

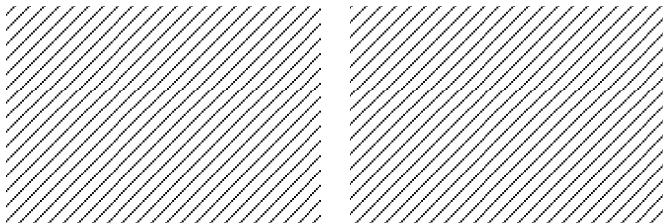
Date



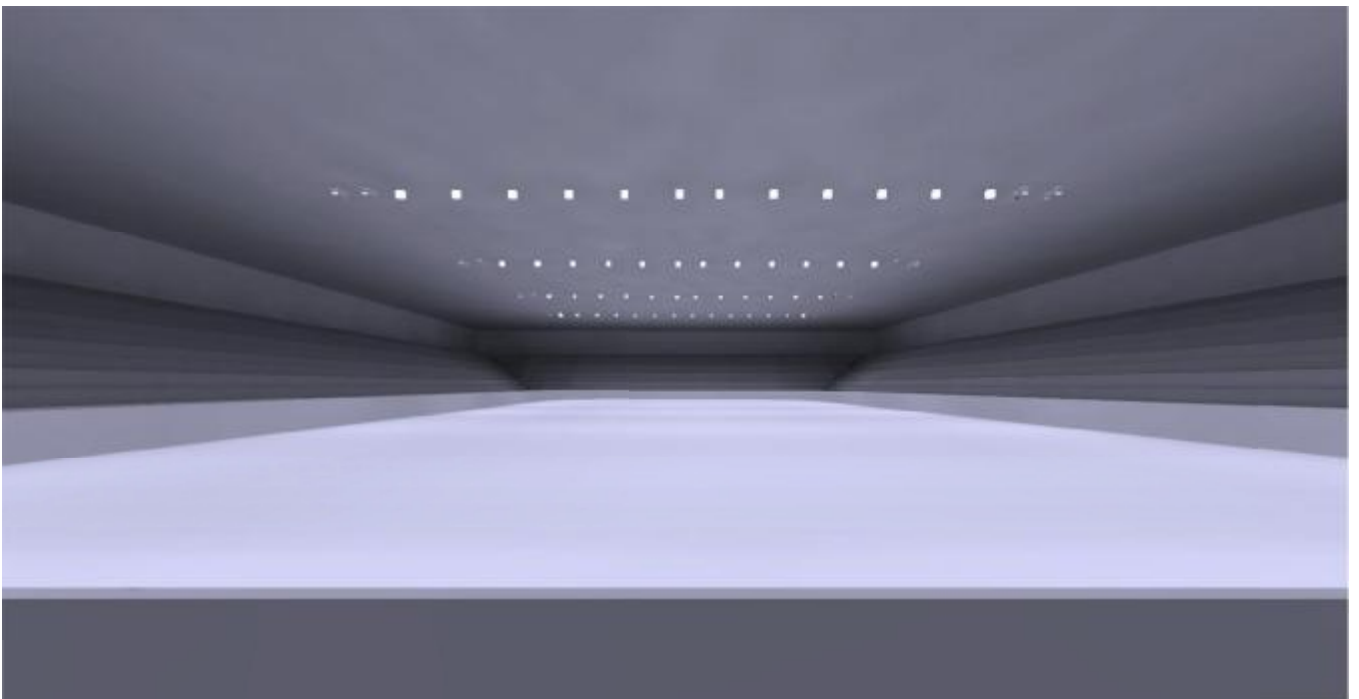
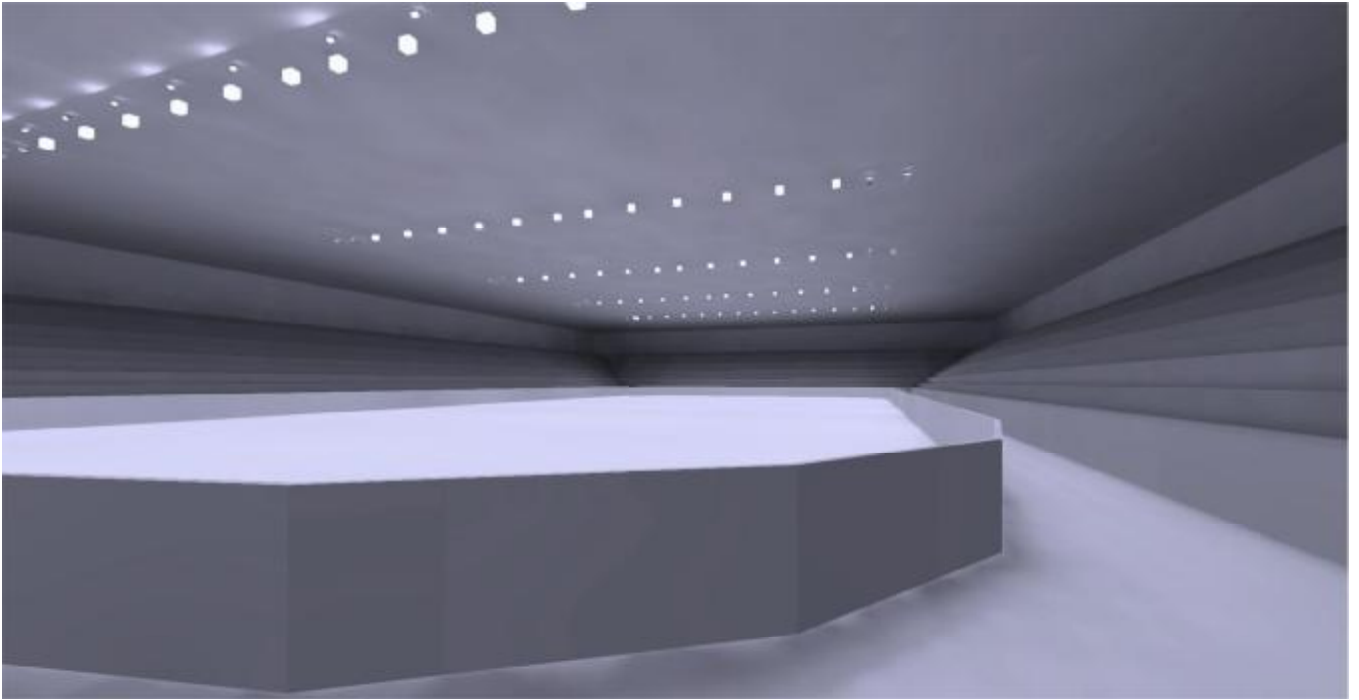
Osvetlenie Zimného štadióna v Trnave - HALA B

Rozloženie svietidiel na pozície nosníkov

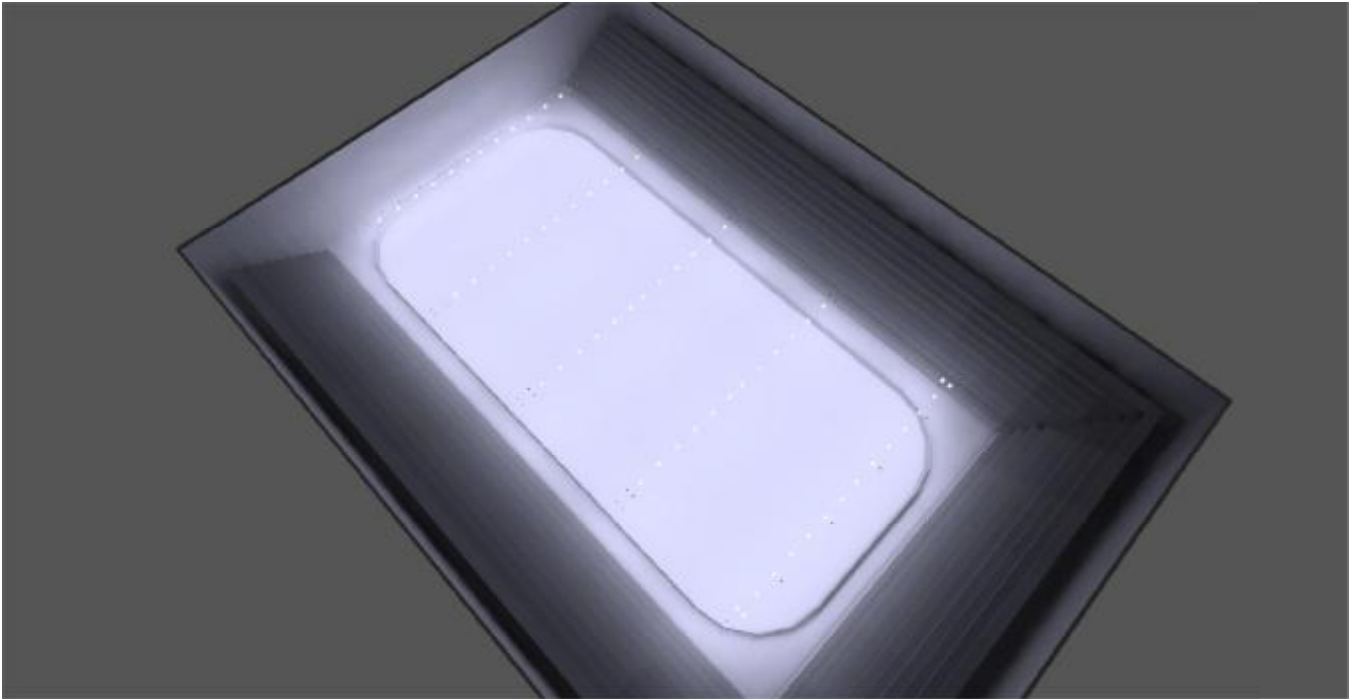
Contacts



Images

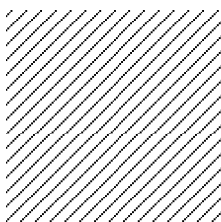


Images

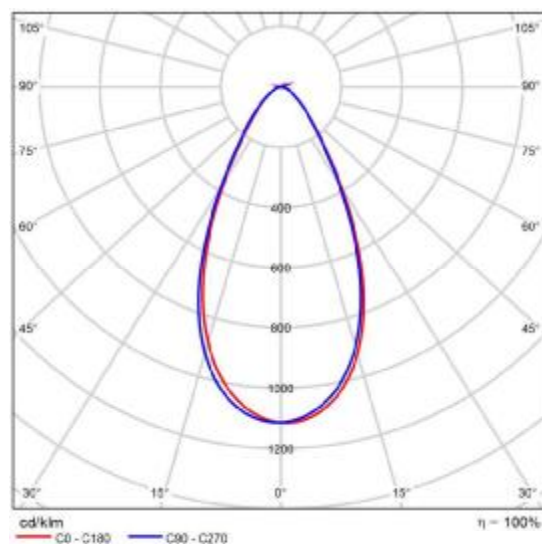


Product data sheet

LED FLOOD LIGHT



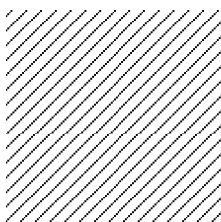
Article No.	T400A-100W-60D
P	99.4 W
Φ_{Lamp}	15727 lm
$\Phi_{\text{Luminaire}}$	15724 lm
η	99.98 %
Luminous efficacy	158.3 lm/W
CCT	5000 K
CRI	80



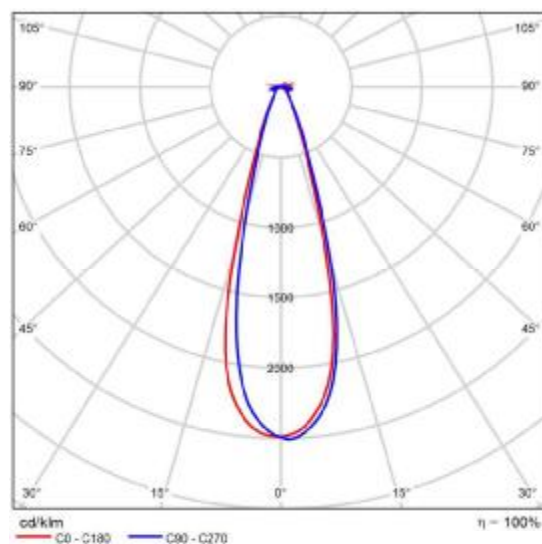
Polar LDC

Product data sheet

LED FLOOD LIGHT



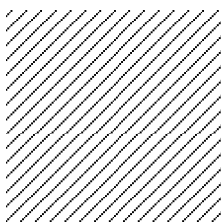
Article No.	T400A-100W-30D
P	100.1 W
Φ_{Lamp}	15102 lm
$\Phi_{\text{Luminaire}}$	15093 lm
η	99.94 %
Luminous efficacy	150.8 lm/W
CCT	5000 K
CRI	80



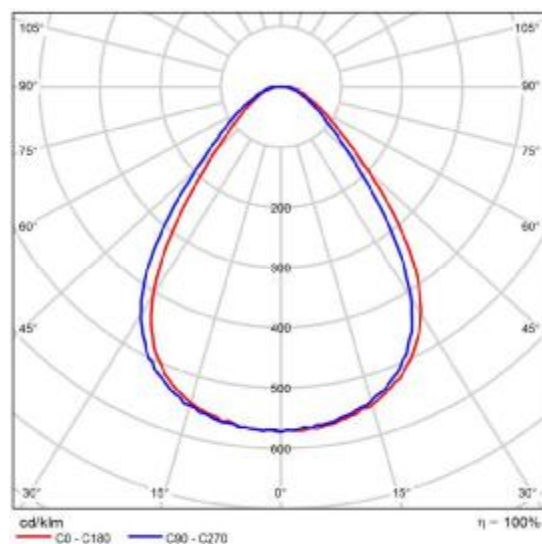
Polar LDC

Product data sheet

T400A-200W-90D



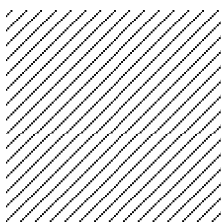
P	199.2 W
Φ_{Lamp}	31761 lm
$\Phi_{\text{Luminaire}}$	31782 lm
η	100.07 %
Luminous efficacy	159.6 lm/W
CCT	5000 K
CRI	80



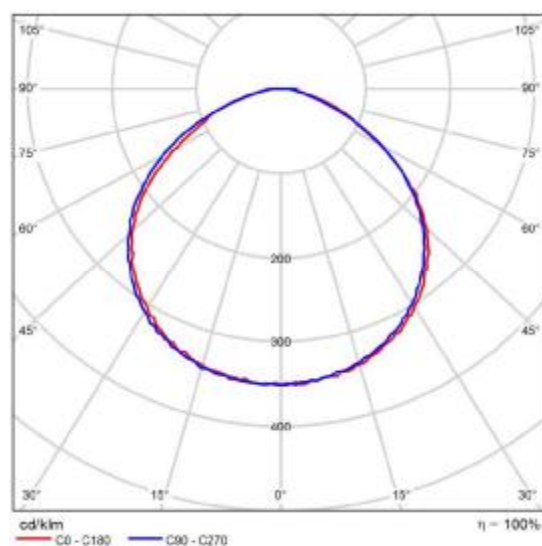
Polar LDC

Product data sheet

T400A-200W-120D



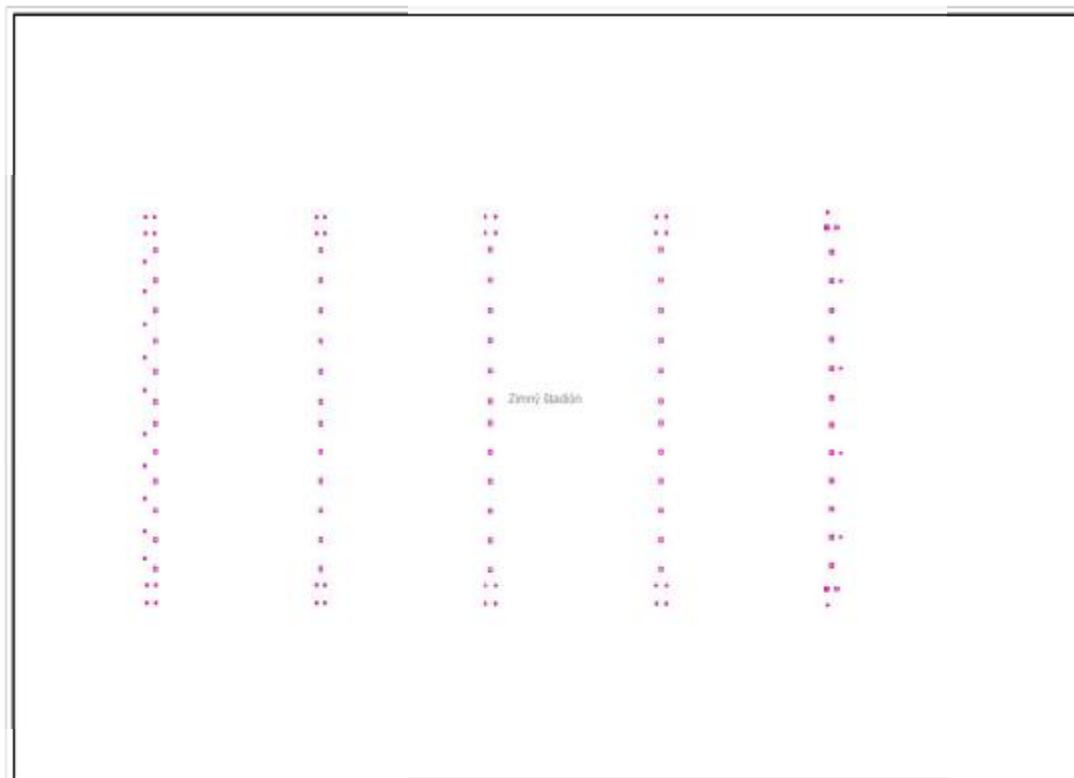
P	200.2 W
Φ_{Lamp}	32061 lm
$\Phi_{\text{Luminaire}}$	32083 lm
η	100.07 %
Luminous efficacy	160.3 lm/W
CCT	5000 K
CRI	80



Polar LDC

HALA B · 1NP

Room List (Energy evaluation)



HALA B · 1NP

Room List (Energy evaluation)

Zimný štadión

P_{total}
17589.0 W

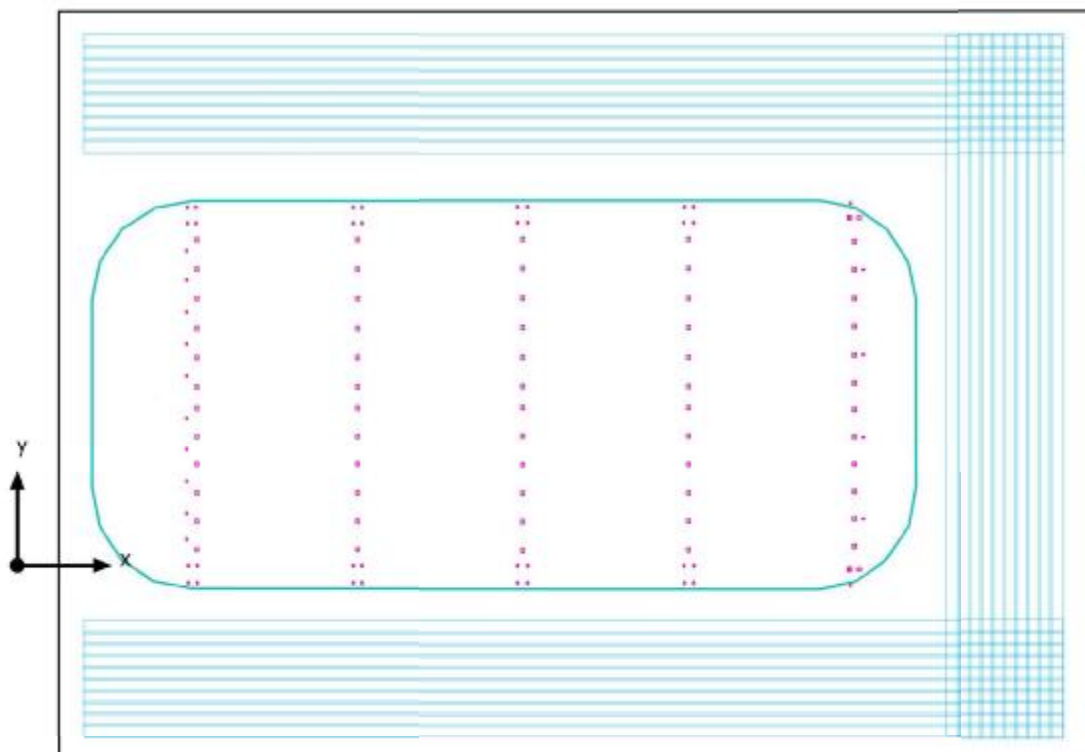
A_{Room}
4041.48 m²

Lighting power density
4.35 W/m² (Room)

pcs.	Manufacturer	Article No.	Article name	P	$\Phi_{\text{Luminaire}}$
62			T400A-200W-120D	200.2 W	32083 lm
2			T400A-200W-90D	199.2 W	31782 lm
10		T400A-100W-30D	LED FLOOD LIGHT	100.1 W	15093 lm
38		T400A-100W-60D	LED FLOOD LIGHT	99.4 W	15724 lm

HALA B · 1NP · Zimný štadión

Summary



HALA B · 1NP · Zimný štadión

Summary

Results

	Symbol	Calculated	Target	Check	Index
Glare	GR _{max}	14	-	-	S4
Consumption values	Consumption	48350 kWh/a	max. 141500 kWh/a	✓	
Lighting power density	Room	4.35 W/m ²	-	-	

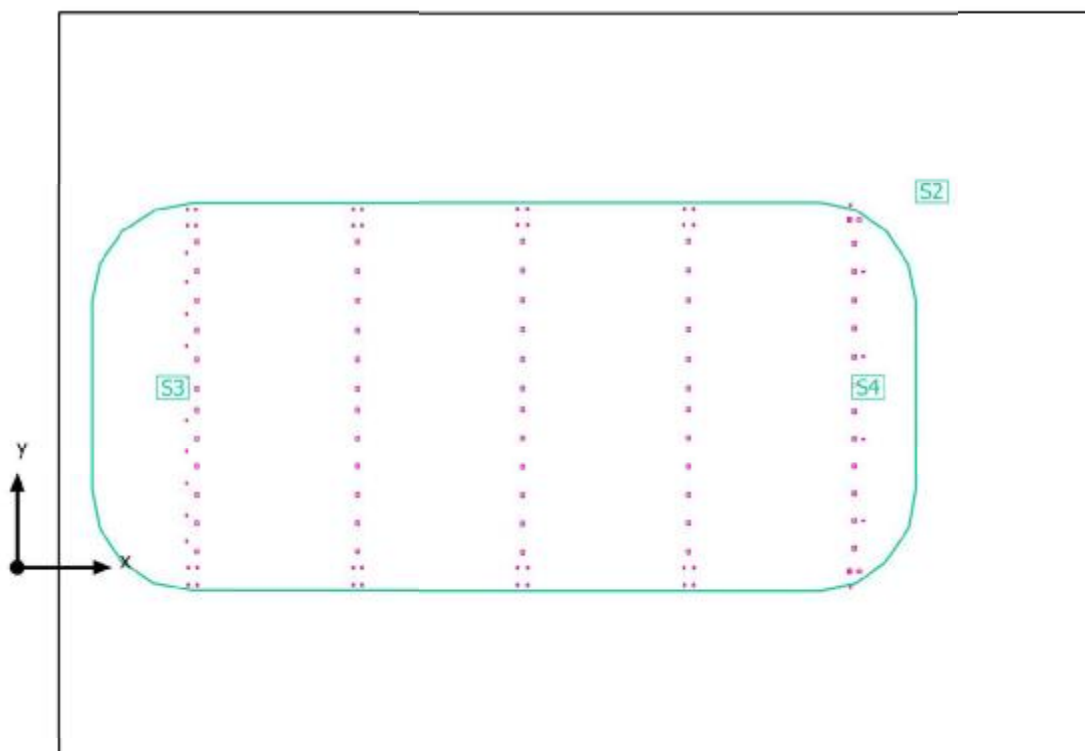
Utilisation profile: DIALux presetting, Standard (office)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
62			T400A-200W-120D	200.2 W	32083 lm	160.3 lm/W
2			T400A-200W-90D	199.2 W	31782 lm	159.6 lm/W
10		T400A-100W-30D	LED FLOOD LIGHT	100.1 W	15093 lm	150.8 lm/W
38		T400A-100W-60D	LED FLOOD LIGHT	99.4 W	15724 lm	158.3 lm/W

HALA B · 1NP · Zimný štadión

Calculation objects



HALA B · 1NP · Zimný štadión

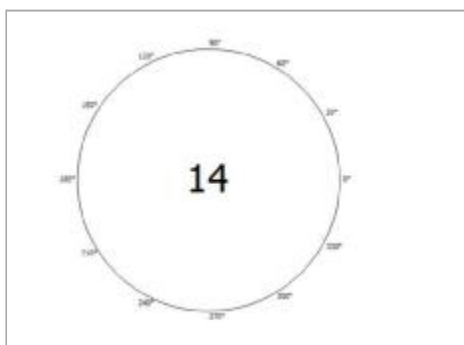
Calculation objects

Calculation surfaces

Properties	\bar{E}	E_{\min}	E_{\max}	g_1	g_2	Index
pracovná rovina - hracia plocha Perpendicular illuminance Height: 0.000 m	1038 lx	921 lx	1181 lx	0.89	0.78	S2

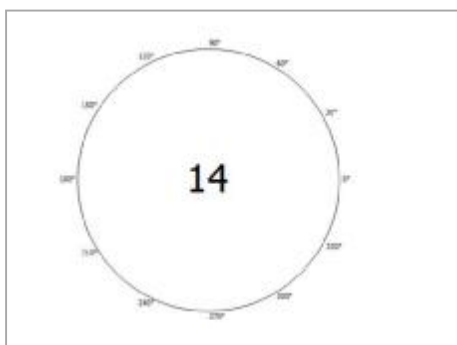
oslňenie GR brankár č.1 (GR)

Strongest glare at	0°
max	14
Target	-
Viewing sector	0° - 360°
Step width	15°
Angle of inclination	-2°
Height	1.500 m
Index	S3
Method	Exact calculation according to CIE 112



oslňenie GR brankár č.2 (GR)

Strongest glare at	150°
max	14
Target	-
Viewing sector	0° - 360°
Step width	15°
Angle of inclination	-2°
Height	1.500 m
Index	S4
Method	Exact calculation according to CIE 112



HALA B · 1 NP · Zimný štadión

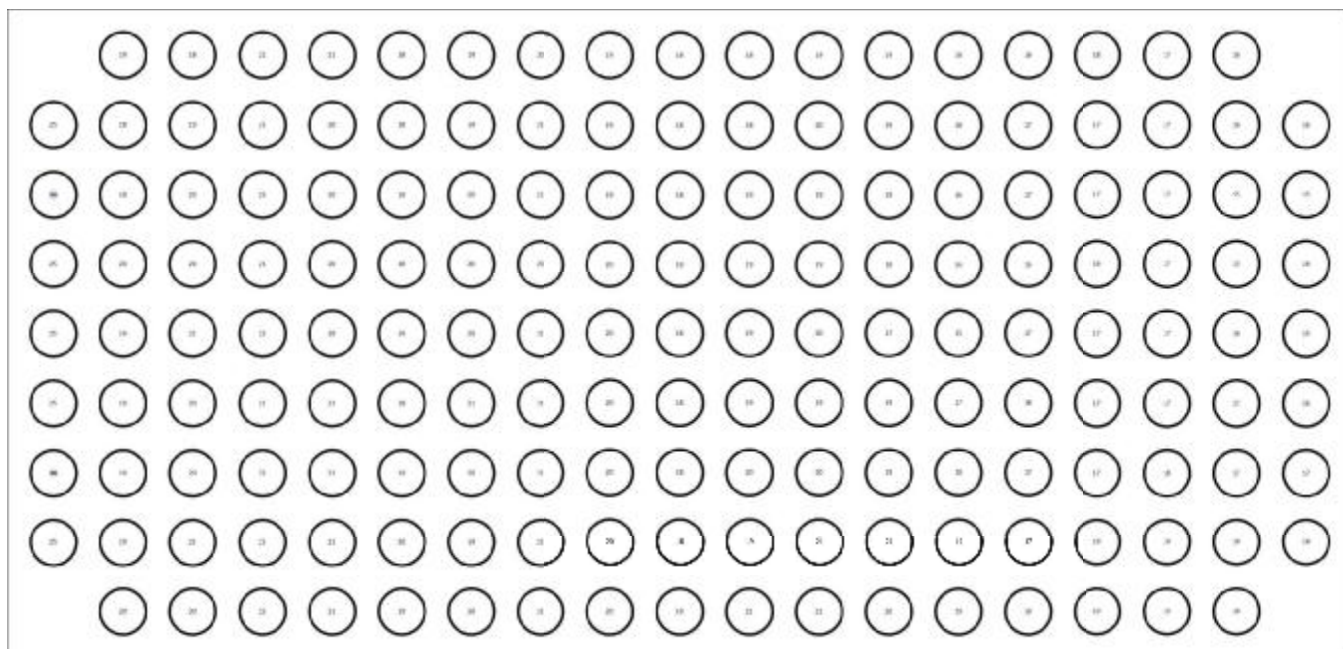
Calculation objects

pracovná rovina - hracia plocha
(GR)

Strongest glare at	360°
max	26
Target	-
Viewing sector	0° - 360°
Step width	15°
Angle of inclination	0°
Height	1.500 m
Index	S2
Method	Exact calculation according to CIE 112

HALA B · 1NP · Zimný štadión

Calculation objects

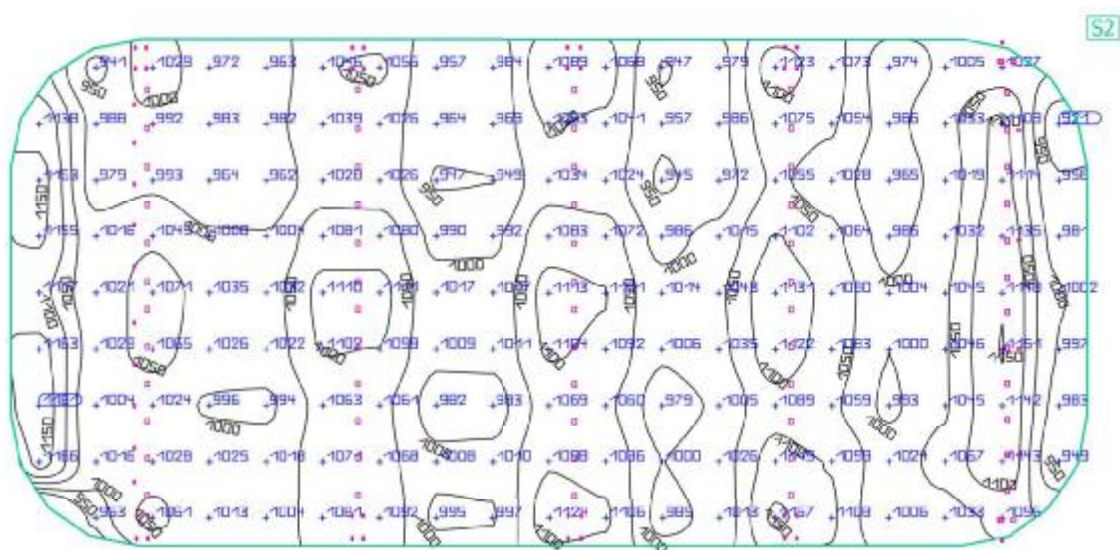


HALA B · 1NP · Zimný štadión

Calculation objects

Utilisation profile: DIALux presetting, Standard (office)

HALA B · 1NP · Zimný štadión

pracovná rovina - hracia plocha

Properties	\bar{E}	E_{min}	E_{max}	g_1	g_2	Index
pracovná rovina - hracia plocha	1038 lx	921 lx	1181 lx	0.89	0.78	S2
Perpendicular illuminance						
Height: 0.000 m						

Utilisation profile: DIALux presetting, Standard (office)