



Smart LED

Lighting solutions for sports facilities
and multifunctional halls

TERA GEN3r SERIES

Cost-efficient. Sustainable. Customized.

SmartArena offers an innovative COB LED lighting solution with maximum uniformity and minimum stray light immission for sports facilities, stadiums and arenas.

From tennis courts to Bundesliga stadiums:

Over 150 successfully completed projects speak for SmartArena's expertise.



MADE IN
AUSTRIA



Why SmartArena?

The Austrian-based company offers innovative LED lighting solutions that meet the respective requirements in terms of light quality, thermal management and long service life.



The Advantages



most modern
COB LED technology



color rendering
up to CRI95



low power
consumption



absolutely flicker-free
(HD, UHD, 4K, 8K)



extremely
compact size



interchangeable
reflectors



unrivaled uniformity
of light distribution



anti-glare accessories
guarantee minimum
light immission



low stray light

Flexibility

The advice is tailored to the needs of your sports facility - both in terms of the floodlights used, the DLC shading system, the lighting calculation and, in the case of new buildings, the mast height of your sports facility.

All SmartArena LED types can also be integrated into the existing infrastructure of sports facilities, exhibition halls and industrial halls. They also guarantee to meet all international standards for all types of TV broadcasts in terms of light quality.

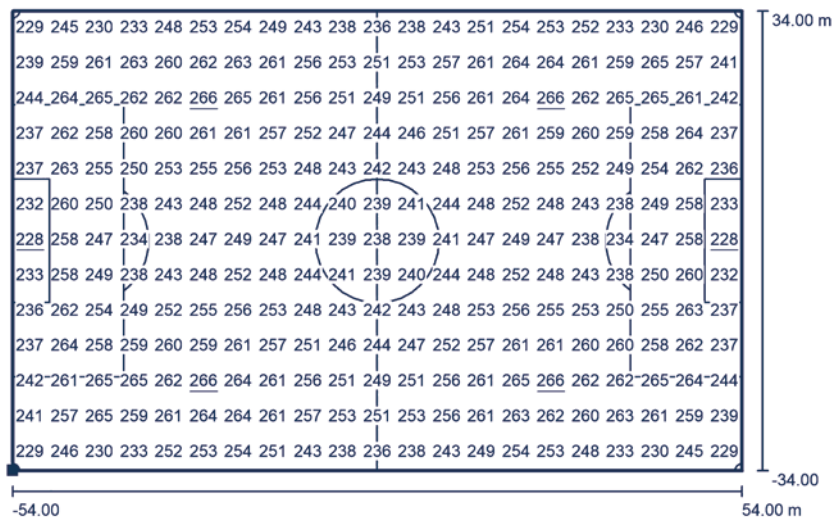
Areas of Application

- indoor and outdoor sports facilities and stadiums
- multipurpose halls
- sports halls
- industrial halls
- congress and exhibition halls

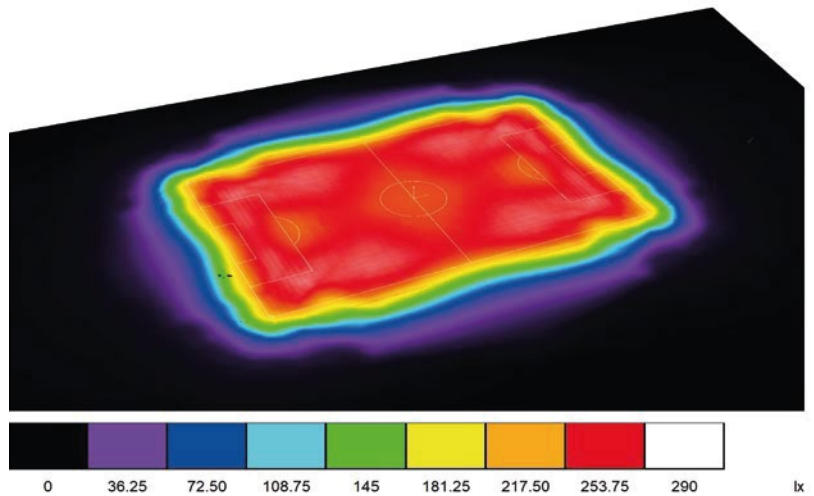


Calculation examples

Competition area 250 Lux Soccer field / value chart (E, horizontal)



Grid: 21 x 13 Points				
E_m [Ix]	E_{min} [Ix]	E_{max} [Ix]	g_1	g_2
251	228	266	0.91	0.86
SMART ARENA Tera GEN3r			ADVANCED 28LP	
Electrical connected load			26,4 kW	



Made in Austria

Our production facility is located in Teufenbach in Styria. Each floodlight system undergoes various quality tests before delivery, is individually adapted to the respective sports or industrial facility and is offered with a 5-year full guarantee.



For **clubs and local authorities**, the switch to a less maintenance-intensive, energy-saving LED floodlight system is currently being made easier by various funding measures.

A new installation not only improves the quality of the lighting, but also helps to save energy and money in the future.

We will be happy to create an individual lighting calculation for you according to your specifications. Any size of sports facility in various sports - such as soccer, tennis, volleyball, basketball, etc. - can be realized.

You can find more information and all contact details on our website:



SPECIFICATIONS

	SOLO	DUO	QUATTRO
LUMINOUS FLUX	up to 45.000 Lm	up to 90.000 Lm	up to 180.000 Lm
RATED POWER RATED VOLTAGE	≤ 350 W 100-240V/50 Hz	≤ 700 W 100-240V/50 Hz	≤ 1400 W 100-240V/50 Hz
OVERVOLTAGE PROTECTION	6kV DM, 10kV CM		
LIGHT DISTRIBUTION INTERCHANGEABLE OPTICAL SYSTEM	the following reflectors are available R10° R15° R25° R35° R45° R60°		
COLOR TEMPERATURE	3000 K, 4000 K, 5700 K		
POWER FACTOR	> 0,98		
IP PROTECTION CLASS	IP67		
DIMENSIONS	W 300 x H 300 x D 140 mm	W 300 x H 660 x D 300 mm	W 600 x H 660 x D 300 mm
	(width W x height H x depth D, without bracket and optics)		
WEIGHT	≤ 7 kg	≤ 14 kg	≤ 28 kg
LUMINOUS FLUX MAINTENANCE	50.000 h L90, min. 120.000 h L80 (Ta = 15°C)		
FLICKER	< 1 % even when dimmed!		
CAMERA SUITABILITY	HD UHD/4k, 8k, SSM (super slow motion), High Speed		
EPA	from 0,083 m ²	2x	4x
CRI	70-95 CRI		

UPGRADES

DLC-SYSTEM (Direct-Light-Control)	System for limiting glare and brightening rooms using geometric cut-off technology
HIGH END TV APPLICATION	TLCI > 95
SWITCH DIMMING	Up to 3 freely programmable dimming levels-Retro-Fit: completely without additional wiring
DMX/RDM DIMMING	10-100% stepless
DALI DIMMING	DALI-2 / D4i

SmartArena - a brand of
Preworks GmbH
Technologepark 4/1
8510 Stainz / Austria

☎ +43 3463 82317
✉ info@smart-arena.com
🌐 www.smart-arena.com

PRE Works
...SOWAS VON LICHT!