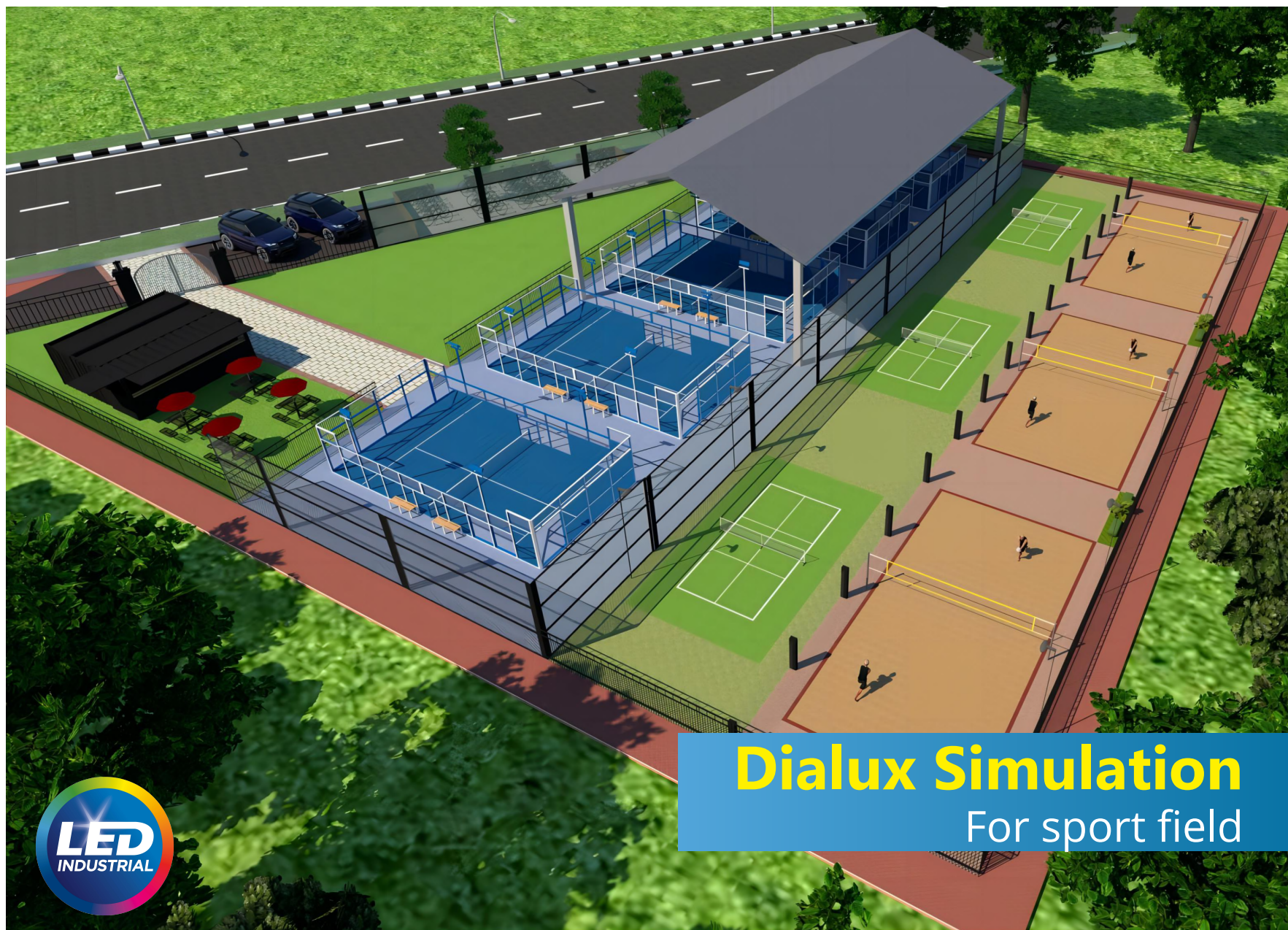




Dialux Simulation

For sport field



Football Field

Athletics Field

Rugby Field

Tennis Field

Play Court

Baseball Field

Proper lighting on the playing field is essential to make the game enjoyable for athletes and spectators.



Recommendations of Minimum Lighting Levels

Sport		Illuminance Level (Em . Horizontal) Lux * (Non CTV)						Glare Rating (GR)		
		Class I		Class II		Class III				
		Em	Uo	Em	Uo	Em	Uo	I	II	III
		Lux	Min/ave	Lux	Min/ave	Lux	Min/ave			
Athletics		500	0.7	200	0.5	50 to 100	0.5	50	55	55
Baseball	In Fld	750	0.7	500	0.7	300	0.5	50	50	55
	Out Fld	500	0.5	300	0.5	200	0.3	50	50	55
Basketball		500	0.7	200	0.6	75	0.5	50	50	55
Bowls (Flat Green)		300	0.7	200	0.7	100	0.5	50	50	50
Cricket	Sq	750	0.7	500	0.7	300	0.5	50	50	55
Grounds	Field	500	0.5	300	0.5	200	0.3	50	50	55
Equestrian		500	0.7	200	0.7	100	0.5	50	50	55
Football (soccer)		500	0.7	200	0.6	75	0.5	50	50	55
Hockey		500	0.7	200	0.7	200	0.7	50	50	55
Horse racing		200	0.6	100	0.4	50	0.2	50	50	55
Netball		500	0.7	200	0.6	75	0.5	50	50	55
Rugby		500	0.7	200	0.6	75	0.5	50	50	55
Tennis		500	0.7	300	0.7	200	0.6	50	50	55
Volleyball		500	0.7	200	0.6	75	0.5	50	50	55

The right color temperature improves visibility, concentration and aesthetics, helping players perform better and spectators enjoy the game.

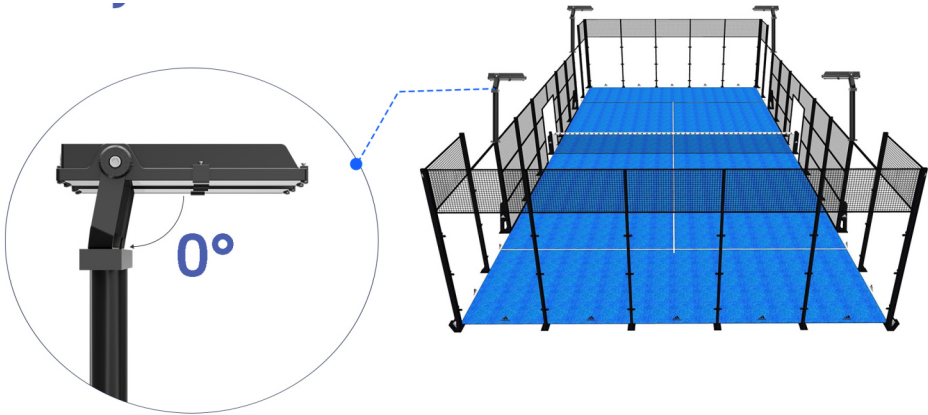
Sports played on turf and blue surfaces are better enjoyed under cool white lighting (5000K). Swimming pools and ice rinks also require cool white to look crisp and clean.

Sports played on wooden surfaces, such as basketball, will look best under slightly warmer CCTs (4000K).



Our LED fixtures reproduce rich colors with high accuracy and contrast, featuring a Color Rendering index (CRI) of 80+ as standard, with CRI 90+ and TLCI 0+ as options.

Outdoor Padel Court

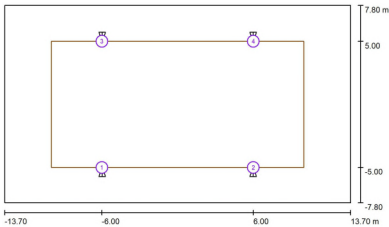
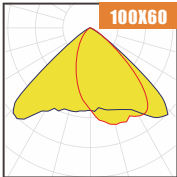


ULR 0%

totally ZERO upward light

illuminance increases by 20-40% compared to others

Revive



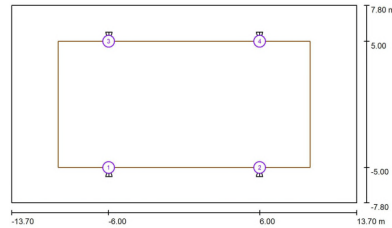
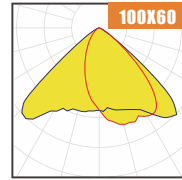
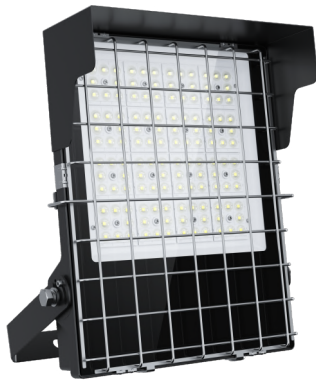
Class I, Eav>500lx, U0>0.7

Fixture	8pcs 150w 100x60
Installation	6m
	0 degree horizontal
Eav	548lx
Emin/Eav	0.75
Emin/Emax	0.64
ULR	0%
GR Max	29

Class II, Eav>300lx, U0>0.7

Fixture	4pcs 200w 100x60
Installation	6m
	0 degree horizontal
Eav	356lx
Emin/Eav	0.77
Emin/Emax	0.64
ULR	0%
GR Max	31

Slim G3



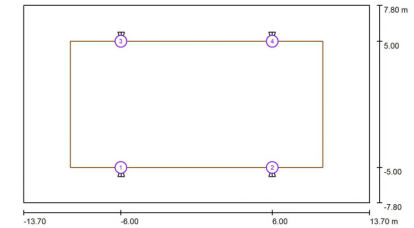
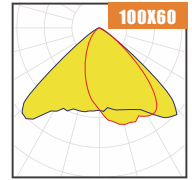
Class I, $E_{av}>500lx$, $U0>0.7$

Fixture	8pcs 150w 100x60
Installation	6m
	0 degree horizontal
Eav	548lx
Emin/Eav	0.75
Emin/Emax	0.64
ULR	0%
GR Max	29

Class II, $E_{av}>300lx$, $U0>0.7$

Fixture	4pcs 200w 100x60
Installation	6m
	0 degree horizontal
Eav	356lx
Emin/Eav	0.77
Emin/Emax	0.64
ULR	0%
GR Max	31

Navigator



Class I, $E_{av}>500lx$, $U0>0.7$

Fixture	8pcs 150w 100x60
Installation	6m
	0 degree horizontal
Eav	501lx
Emin/Eav	0.75
Emin/Emax	0.6
ULR	0%
GR Max	29

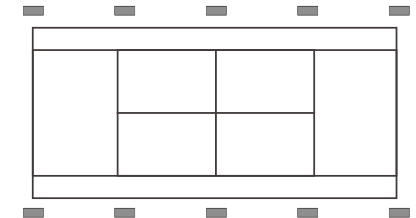
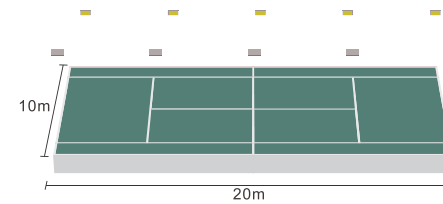
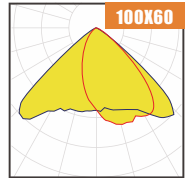
Class II, $E_{av}>300lx$, $U0>0.7$

Fixture	4pcs 200w 100x60
Installation	6m
	0 degree horizontal
Eav	335lx
Emin/Eav	0.74
Emin/Emax	0.61
ULR	0%
GR Max	31

Indoor Padel Court



Revive



Level of competition

	Class		
	I	II	III
International/ National	●		
Regional	●	●	
Local	●	●	●
Training		●	●
Recreational			●

EN12193 Requirements

		Class		
		I	II	III
Horizontal illuminance	E_m lx	500	300	200
	E_{min}/E_m	0.7	0.7	0.6
GR		50	50	55
Ra		60	60	20

Class I, $E_{av} > 500lx$, $U0 > 0.7$

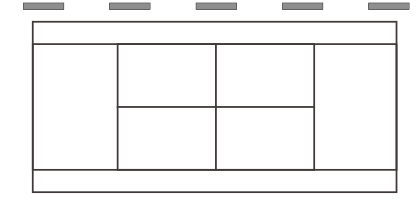
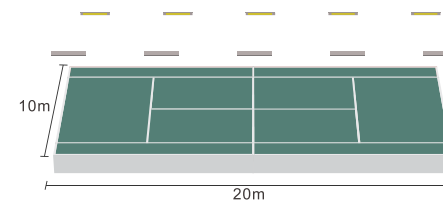
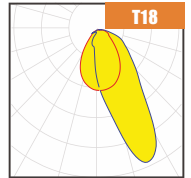
Fixture	8pcs 150w 100x60
Installation	6m
	0 degree horizontal
Eav	548lx
Emin/Eav	0.75
Emin/Emax	0.64
ULR	0%
GR Max	29

Class II, $E_{av} > 300lx$, $U0 > 0.7$

Fixture	4pcs 200w 100x60
Installation	6m
	0 degree horizontal
Eav	356lx
Emin/Eav	0.77
Emin/Emax	0.64
ULR	0%
GR Max	31



Hemera



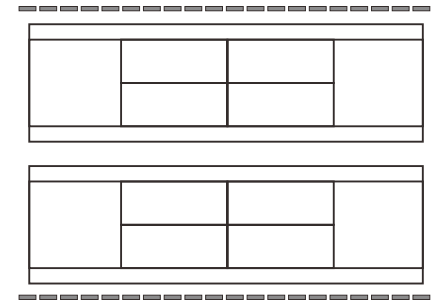
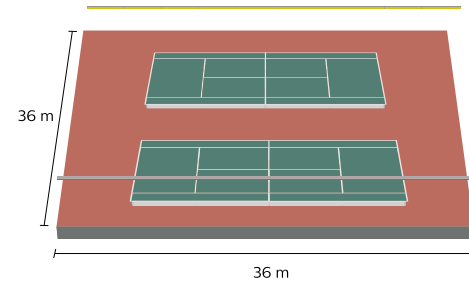
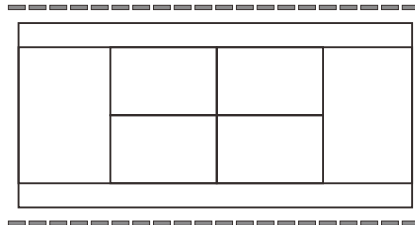
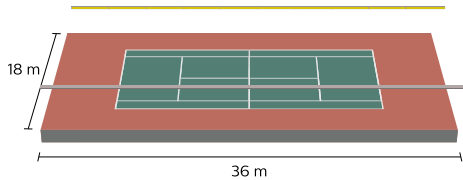
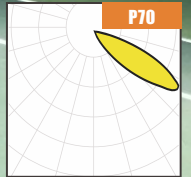
Class I, $E_{av} > 500lx$, $U0 > 0.7$

Installation height	7m
Fixture	10pcs 150w
E_{av}	555LX
E_{min}/E_{av}	0.75
E_{min}/E_{max}	0.66

Class II, $E_{av} > 300lx$, $U0 > 0.7$

Installation height	6.5m
Fixture	8pcs 100w
E_{av}	301LX
E_{min}/E_{av}	0.73
E_{min}/E_{max}	0.61

Outdoor Tennis Court



Class I, $E_{av} > 500 \text{ lx}$, $U_0 > 0.7$

Fixture	42pcs 60w
Installation	4m
Eav	512lx
Emin/Eav	0.81
Emin/Emax	0.7
ULR	12%
GR Max	43

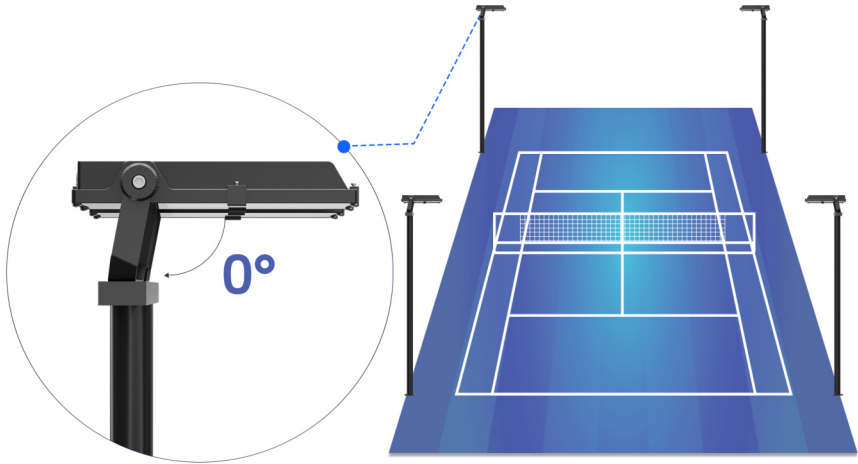
Class II, $E_{av} > 300 \text{ lx}$, $U_0 > 0.7$

Fixture	42pcs 43w
Installation	3m
Eav	384lx
Emin/Eav	0.76
Emin/Emax	0.69
ULR	16%
GR Max	49

Class II, $E_{av} > 300 \text{ lx}$, $U_0 > 0.7$

Fixture	42pcs 80w
Installation	4m
Eav	339lx
Emin/Eav	0.7
Emin/Emax	0.58
ULR	18%
GR Max	55

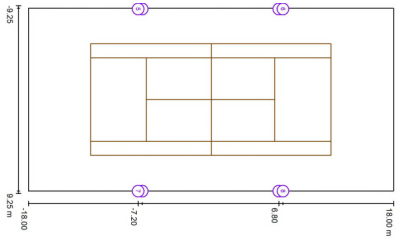
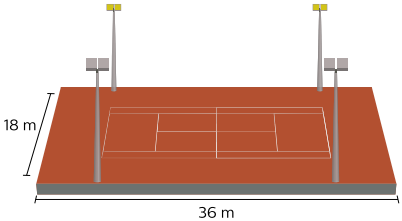
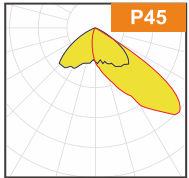
Outdoor Tennis Court



ULR 0%

totally ZERO upward light
illuminance increases by 20-40% compared to others

Slim G3



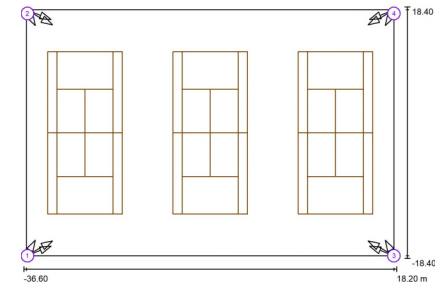
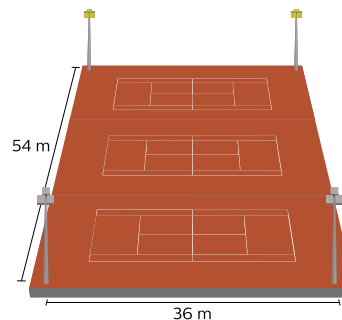
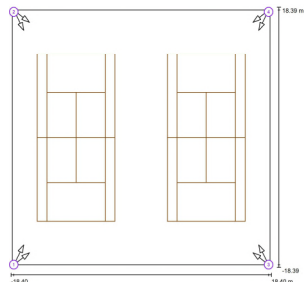
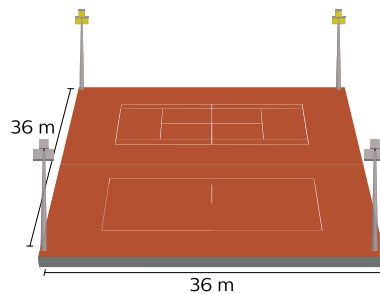
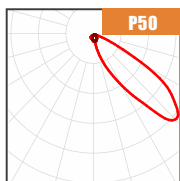
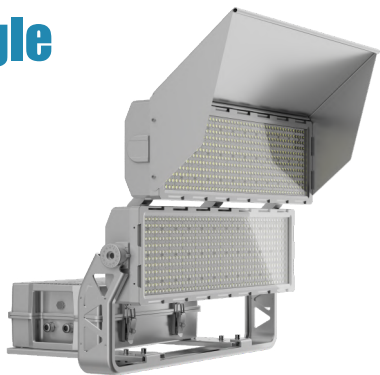
Class I, $E_{av} > 500lx$, $U_0 > 0.7$

Fixture	8pcs 240w P45
Installation	8m
	0 degree horizontal
Eav	504lx
Emin/Eav	0.81
Emin/Emax	0.74
ULR	0%
GR Max	33

Class II, $E_{av} > 300lx$, $U_0 > 0.7$

Fixture	8pcs 150w P45
Installation	8m
	0 degree horizontal
Eav	315lx
Emin/Eav	0.81
Emin/Emax	0.73
ULR	0%
GR Max	33

Eagle



Class II, $E_{av} > 300lx$, $U0 > 0.7$

Fixture	8pcs 500w P50
Installation	12m
Rotation	20 degree
Eav	390lx
Emin/Eav	0.72
Emin/Emax	0.64
ULR	1%
GR Max	39

Class II, $E_{av} > 300lx$, $U0 > 0.7$

Fixture	12pcs 500w P50
Installation	15m
Rotation	20 degree
Eav	354lx
Emin/Eav	0.77
Emin/Emax	0.7
ULR	1%
GR Max	35



Indoor Tennis Court



Revive



100X60



AC100-277V



-40~+60



IP66



IK10



6KV Surge Protection



GR 0/1



50,000H

A 3D perspective diagram showing the luminaire installation on a tennis court. The court is 20m wide and 10m high. The luminaire is a rectangular fixture mounted on the ceiling.

A 2D top-down diagram showing the luminaire installation on a tennis court. The court is 20m wide and 10m high. The luminaire is a rectangular fixture mounted on the ceiling.

Level of competition

	Class		
	I	II	III
International/ National	●		
Regional	●	●	
Local	●	●	●
Training		●	●
Recreational			●

EN12193 Requirements

		Class		
		I	II	III
Horizontal illuminance	E_m lx	500	300	200
	E_{min}/E_m	0.7	0.7	0.6
GR		50	50	55
Ra		60	60	20

Class I, $E_{av}>500lx$, $U0>0.7$

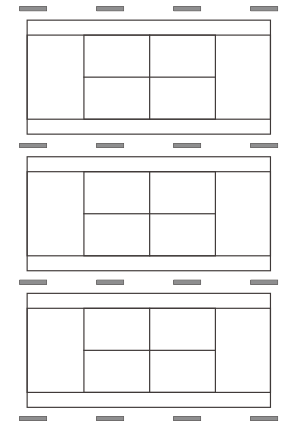
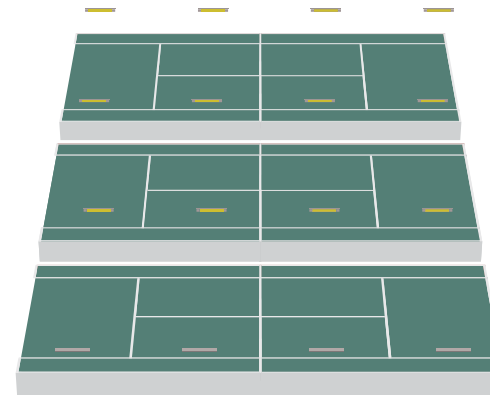
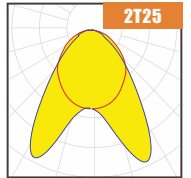
Fixture	8pcs 150w 100x60
Installation	6m
	0 degree horizontal
Eav	548lx
Emin/Eav	0.75
Emin/Emax	0.64
ULR	0%
GR Max	29

Class II, $E_{av}>300lx$, $U0>0.7$

Fixture	4pcs 200w 100x60
Installation	6m
	0 degree horizontal
Eav	356lx
Emin/Eav	0.77
Emin/Emax	0.64
ULR	0%
GR Max	31



Hemera



Class I, Eav>500lx, U0>0.7

Installation height	7m
Fixture	16pcs 150w
Eav	518LX
Emin/Eav	0.85
Emin/Emax	0.78

Indoor Play Area



To ensure that every match and show can be performed smoothly, and to assist operatives to remain live broadcast, anti-glaring light is required more and more for sport field where people doesn't feel comfortable with the glaring light, especially when the light were not very high. Our LED fixtures, engineered with anti-glaring design, enhance the game experience for both players and spectators.

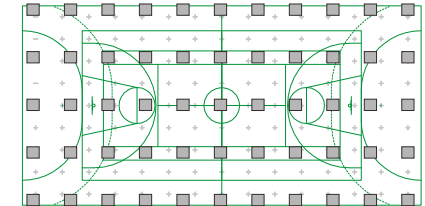
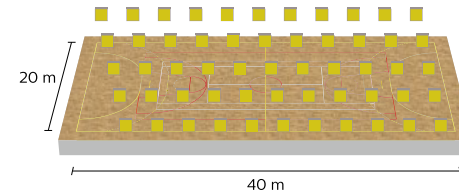
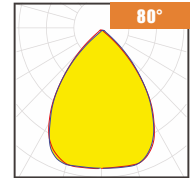
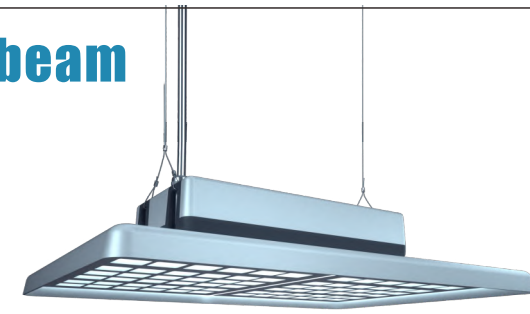
Level of competition

	Class		
	I	II	III
International/ National	•		
Regional	•	•	
Local	•	•	•
Training		•	•
Recreational			•

EN12193 Requirements

		Class		
		I	II	III
Horizontal illuminance	E_m lx	500	300	200
	E_{min}/E_m	0.7	0.7	0.6
GR		50	50	55
Ra		60	60	20

Mildbeam



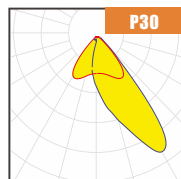
Class I, $E_{av} > 750$ lx, $U_0 > 0.7$

Installation	7m
Fixture	55 pcs 120w D110
E_{av}	778lx
E_{min}/E_{av}	0.81
E_{min}/E_{max}	0.72
GR Max	12

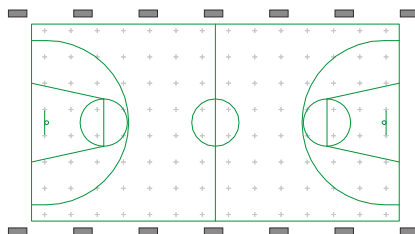
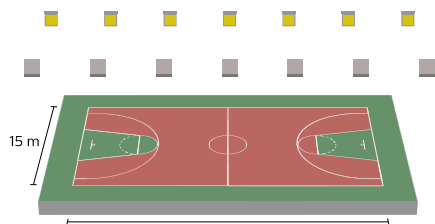
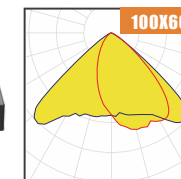
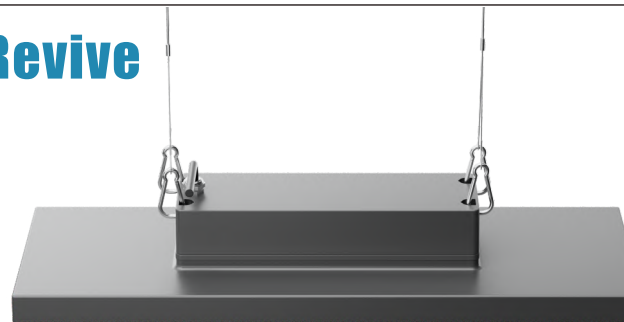
Class II, $E_{av} > 500$ lx, $U_0 > 0.7$

Installation	7m
Fixture	36 pcs 120w
E_{av}	510lx
E_{min}/E_{av}	0.81
E_{min}/E_{max}	0.73
GR Max	12

Navigator



Revive



Class I, $E_{av} > 750lx$, $UO > 0.7$

Installation	7m
Fixture	14pcs 300w P30
E_{av}	717lx
E_{min}/E_{av}	0.84
E_{min}/E_{max}	0.76
GR Max	34

Class II, $E_{av} > 500lx$, $UO > 0.7$

Installation	7m
Fixture	16pcs 200w
E_{av}	527lx
E_{min}/E_{av}	0.84
E_{min}/E_{max}	0.76
GR Max	32

Class I, $E_{av} > 500lx$, $UO > 0.7$

Fixture	8pcs 150w 100x60
Installation	6m 0 degree horizontal
E_{av}	548lx
E_{min}/E_{av}	0.75
E_{min}/E_{max}	0.64
ULR	0%
GR Max	29

Class II, $E_{av} > 300lx$, $UO > 0.7$

Fixture	4pcs 200w 100x60
Installation	6m 0 degree horizontal
E_{av}	356lx
E_{min}/E_{av}	0.77
E_{min}/E_{max}	0.64
ULR	0%
GR Max	31

Football Stadium

Professional high mast light is required more and more for applications of exterior stadium where not only lux on ground is asked, but also homogeneity, small beam angle, long lifetime and UV resistance are even more important. Our design team works to achieve optimum uniformity and maximum lux levels by using tailored lights, lenses and visor system to provide the correct distribution of light for your courts. It not only increases the performance of players, but also the atmosphere of the match.

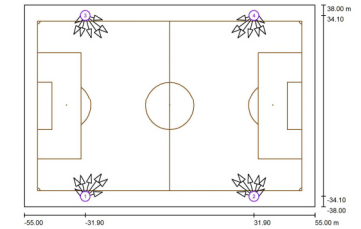
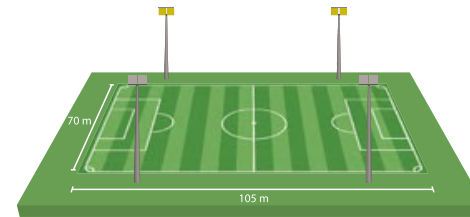
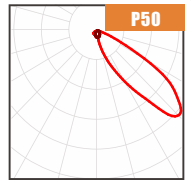
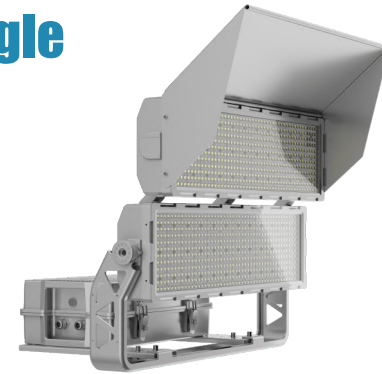
Level of competition

	Class		
	I	II	III
International/ National	●		
Regional	●	●	
Local	●	●	●
Training		●	●
Recreational			●

EN12193 Requirements

		Class		
		I	II	III
Horizontal illuminance	E_m lx	500	300	200
	E_{min}/E_m	0.7	0.7	0.6
GR		50	50	55
Ra		60	60	20

Eagle



Class I, $E_{av}>500lx$, $U0>0.7$

Fixture	28pcs 1500w P50
Installation	18m
Rotation	15-20 degree
Eav	531lx
Emin/Eav	0.75
Emin/Emax	0.6
ULR	3%
GR Max	42

Class II, $E_{av}>200lx$, $U0>0.6$

Fixture	16pcs 1000w P50
Installation	15m
Rotation	25-30 degree
Eav	208lx
Emin/Eav	0.66
Emin/Emax	0.47
ULR	4%
GR Max	45

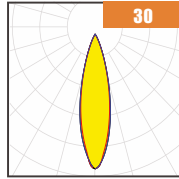
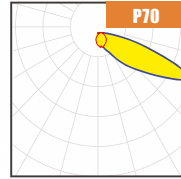
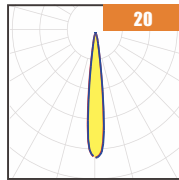
Class II, $E_{av}>300lx$, $U0>0.7$

Fixture	24pcs 1000w P50
Installation	15m
Rotation	20-30 degree
Eav	306lx
Emin/Eav	0.73
Emin/Emax	0.53
ULR	4%
GR Max	45

Class III, $E_{av}>75lx$, $U0>0.5$

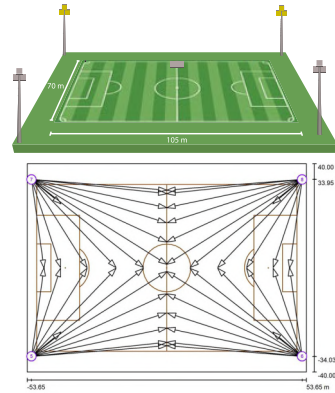
Fixture	16pcs 500w P50
Installation	12m
Rotation	25-30 degree
Eav	103lx
Emin/Eav	0.58
Emin/Emax	0.35
ULR	5%
GR Max	48

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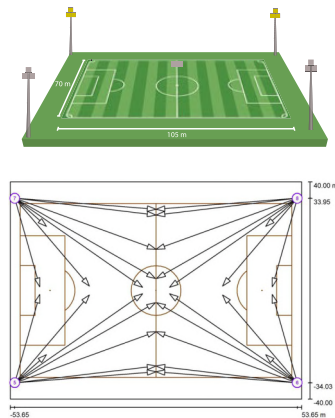
Class I, $E_{av} > 1000 \text{ lx}$, $U_0 > 0.7$

Mast	4x24m
Fixture	36pcs 1800W D20/D30 12pcs 1500W D20
Eav	1023lx
Em in/Eav	0.74
Em in/Em ax	0.67
GR Max	45



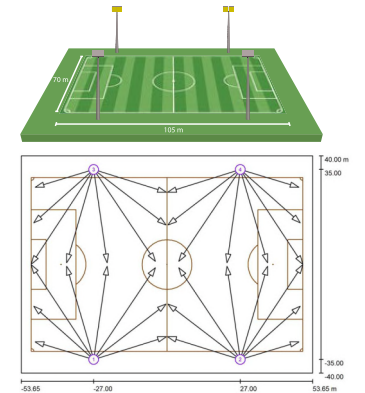
Class I, $E_{av} > 500 \text{ lx}$, $U_0 > 0.7$

Mast	4x24m
Fixture	28pcs 1500W D20 4pcs 1200W D30
Eav	555lx
Em in/Eav	0.79
Em in/Em ax	0.64
GR Max	44



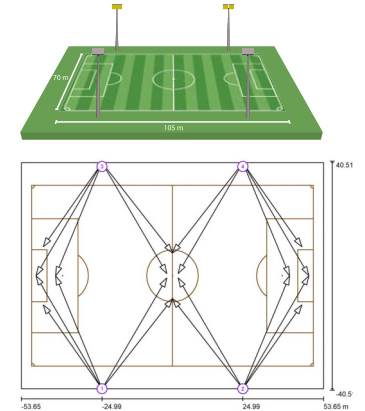
Class I, $E_{av} > 1000 \text{ lx}$, $U_0 > 0.7$

Mast	4x18m
Fixture	16pcs 1200W D30 16pcs 1500W D20
Eav	553lx
Em in/Eav	0.74
Em in/Em ax	0.62
GR Max	46



Class II, $E_{av} > 200 \text{ lx}$, $U_0 > 0.6$

Mast	4x18m
Fixture	20pcs 1200W MBP70
Eav	202lx
Em in/Eav	0.61
Em in/Em ax	0.42
GR Max	45



Class II, $E_{av} > 75 \text{ lx}$, $U_0 > 0.5$

Mast	4x18m
Fixture	8pcs 1200W MBP70
Eav	89lx
Em in/Eav	0.58
Em in/Em ax	0.42
GR Max	45

