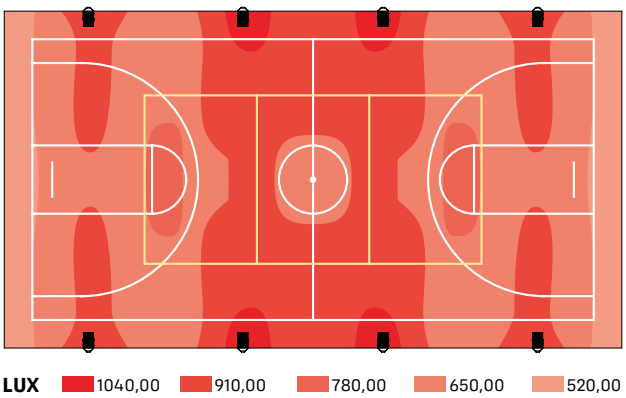
CL. I

report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
892	861	0,72	0,60	39	39

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 4	**LL16341GA35**	A3	840	128.378	5700	8	1.027.024	6.720	7

CL. II

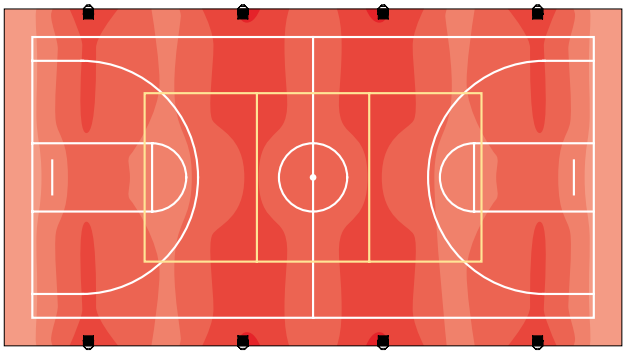
report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
595	574	0,72	0,60	38	38

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 3	**LL16332GA35**	A3	560	85.584	5700	8	684.672	4.480	7

CL. III

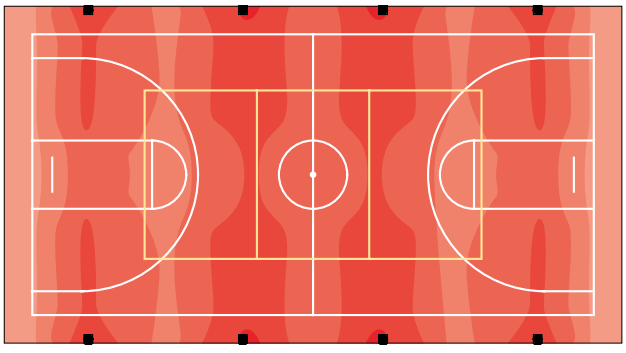
report »

Risultati
Results

EM		U2		RG	
PA	TA	PA	TA	PA	TA
264	255	0,73	0,60	37	37

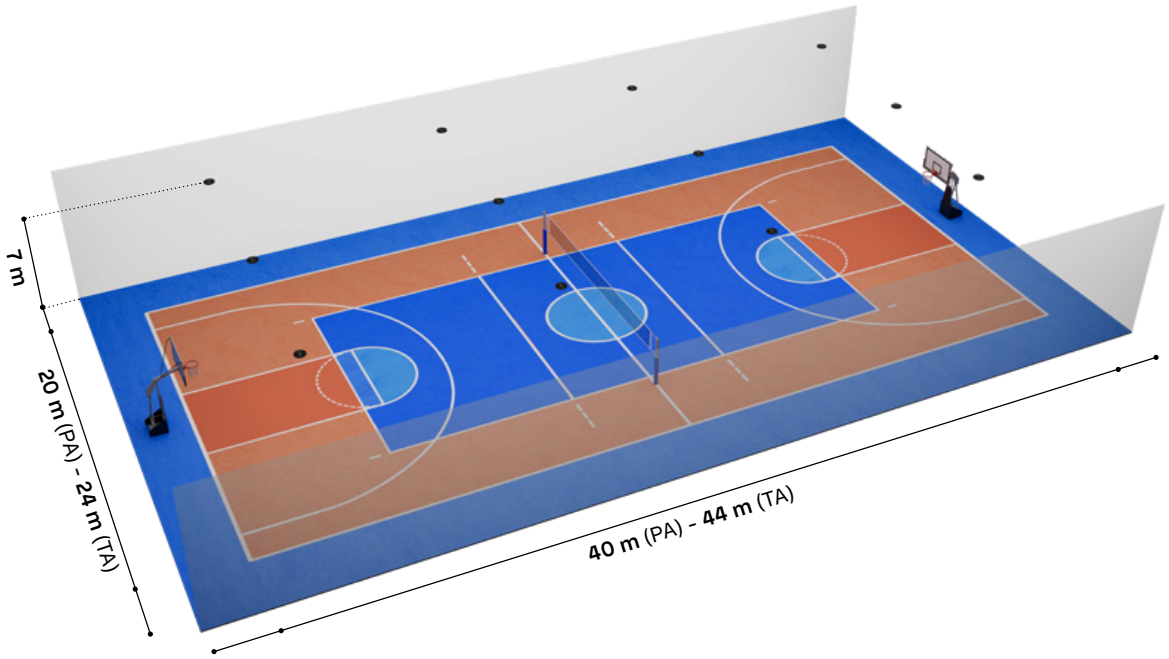
* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Versus 2	**LL16323GA35**	A3	250	38.033	5700	8	304.264	2.000	7

CAMPO POLIFUNZIONALE
MULTIPURPOSE FIELD



Dim. campo | Court dim. **[m]**:	40 x 20 (PA) | 44 x 24 (TA)
Reticolo | Grid **[pt]**:	15 x 7 (PA) | 15 x 9 (TA)
Coeff. man. | Main. coeff.:	0,90
Numero pali | Number of poles:	/

(PA) = Play Area | (TA) = Total Area

VALORI NORMATIVI REGULATORY VALUES	**CL. I**	**CL. II**	**CL. III**
Illuminamento | Illuminance **(LX)**	750	500	200
Uniformità | Uniformity	0,70	0,70	0,50
Abbagliamento | Glare	35	40	40
CRI	80	60	60

CL. I

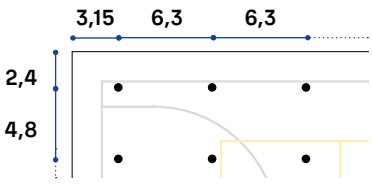
report »

Risultati
Results

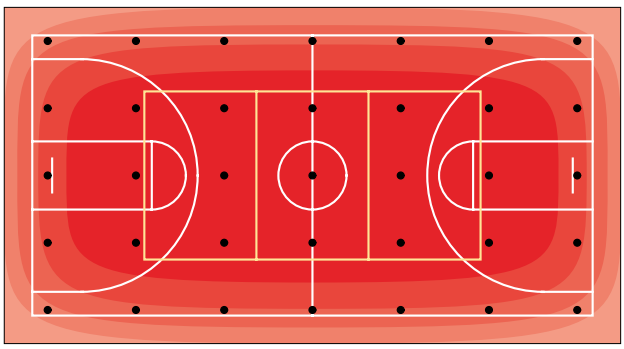
EM		U2		RG	
PA	TA	PA	TA	PA	TA
831	775	0,84	0,64	<10	<10

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.

Posizione | Position **[m]**
N. PROD. 7 x 5



(PA)





PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Beta 4	**LL16014GS95**	S9	190	25.999	5700	35	909.965	6.650	7

CL. II

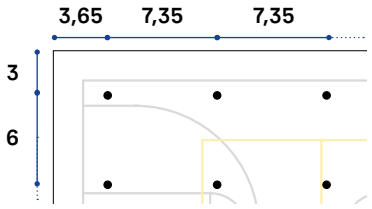
report »

Risultati
Results

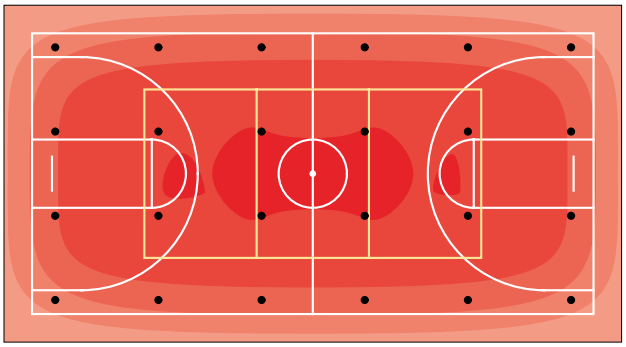
EM		U2		RG	
PA	TA	PA	TA	PA	TA
573	535	0,87	0,66	11	11

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.

Posizione | Position [m]
N. PROD. 6 x 4



(PA)



LUX 600,00 540,00 480,00 420,00 360,00



PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Beta 4	LL16014GS95	S9	190	25.999	5700	24	623.976	4.560	7

CL. III

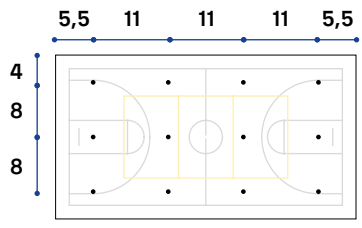
report »

Risultati
Results

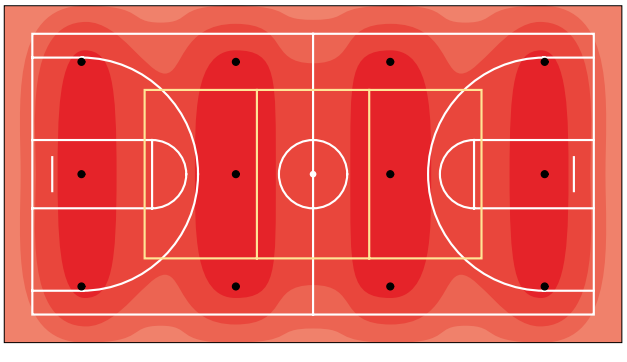
EM		U2		RG	
PA	TA	PA	TA	PA	TA
297	274	0,74	0,61	17	17

* si applica soltanto per altezze di montaggio al di sopra di 10 m.
only applies for mounting heights above 10 m.

Posizione | Position [m]
N. PROD. 4x3



(PA)



LUX 300,00 250,00 200,00 150,00 100,00



PROD.	COD.	OTTICA OPTICS	W	LM	TEMP. K	N. PROD.	TOT. LM	TOT. W	ALTEZZA PROD. m. PROD. HEIGHT m.
Beta 4	LL16014GS95	S9	190	25.999	5700	12	311.988	2.280	7

Lombardo.

HIGH POWER LIGHTING DIVISION

Via Pizzigoni 3 • Villongo (BG) • 24060 • Italy
T +39 035 939 411 • info@lombardo.it