

Godina e Teatrit Tiranë, Faza I-rë

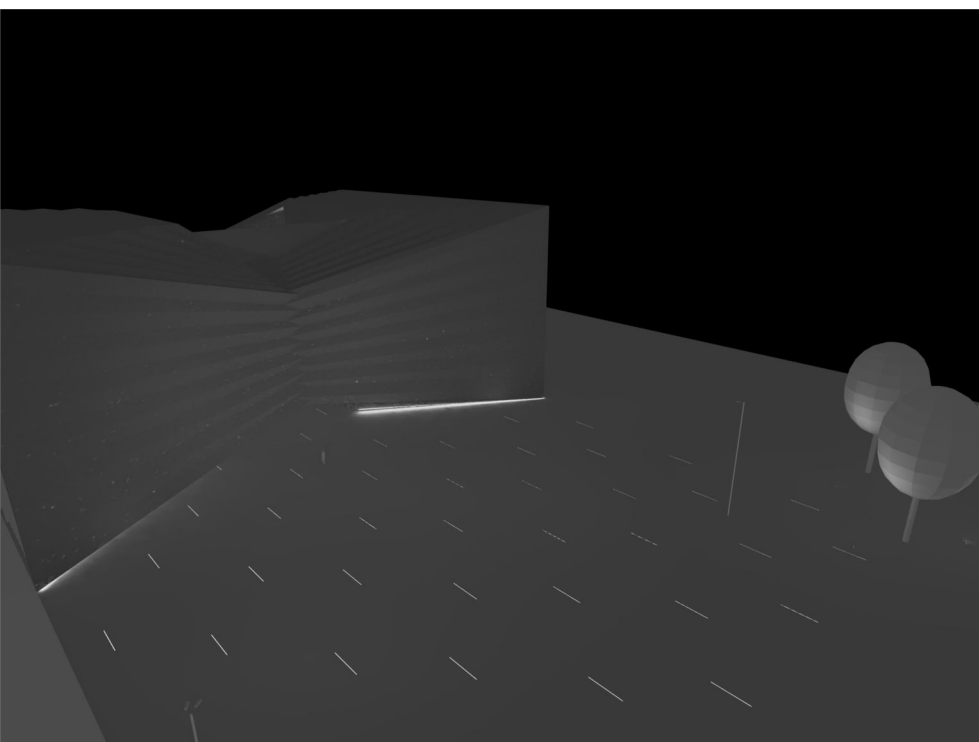
Analiza e Ndricimit

A&E ENGINEERING



Studio Konsulente
F&M INGEGNERIA S.p.a.





Godina e Teatrit Tirane, Faza I-rë

Exteriori

Përmbajtja

Faqja e parë	1
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Fletët e të dhënave për produktin

Cariddi 40 40° 3000K (1x LED Flux=3953.2lm LED Fuqia=38.4W Eff=58% EfcLed=103lm/W EfcLum=57lm/W Ra=90 SDCM=2 L70(6K)=50000h)	4
EGO 6 SPOT 24Vdc FLOOD 3000K (1x LED Flux=786lm LED Fuqia=12W Eff=91% EfcLed=66lm/W EfcLum=59lm/W Ra=80 SDCM=3 L70(6K)=50000h)	5
Shirit linear LED 100 Alumini 3000K (1x LED Flux=590lm LED Fuqia=8W Eff=31% EfcLed=74lm/W EfcLum=23lm/W Ra=80 SDCM=7 L70(6K)=35000h)	6
Led Linear Wallwasher 100 - Eliptik - 3000K (1x LED Flux=1958,4lm LED Fuqia=24W Eff=85% EfcLed=82lm/W EfcLum=49lm/W Ra=80 SDCM=3 L70(6K)=50000h - 34.00 W)	7

Zona

Pamje	8
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Lista e ndriçuesve

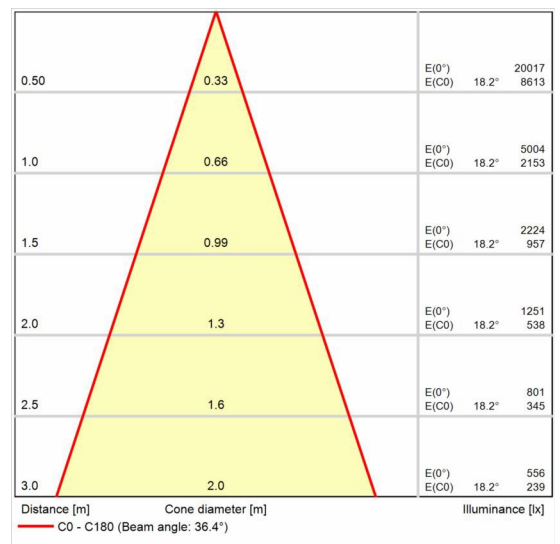
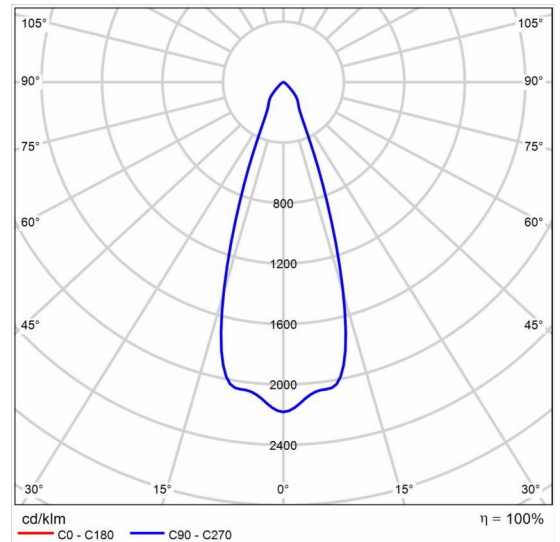
Φ_{total}	P_{total}	Efikasiteti i dritës
217583 lm	5216.0 W	41.7 lm/W

cop.	Prodhuesi	Nr.	Emri i artikullit	P	Φ	Efikasiteti i dritës
98		NL17323E LK0	Linear Wallwasher 100 - Eliptik - 3000K	34.0 W	1663 lm	48.9 lm/W
195		NL7419VS K0	Led Linear CARRABILE 100 Alumin 3000K	8.0 W	184 lm	23.0 lm/W
6		T418740W 00	Cariddi 40 40° 3000K	40.0 W	2292 lm	57.3 lm/W
7		T7633FLW 00	EGO 6 SPOT 24Vdc FLOOD 3000K	12.0 W	711 lm	59.2 lm/W

Fleta e produktit

Cariddi 40 40° 3000K

Nr.	T418740W00
P	40.0 W
Φ_{Lamp}	2293 lm
$\Phi_{ndriçimi}$	2292 lm
η	99.95 %
Efikasiteti i dritës	57.3 lm/W
CCT	3000 K
CRI	90

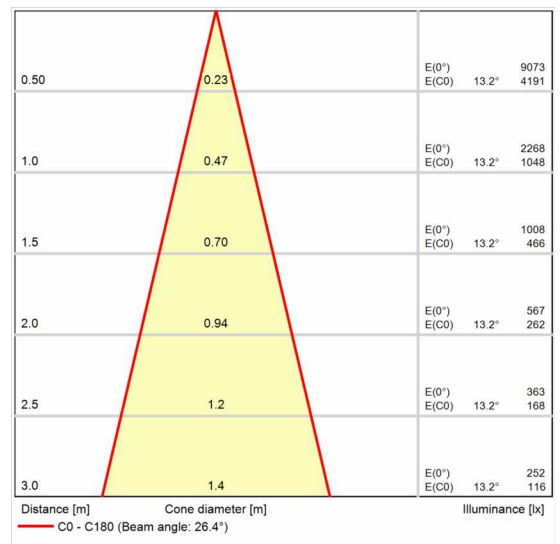
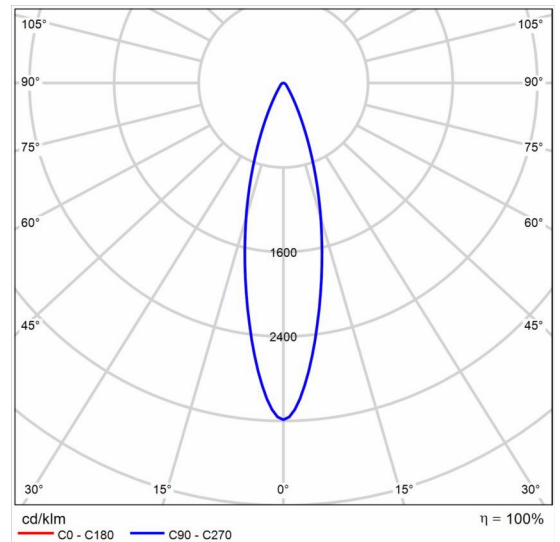


Diagrami konik

Fleta e produktit

EGO 6 SPOT 24Vdc FLOOD 3000K

Nr.	T7633FLW00
P	12.0 W
Φ_{lamp}	711 lm
$\Phi_{\text{ndriçimi}}$	711 lm
η	100.00 %
Efikasiteti i dritës	59.2 lm/W
CCT	3000 K
CRI	100

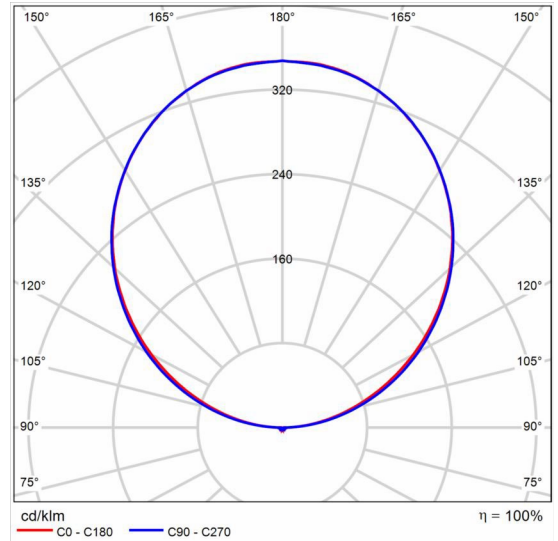


Diagrami konik

Fleta e produktit

LED LINEAR CARRABILE 100 ALUMIN 3000K

Nr.	NL7419VSK0
P	8.0 W
Φ_{Lamp}	184 lm
$\Phi_{Luminaire}$	184 lm
η	100.00 %
Efikasiteti i dritës	23.0 lm/W
CCT	3000 K
CRI	100



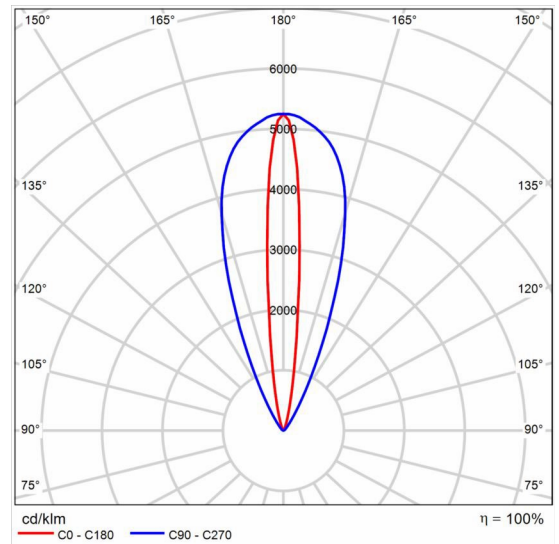
Glare evaluation according to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-19.7	-19.2	-18.4	-17.9	-16.1	-19.7	-19.2	-18.4	-17.9	-16.1
	3H	-16.7	-16.2	-15.4	-15.0	-13.1	-16.7	-16.2	-15.4	-15.0	-13.1
	4H	-15.0	-14.6	-13.7	-13.3	-11.5	-14.9	-14.5	-13.6	-13.2	-11.4
	6H	-13.0	-12.6	-11.7	-11.3	-9.5	-12.9	-12.5	-11.6	-11.2	-9.4
	8H	-11.8	-11.4	-10.5	-10.1	-8.3	-11.8	-11.4	-10.5	-10.1	-8.2
	12H	-10.4	-10.0	-9.1	-8.7	-6.9	-10.3	-10.0	-9.0	-8.7	-6.8
4H	2H	-18.8	-18.4	-17.5	-17.1	-15.3	-18.8	-18.4	-17.5	-17.1	-15.3
	3H	-15.6	-15.3	-14.3	-14.0	-12.2	-15.7	-15.3	-14.4	-14.0	-12.2
	4H	-13.8	-13.5	-12.5	-12.2	-10.3	-13.7	-13.4	-12.4	-12.2	-10.3
	6H	-11.6	-11.3	-10.3	-10.1	-8.2	-11.6	-11.3	-10.3	-10.0	-8.2
	8H	-10.3	-10.1	-9.0	-8.8	-6.9	-10.3	-10.1	-9.0	-8.8	-6.9
	12H	-8.8	-8.6	-7.5	-7.3	-5.4	-8.8	-8.6	-7.5	-7.3	-5.4
8H	4H	-13.1	-12.8	-11.8	-11.6	-9.7	-13.1	-12.8	-11.8	-11.5	-9.7
	6H	-10.6	-10.4	-9.3	-9.1	-7.3	-10.6	-10.4	-9.3	-9.1	-7.3
	8H	-9.2	-9.0	-7.9	-7.7	-5.8	-9.2	-9.0	-7.9	-7.7	-5.9
	12H	-7.4	-7.3	-6.1	-6.0	-4.1	-7.5	-7.3	-6.2	-6.0	-4.2
12H	4H	-12.9	-12.7	-11.6	-11.4	-9.5	-12.9	-12.6	-11.5	-11.3	-9.5
	6H	-10.3	-10.1	-9.0	-8.8	-7.0	-10.3	-10.1	-9.0	-8.8	-7.0
	8H	-8.7	-8.6	-7.4	-7.3	-5.4	-8.8	-8.6	-7.5	-7.3	-5.4
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2	-0.2			+0.2	-0.2				
S = 1.5H		+0.3	-0.3			+0.3	-0.4				
S = 2.0H		+0.5	-0.6			+0.5	-0.5				
Standard table		---				---					
Correction summand		---				---					
Corrected glare indices referring to 183.86lm Total luminous flux											

Diagrami UGR (SHR: 0.25)

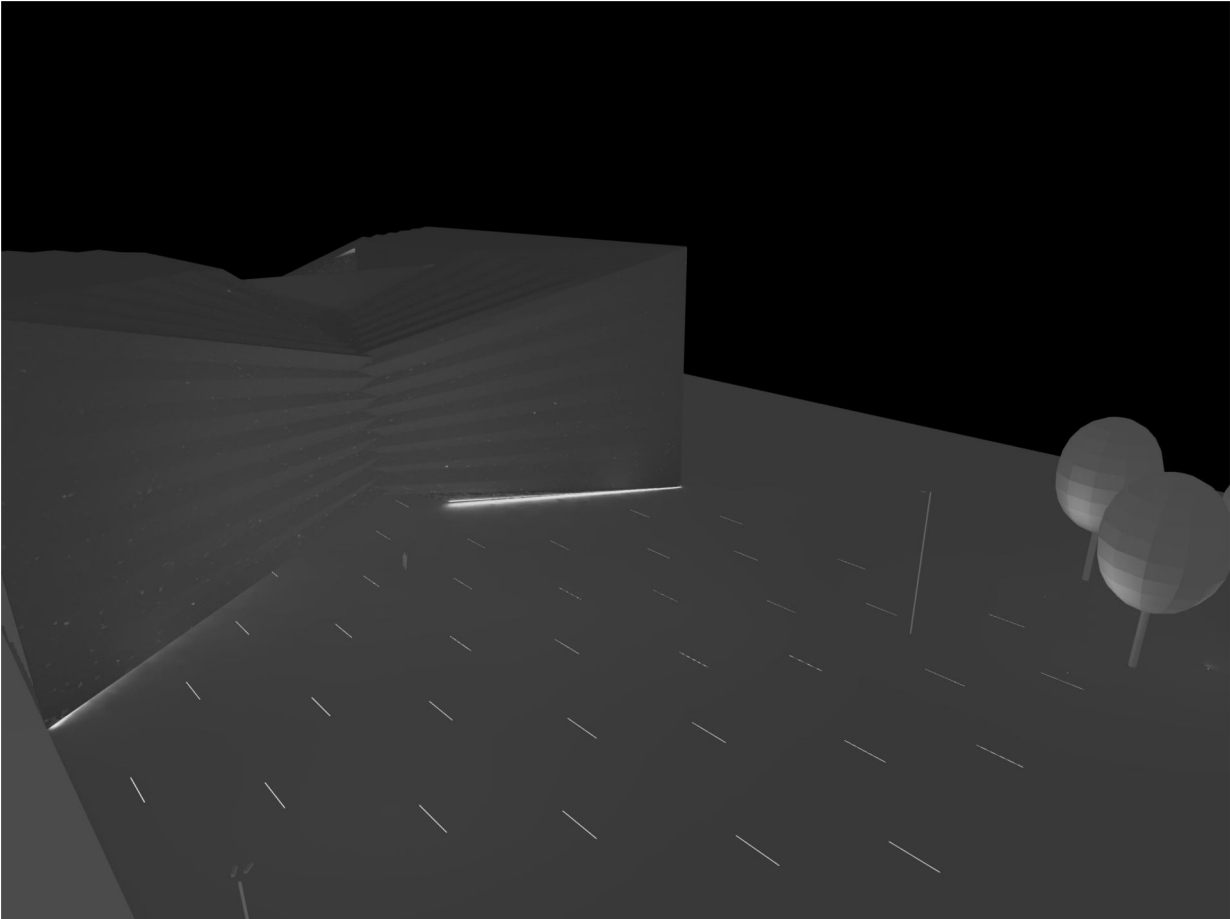
Fleta e produktit

Led linear Wallwasher 100 - Eliptik - 3000K

Nr.	NL17323ELK0
P	34.0 W
Φ_{Lamp}	1665 lm
$\Phi_{\text{ndriçimi}}$	1663 lm
η	99.88 %
Efikasiteti i dritës	48.9 lm/W
CCT	3000 K
CRI	100

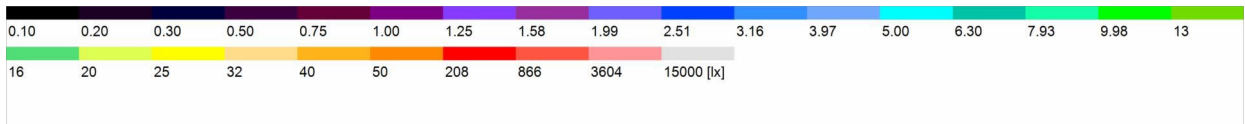
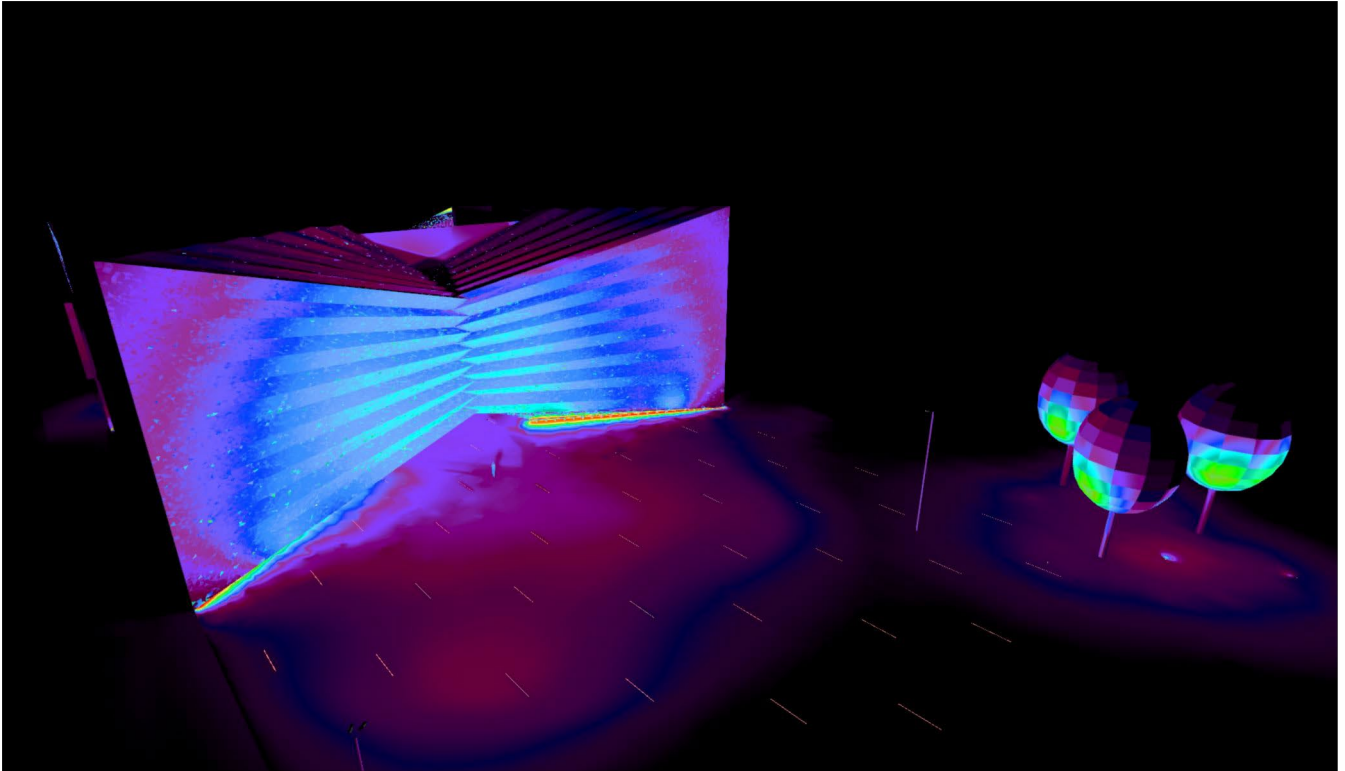


Imazhe



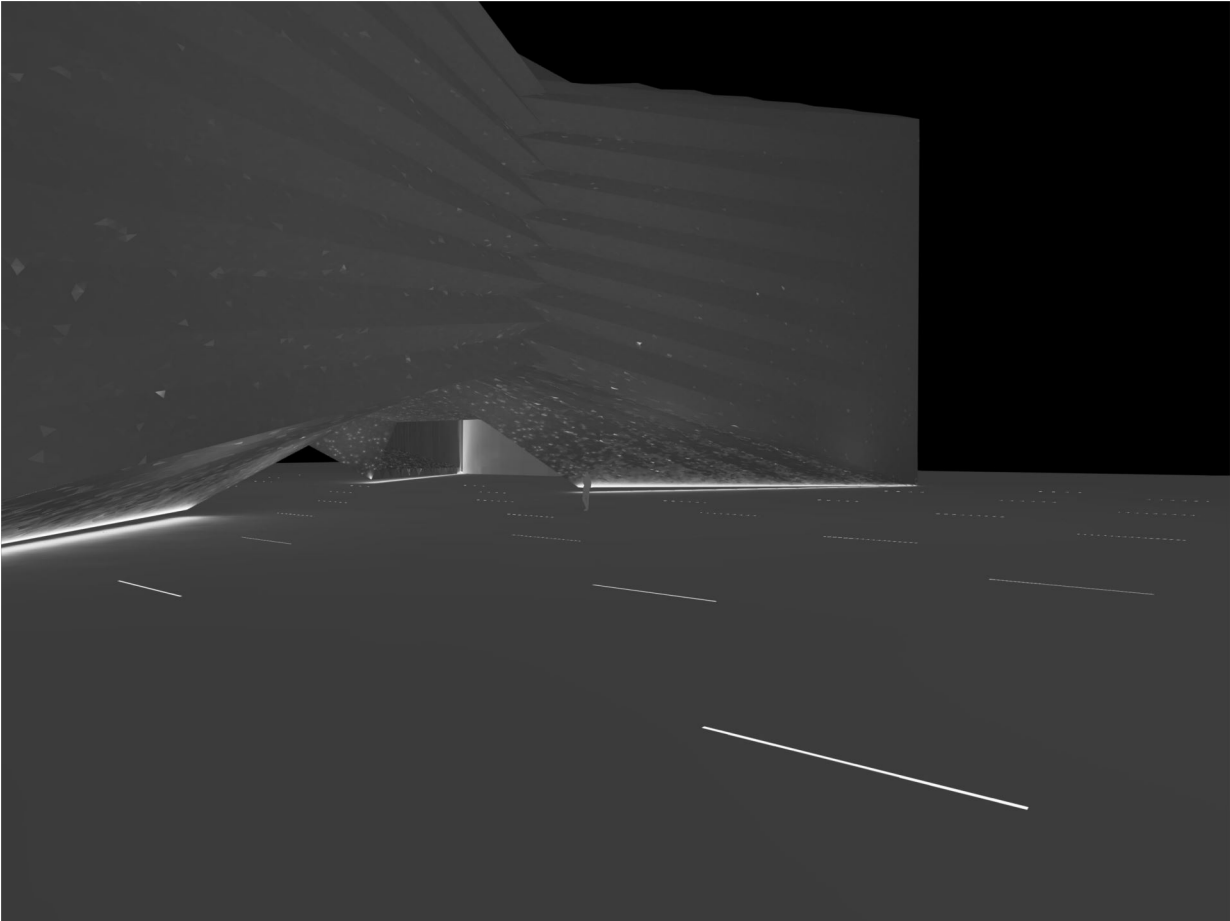
Pamja 01

Imazhe



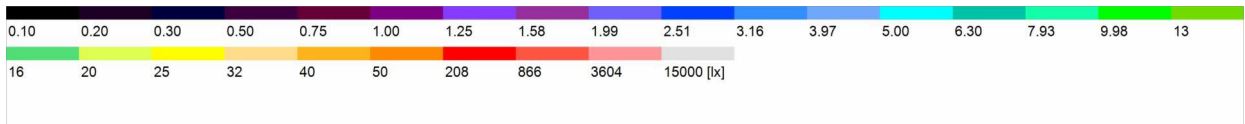
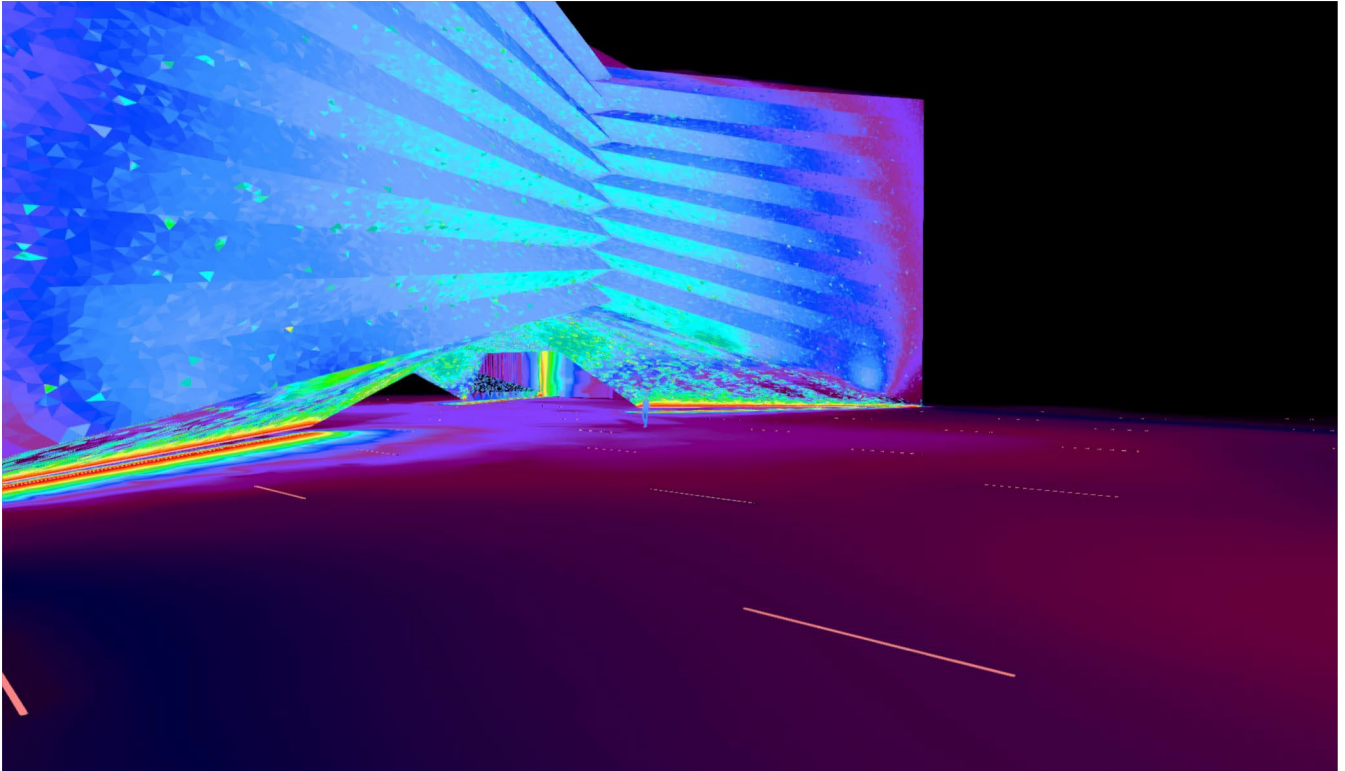
Pamje 01

Imazhe



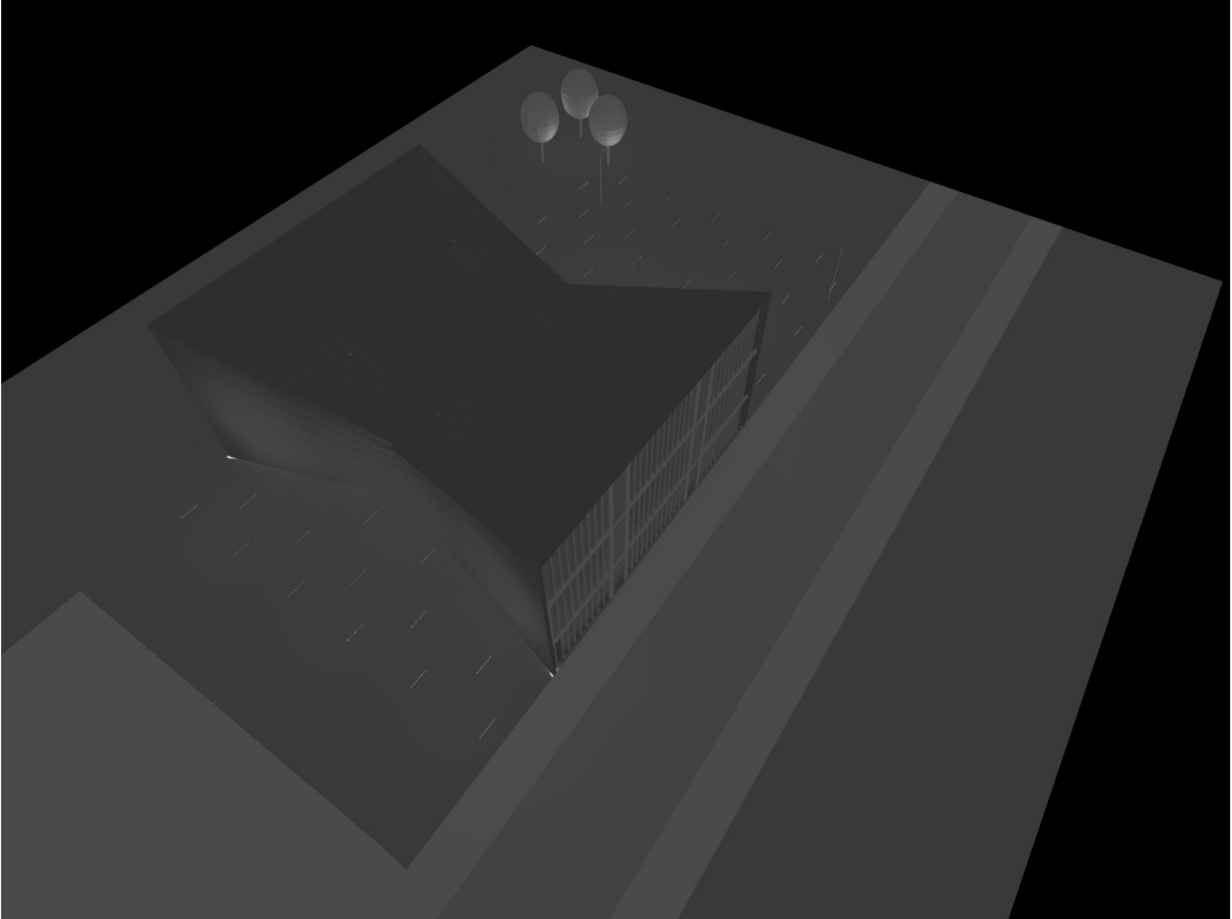
Pamje 02

Imazhe



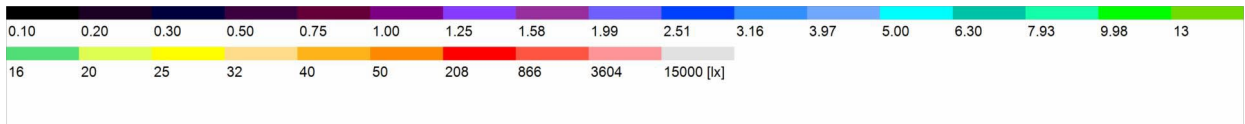
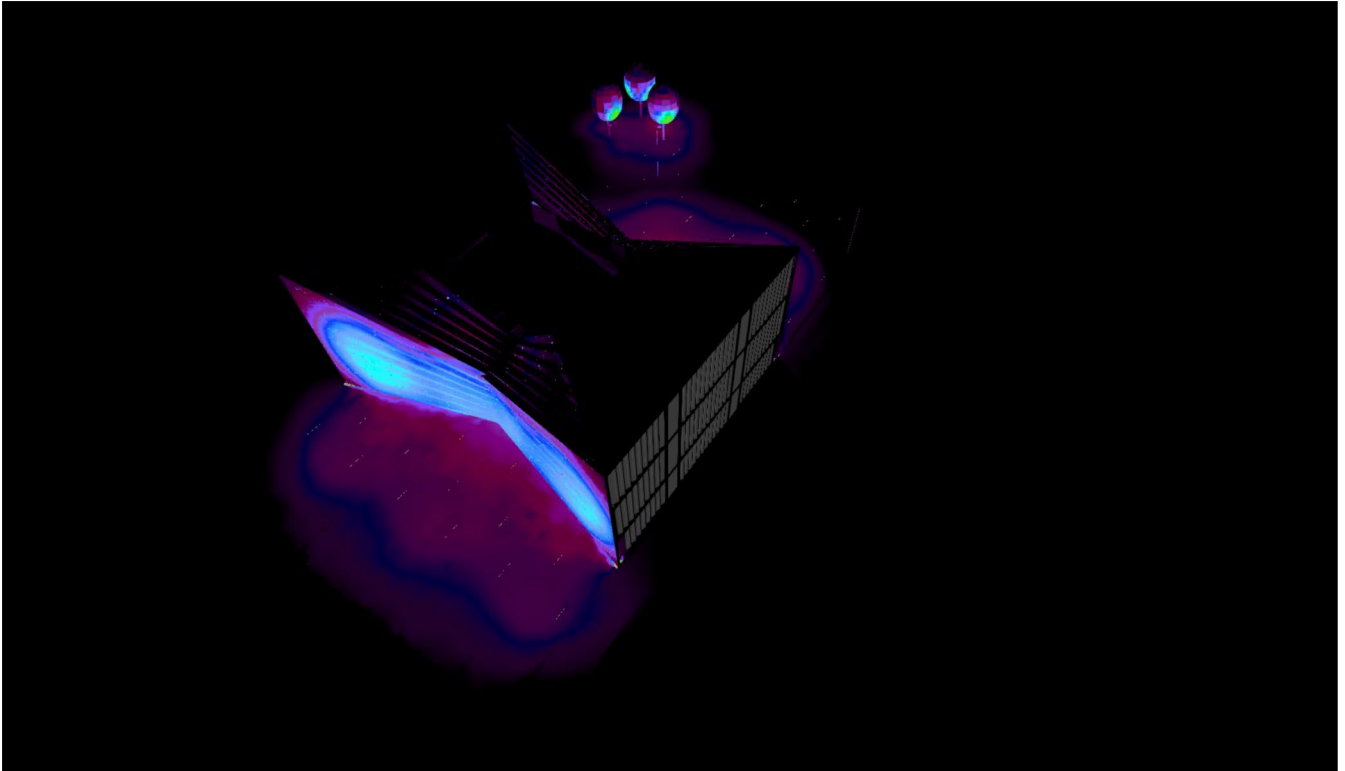
Pamje 02

Imazhe



Pamje 03

Imazhe



Pamje 03



SKENA

Permbajtja

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Detajet e produktit

Produkti - Aria Micro 2W IP65 3000K e bardhe (1x 3000K - Imax=174 cd/Klm - LED Flux=165 lm - LED FUQIA=2.3 W - Eff=34 % - EfcLED=72 lm/W - EfcLum=21 lm/W - Ra=80 min - SDCM=4 - Life=L70(10K)>60,500 ore)	4
DIALux - Sharp Refractive (1xRPN190466)	5
Linear_LDT _IT - Shirit- LED shirit, IP20 - 16 W (1x 007000039U30)	6

Area 1 - Edificio 1 - PiaNr 1

Auditori

Imazhe	7
Permbledhje	31
Permbledhje	33
Permbledhje	35
skenes	
Skena / te gjitha te ndezura / Ndricimi pingul	37
Ballkoni madh / te gjitha te ndezura / Ndricimi pingul	38
Auditori / te gjitha te ndezura / Ndricimi pingul	39
Ballkoni madh / te gjitha te ndezura / Ndricimi pingul	40
Auditori nesken / te gjitha te ndezura / Ndricimi pingul	
Ballkoni madh / te gjitha te ndezura / Ndricimi pingul	41
Auditori nesken / te gjitha te ndezura / Ndricimi pingul	42

Lista e ndricuesve

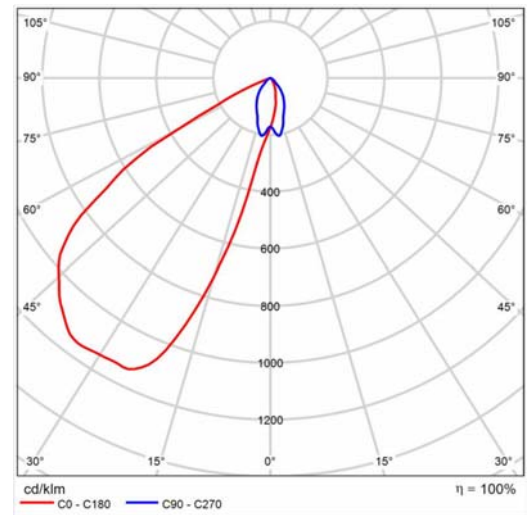
Φ_{totale} 517330 lm	P_{totale} 5020.9 W	Eficienca 103.0 lm/W
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Pz.	Prodhuesi	Artikulli Nr.	emri Artikulli	P	Φ	Eficienca
434		NL31019VT K006	Aria Micro 2W IP65 3000K e bardhe	2.7 W	57 lm	21.1 lm/W
91		RPN190466 simm		32.1 W	4190 lm	130.6 lm/W
58	LDT _IT	98636	LED shirit, IP20 - 16 W	16.0 W	1919 lm	119.9 lm/W

Skeda teknike e produktit

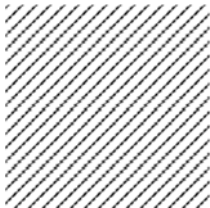
Aria Micro 2W IP65 3000K e bardhe

Artikulli Nr.	NL31019VTK006
P	2.7 W
$\Phi_{Ndricues}$	57 lm
$\Phi_{Ndricues}$	57 lm
η	100.00 %
Eficienta	21.1 lm/W
CCT	3000 K
CRI	80

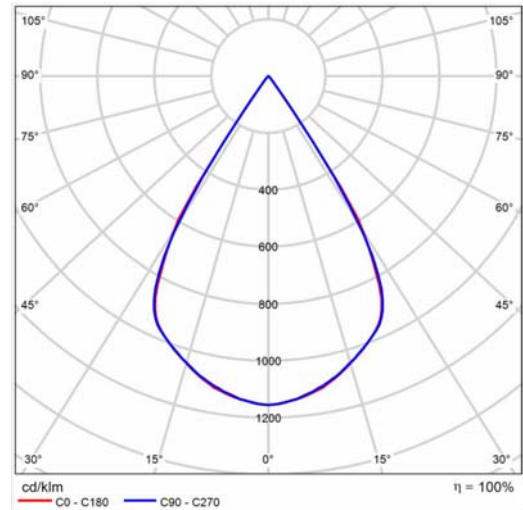


Skeda teknike e produktit

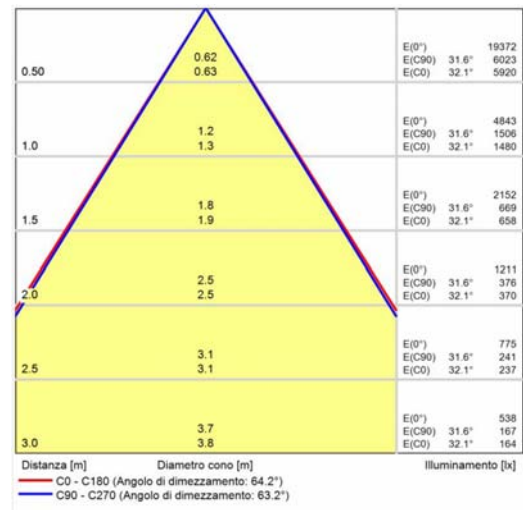
Thyerje e mprehte



Artikulli Nr.	RPN190466 simm
P	32.1 W
$\Phi_{Ndricues}$	4191 lm
$\Phi_{Ndricues}$	4190 lm
η	99.97 %
Eficenca	130.6 lm/W
CCT	3000 K
CRI	100



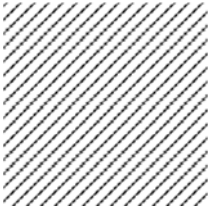
CDL



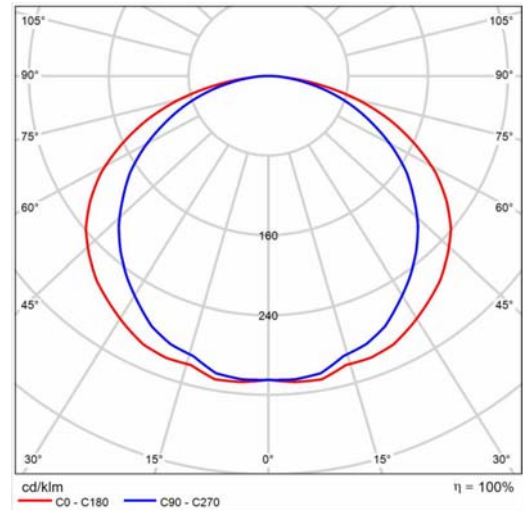
Diagrama

Skeda teknike e produktit

Ndricues linear_LDT .IT - LED shirit, IP20 - 16 W



Artikulli Nr.	98636
P	16.0 W
$\Phi_{Ndricues}$	1920 lm
$\Phi_{Ndricues}$	1919 lm
η	99.93 %
Eficienca	119.9 lm/W
CCT	3000 K
CRI	85

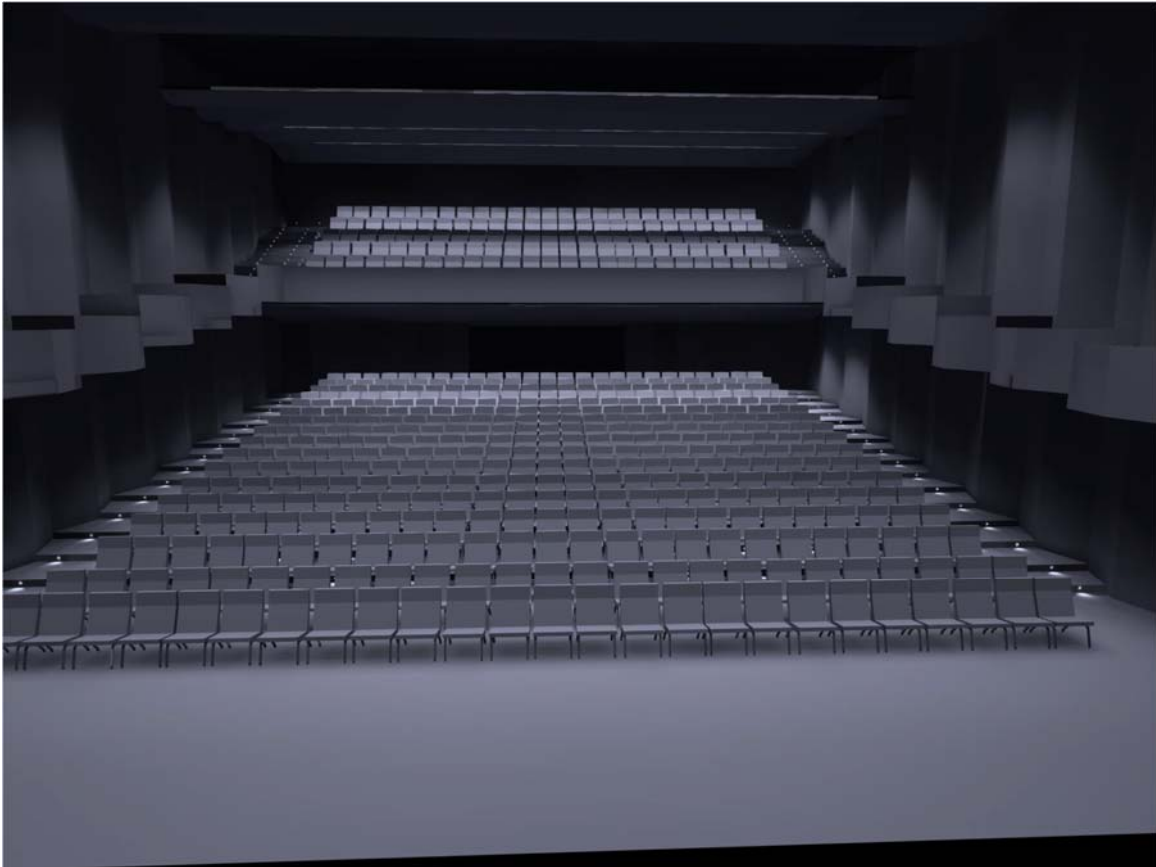


CDL

Valutazione di abbagliamento secondo UGR													
		70	70	50	50	30	70	70	50	50	30		
μ Soffitto		50	30	50	30	30	50	30	50	30	30		
μ Pareti		20	20	20	20	20	20	20	20	20	20		
μ Pavimento		20	20	20	20	20	20	20	20	20	20		
Lampadare del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade						
X	Y	2H	3H	4H	6H	8H	12H	2H	3H	4H	6H	8H	12H
2H	2H	28.3	29.7	28.6	29.9	30.2	26.9	28.3	27.2	28.6	28.8	28.8	
	3H	30.2	31.5	30.5	31.7	32.0	28.5	29.8	28.8	30.1	30.3	30.3	
	4H	31.0	32.2	31.3	32.5	32.8	29.1	30.4	29.5	30.6	30.9	30.9	
	6H	31.5	32.7	31.9	33.0	33.3	29.6	30.7	30.0	31.0	31.4	31.4	
	8H	31.7	32.8	32.1	33.1	33.4	29.7	30.8	30.1	31.2	31.5	31.5	
	12H	31.8	32.8	32.2	33.2	33.5	29.8	30.9	30.2	31.2	31.6	31.6	
4H	2H	28.8	30.1	29.2	30.3	30.6	27.8	29.0	28.2	29.3	29.6	29.6	
	3H	31.0	32.0	31.3	32.3	32.7	29.6	30.6	29.9	30.9	31.3	31.3	
	4H	31.9	32.8	32.3	33.2	33.6	30.3	31.3	30.7	31.6	32.0	32.0	
	6H	32.6	33.4	33.0	33.8	34.2	30.9	31.7	31.3	32.1	32.5	32.5	
	8H	32.8	33.6	33.3	34.0	34.4	31.1	31.9	31.5	32.2	32.7	32.7	
	12H	32.9	33.7	33.4	34.1	34.5	31.2	31.9	31.7	32.3	32.8	32.8	
8H	4H	32.1	32.9	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.3	32.3	
	6H	33.0	33.6	33.4	34.0	34.5	31.5	32.1	31.9	32.5	33.0	33.0	
	8H	33.3	33.8	33.6	34.3	34.8	31.7	32.3	32.2	32.7	33.2	33.2	
	12H	33.5	34.0	34.0	34.4	34.9	31.9	32.4	32.4	32.9	33.4	33.4	
12H	4H	32.1	32.8	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.4	32.4	
	6H	33.0	33.6	33.5	34.0	34.5	31.6	32.1	32.0	32.6	33.0	33.0	
	8H	33.4	33.8	33.9	34.3	34.8	31.9	32.4	32.4	32.8	33.3	33.3	
Variazione della posizione dell'osservatore per le distanze delle lampade S													
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1						
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3						
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7						
Tabella standard		BK07					BK06						
Addendo di correzione		16.5					14.5						
Indici di abbagliamento corretti riferiti a 1920lm Flusso luminoso sferico													

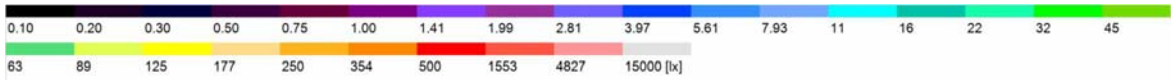
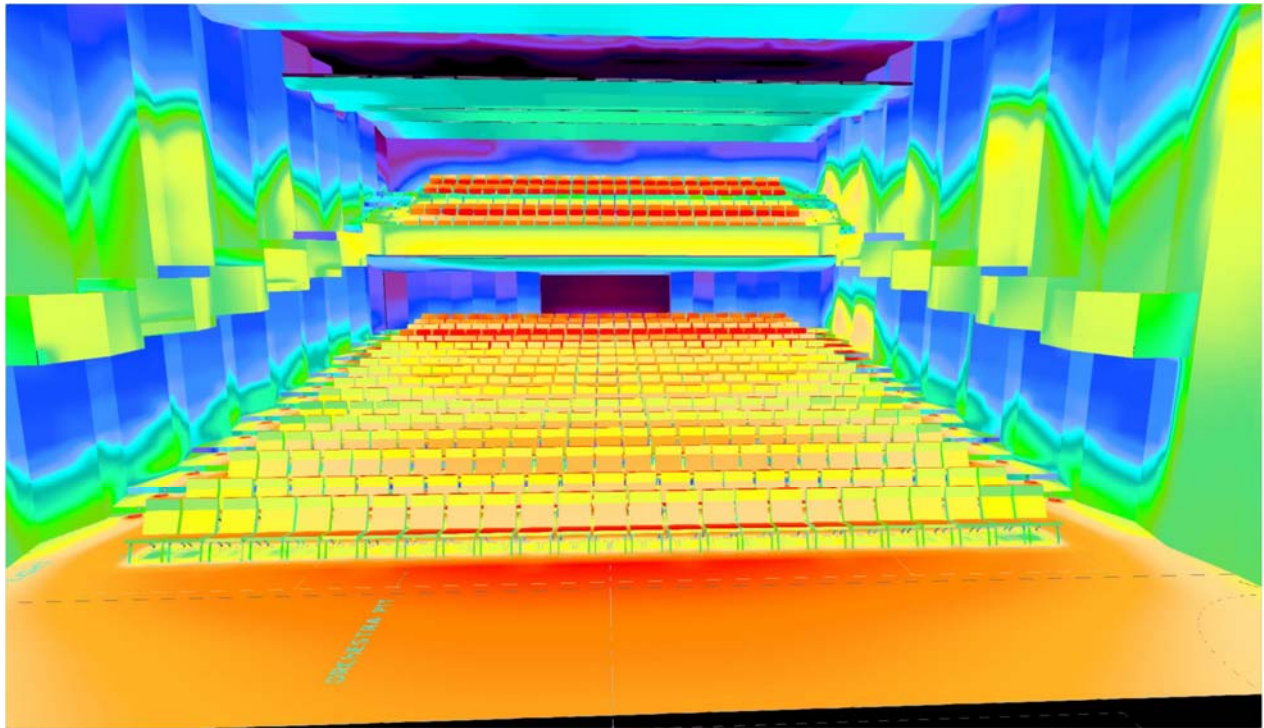
Diagrama UGR (SHR: 0.25)

Imazh

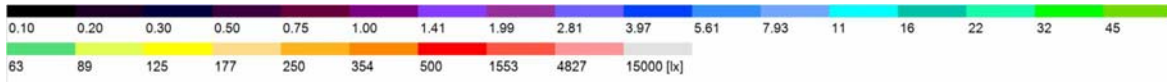
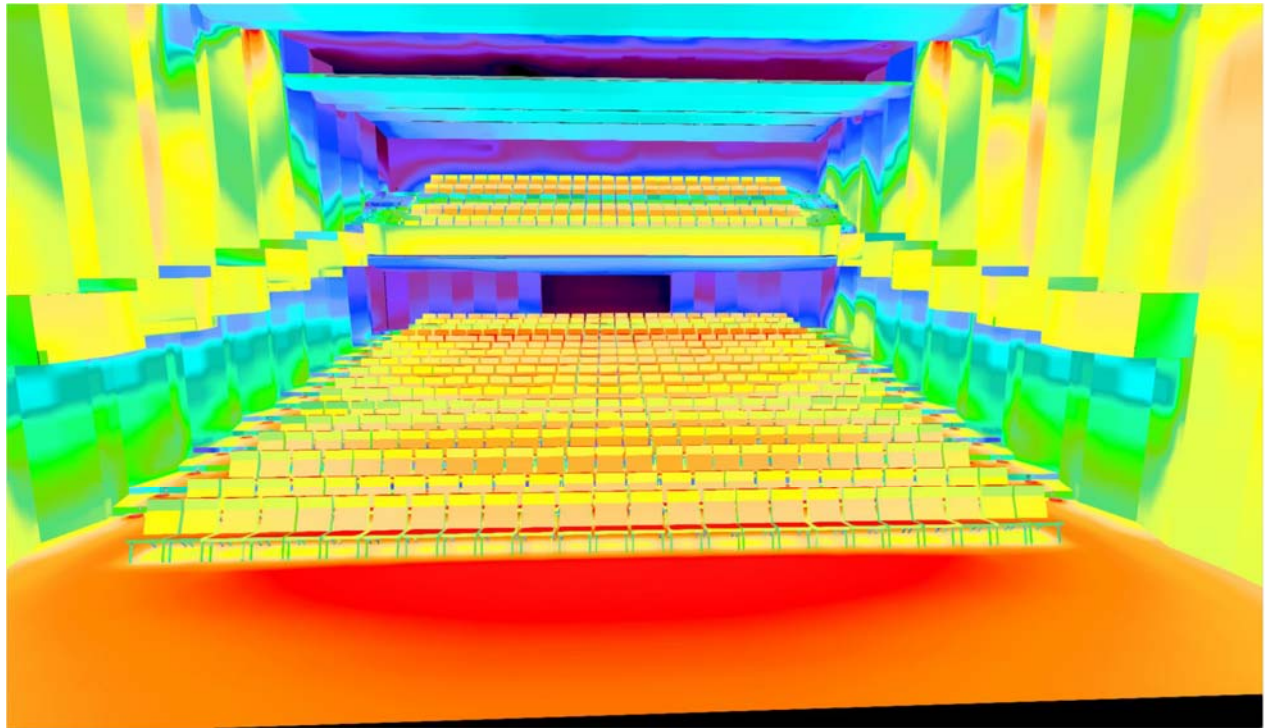


01

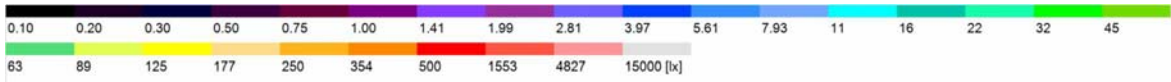
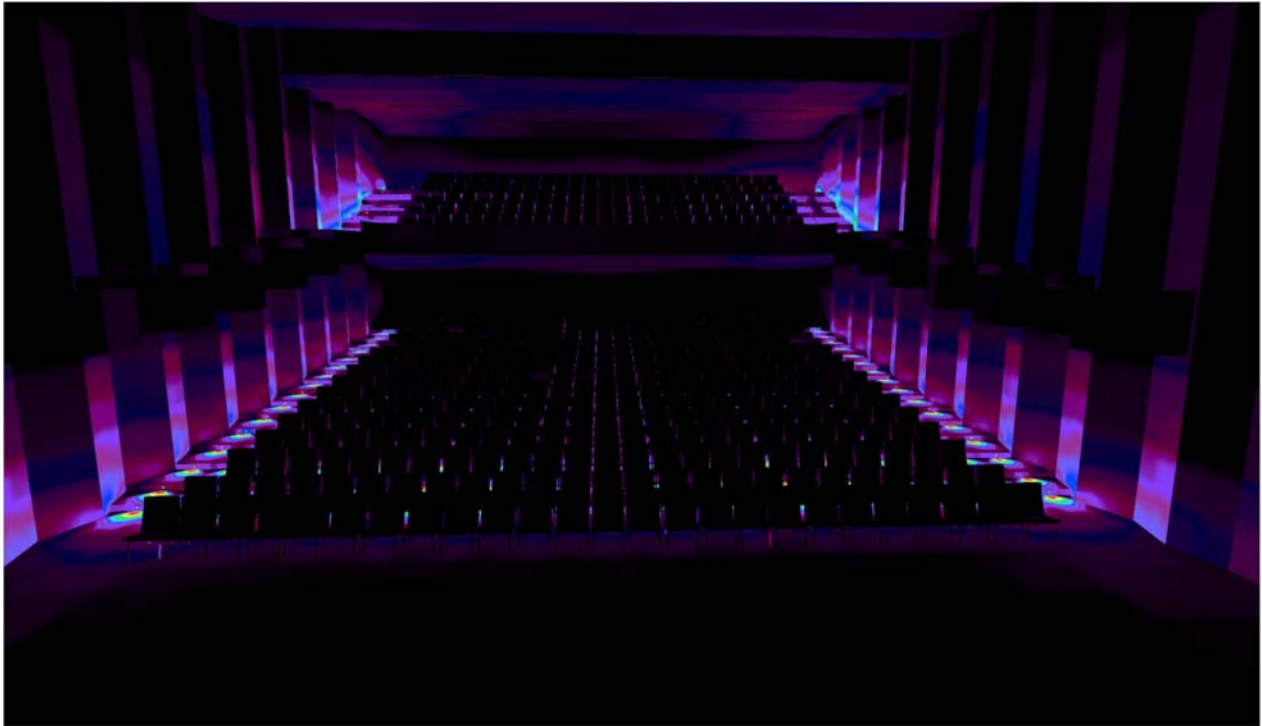
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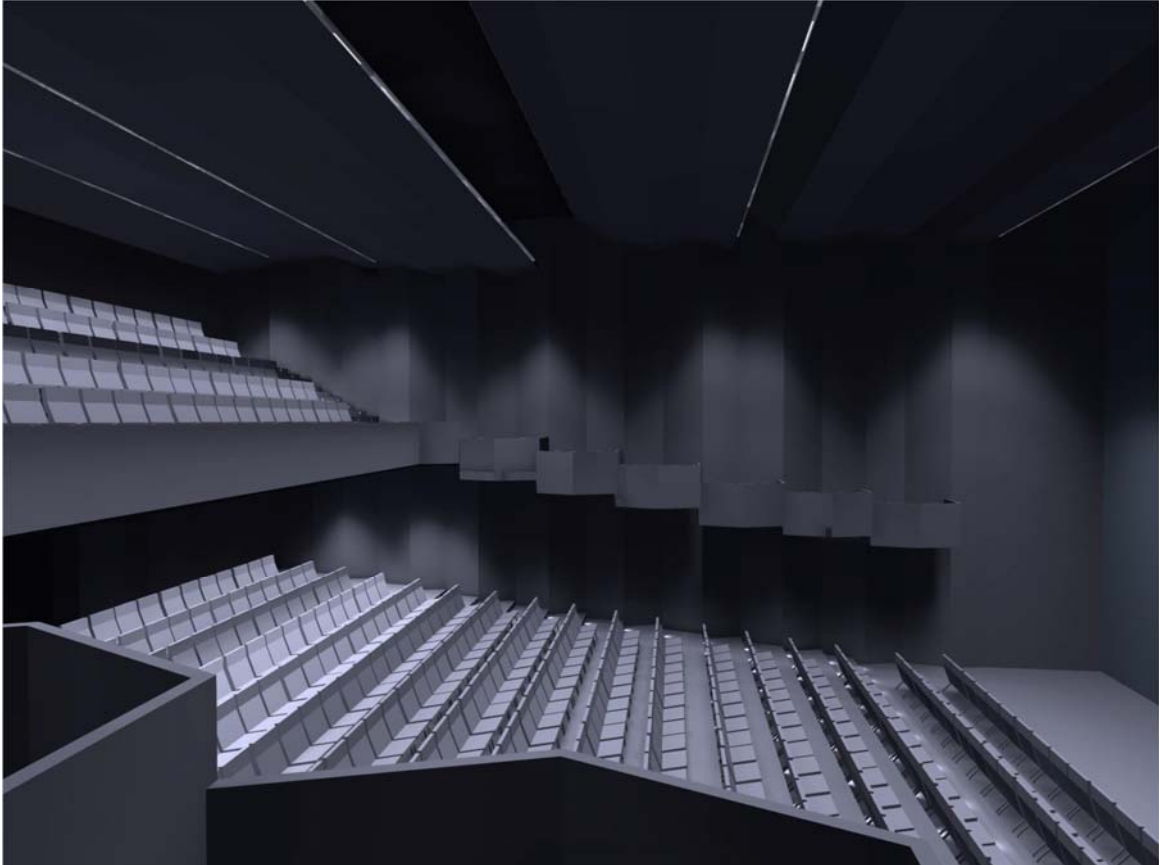
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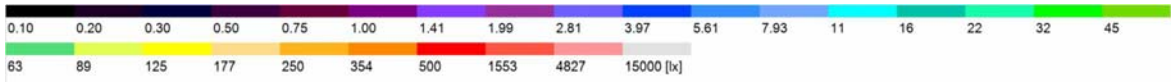
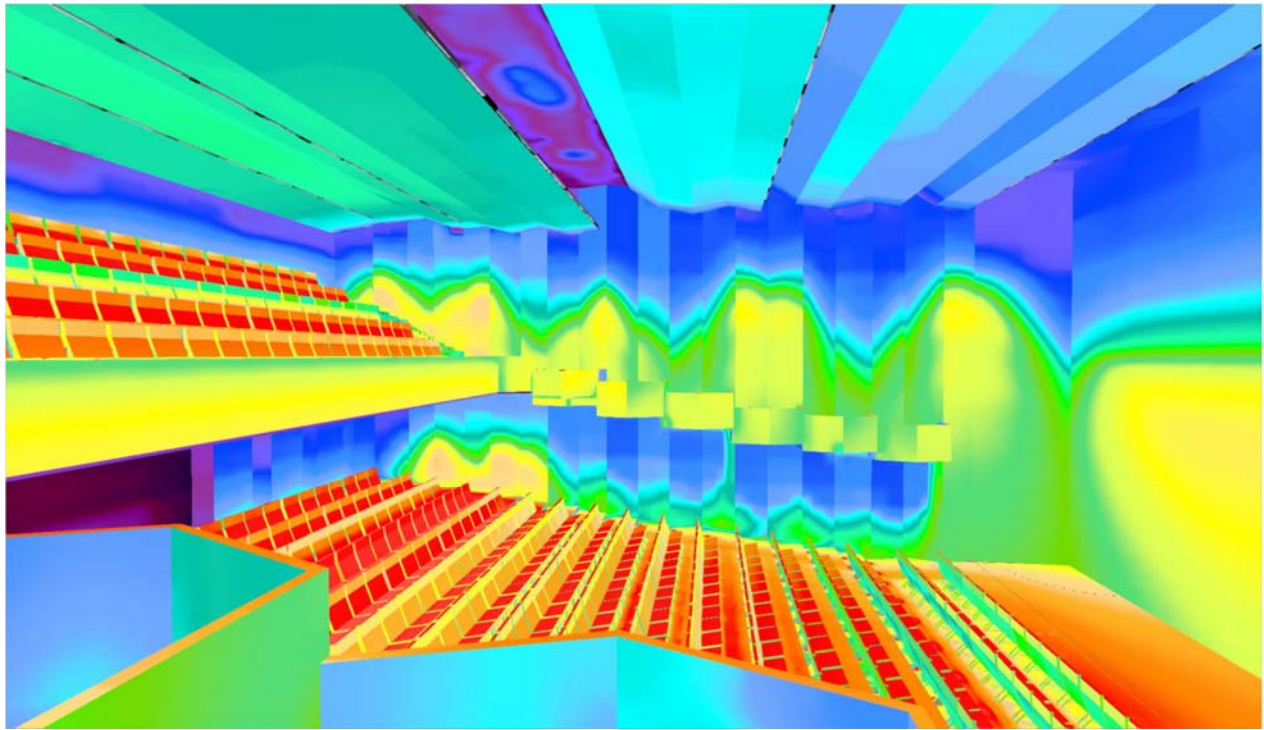
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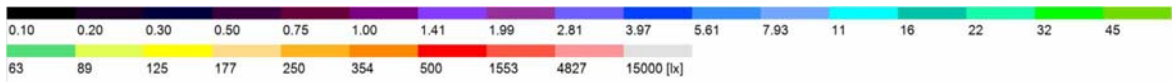
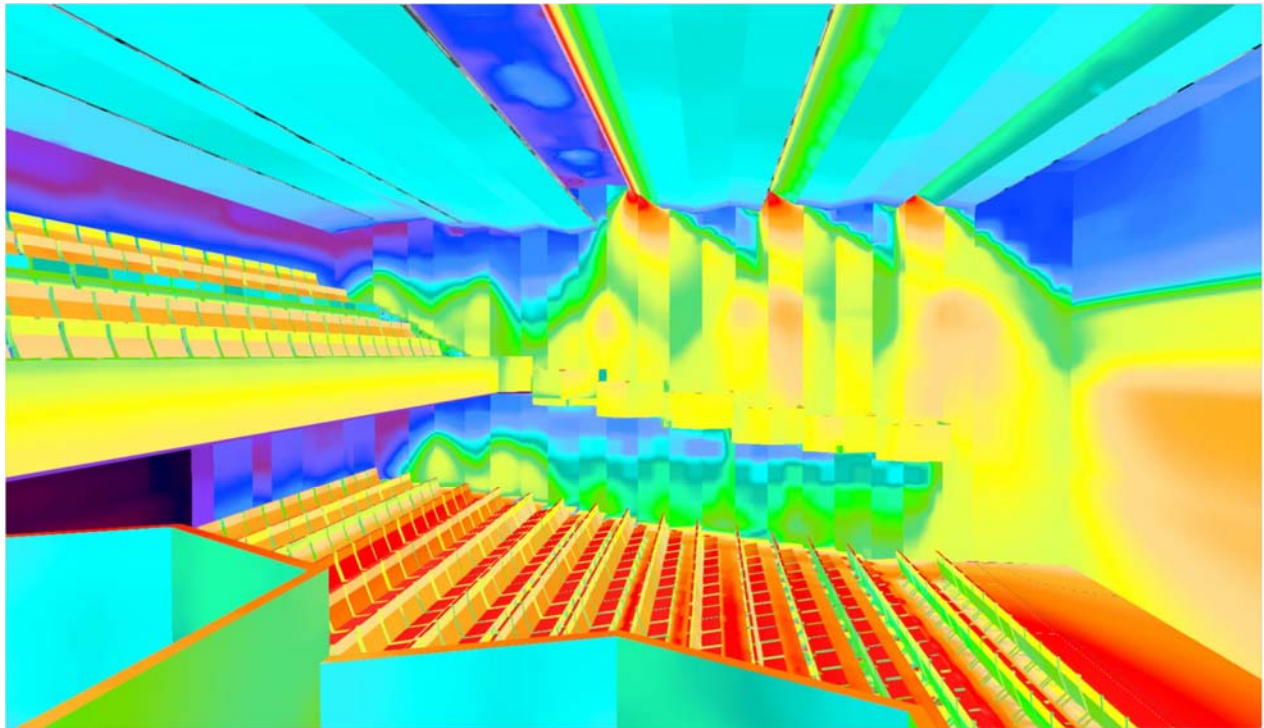
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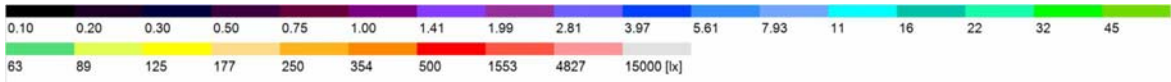
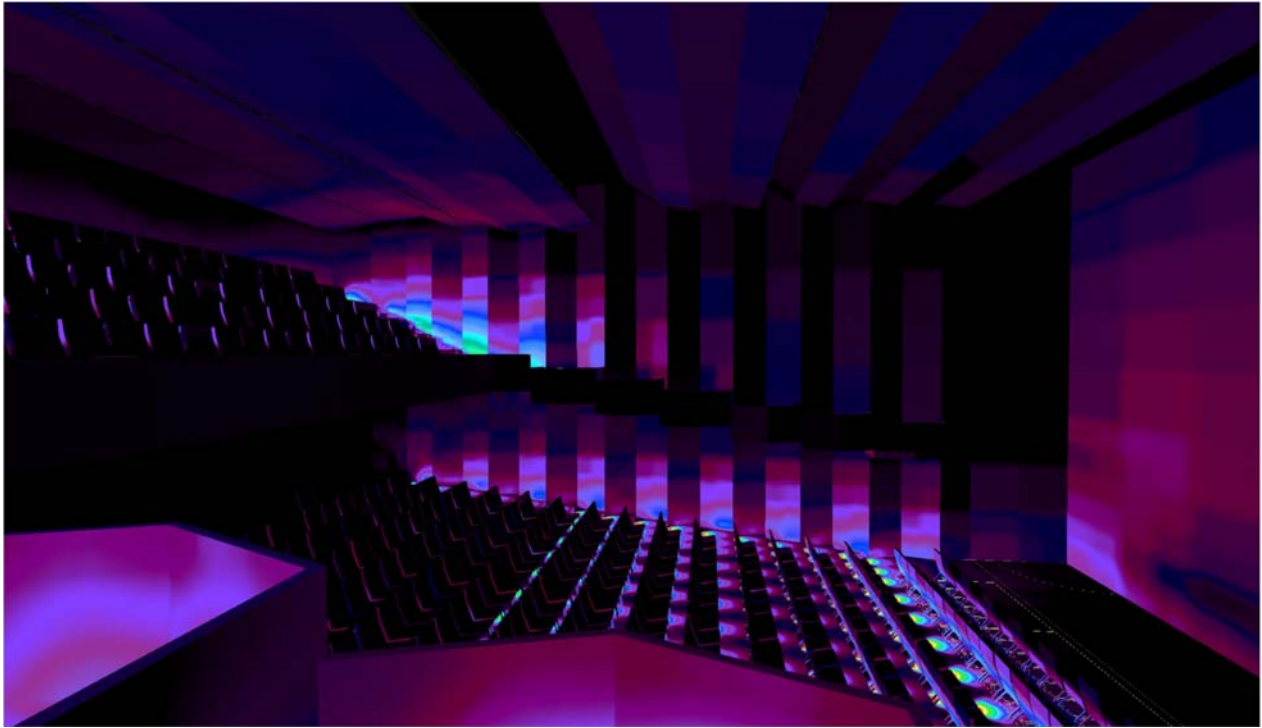
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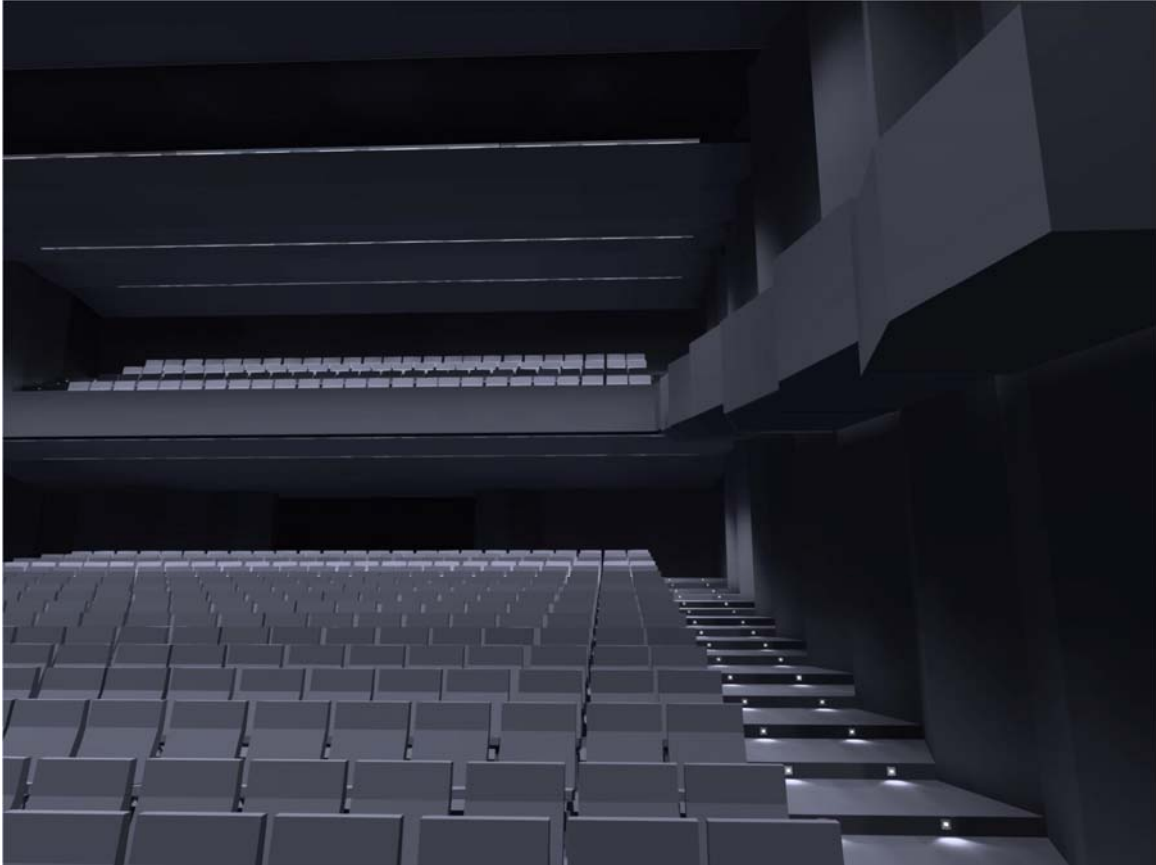
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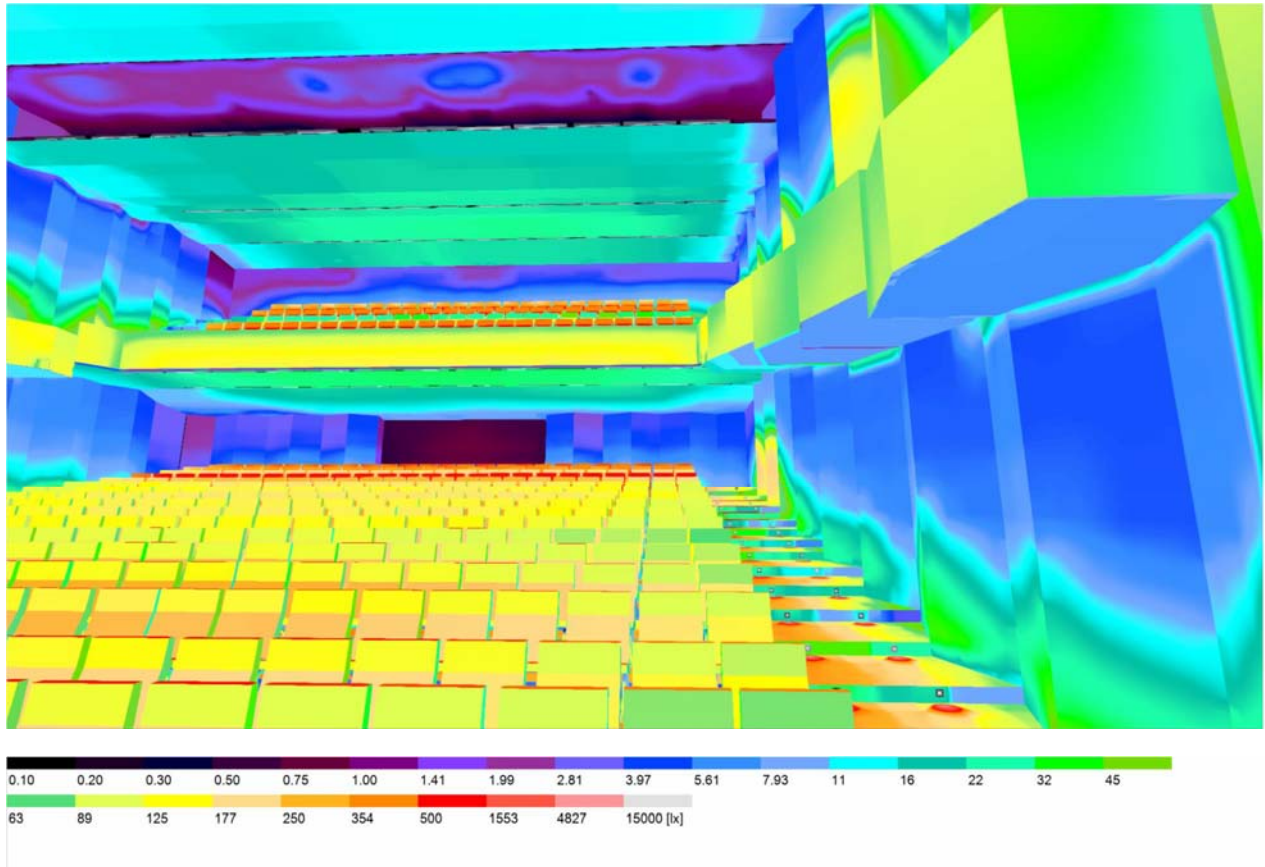
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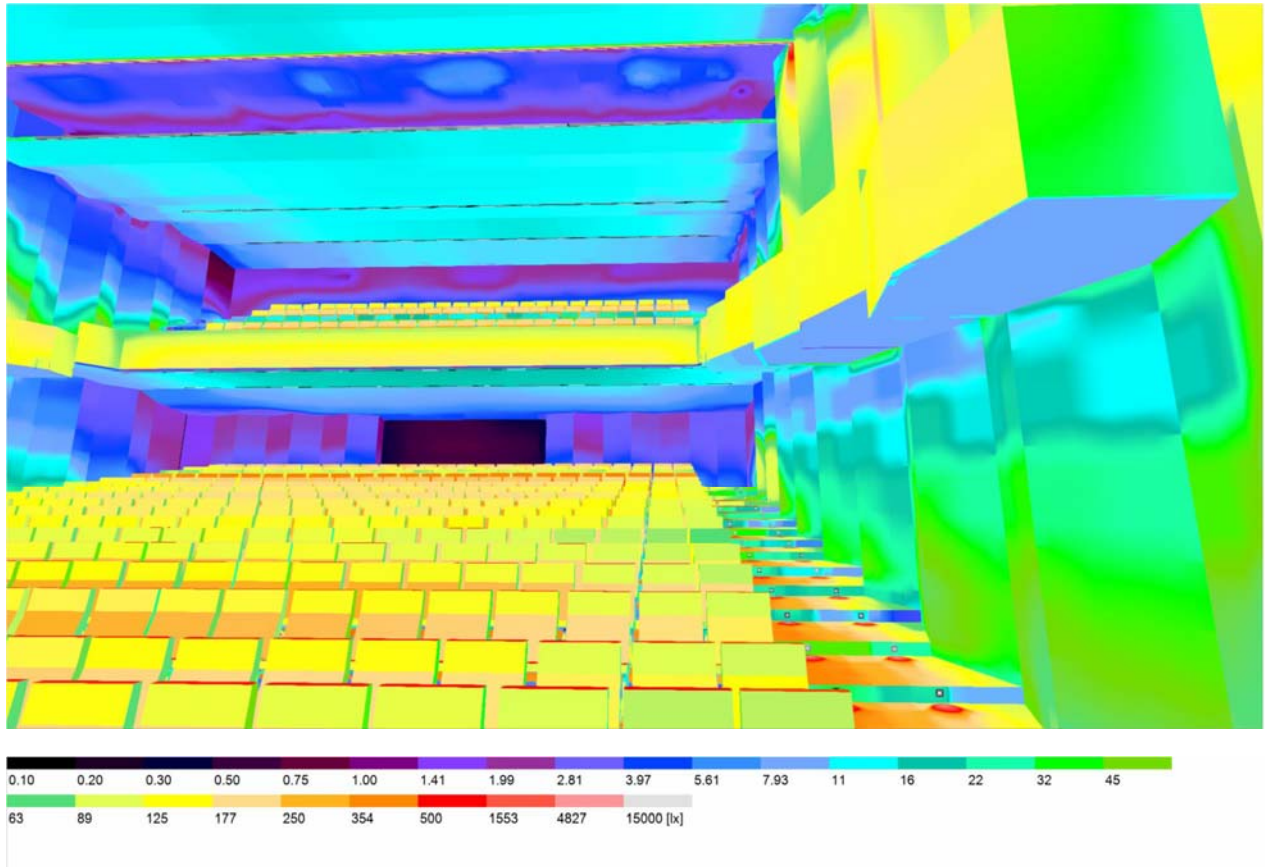
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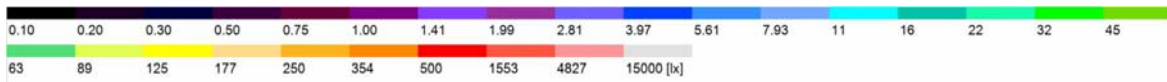
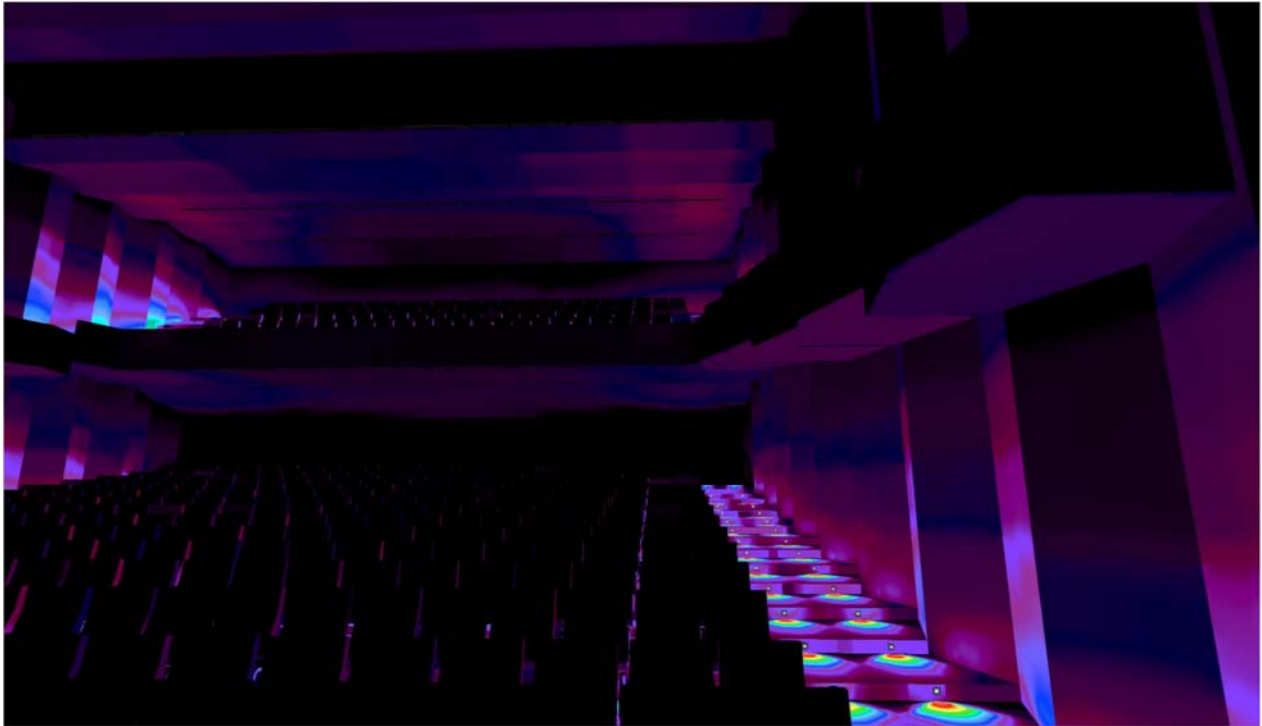
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Imazh



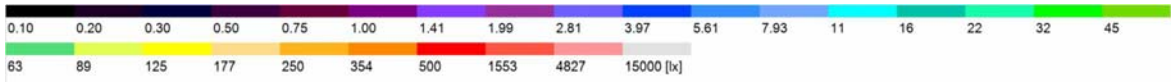
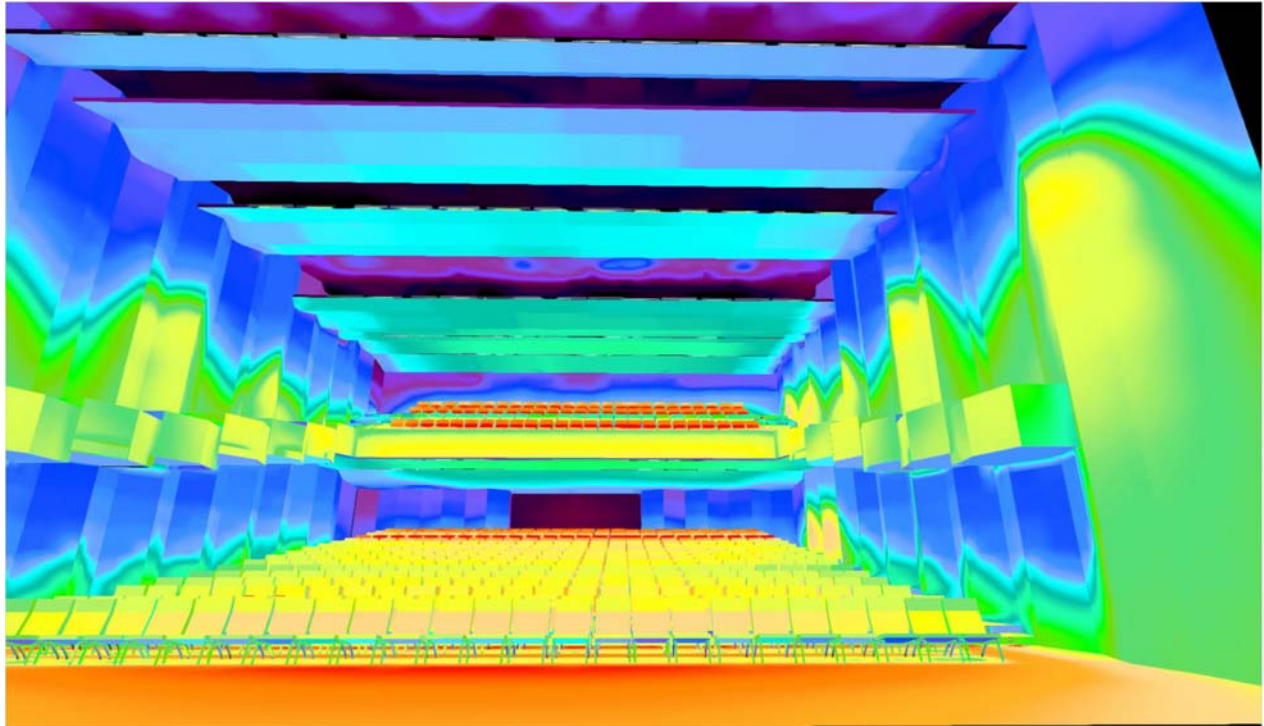
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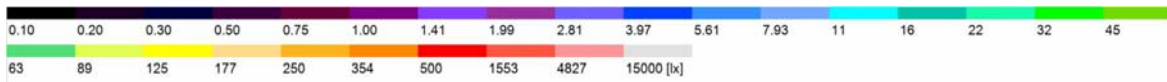
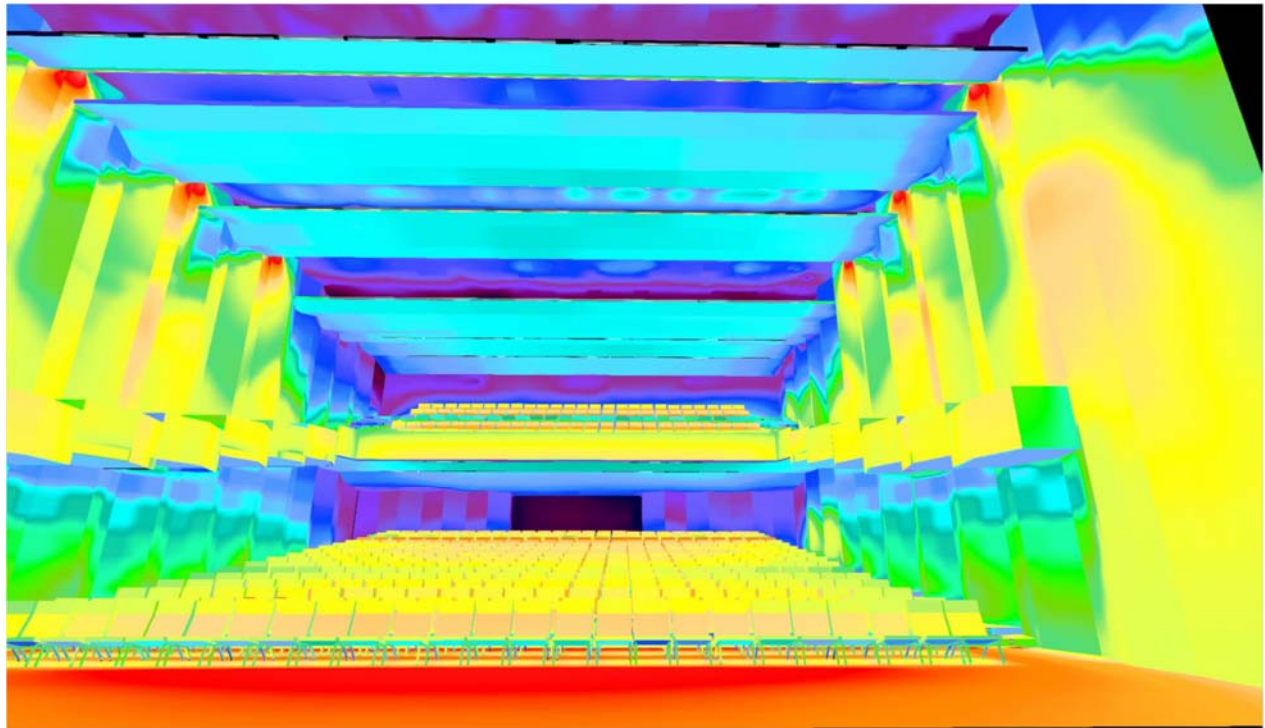
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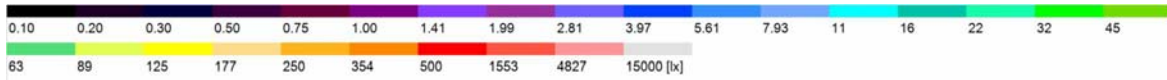
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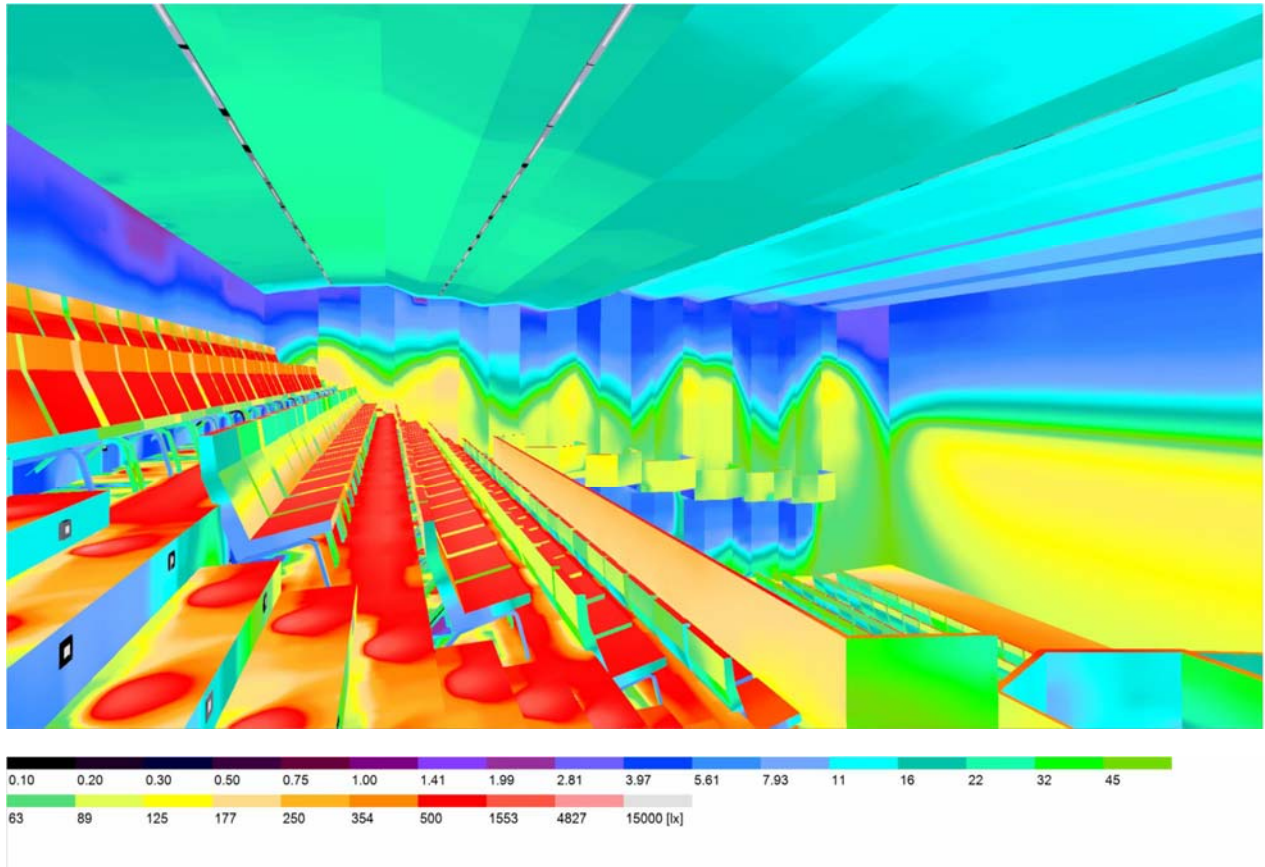
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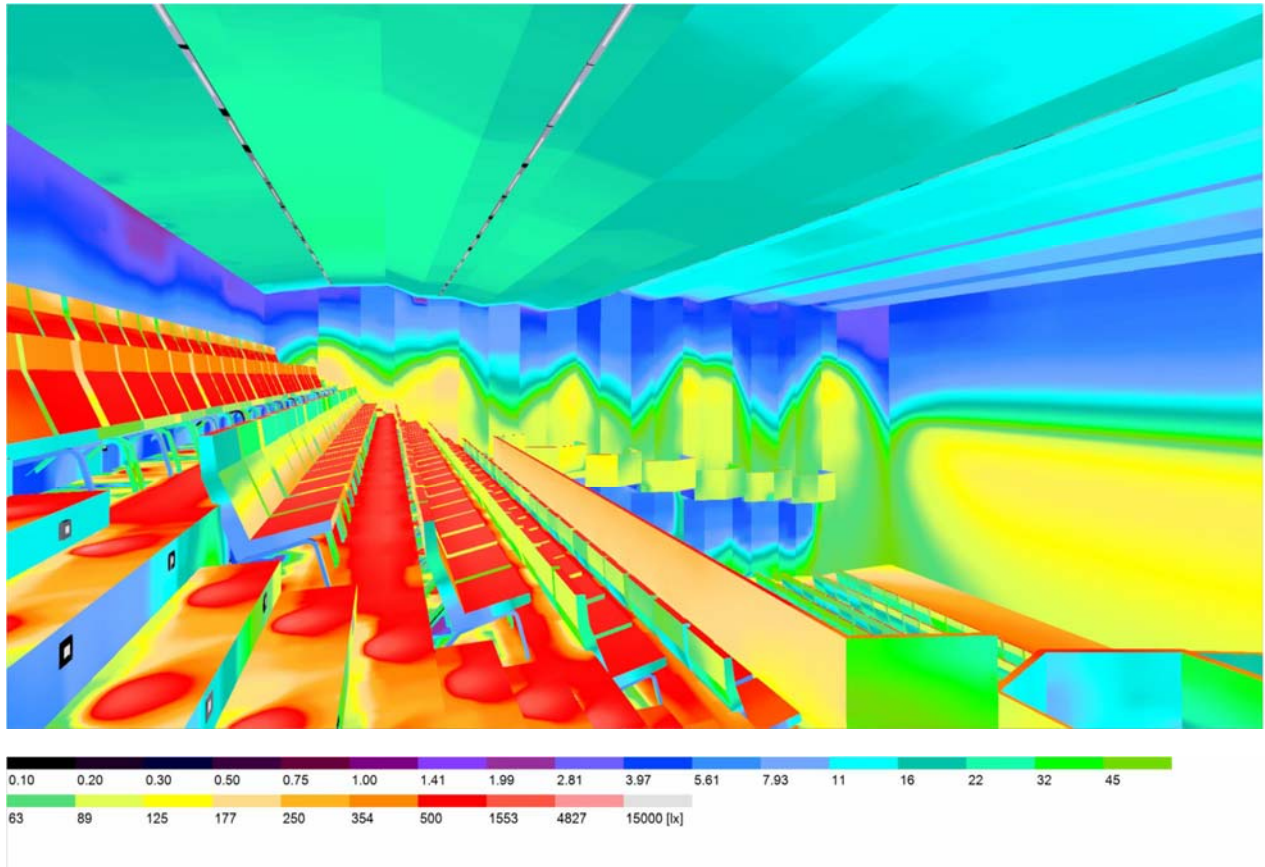
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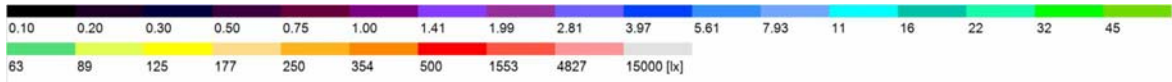
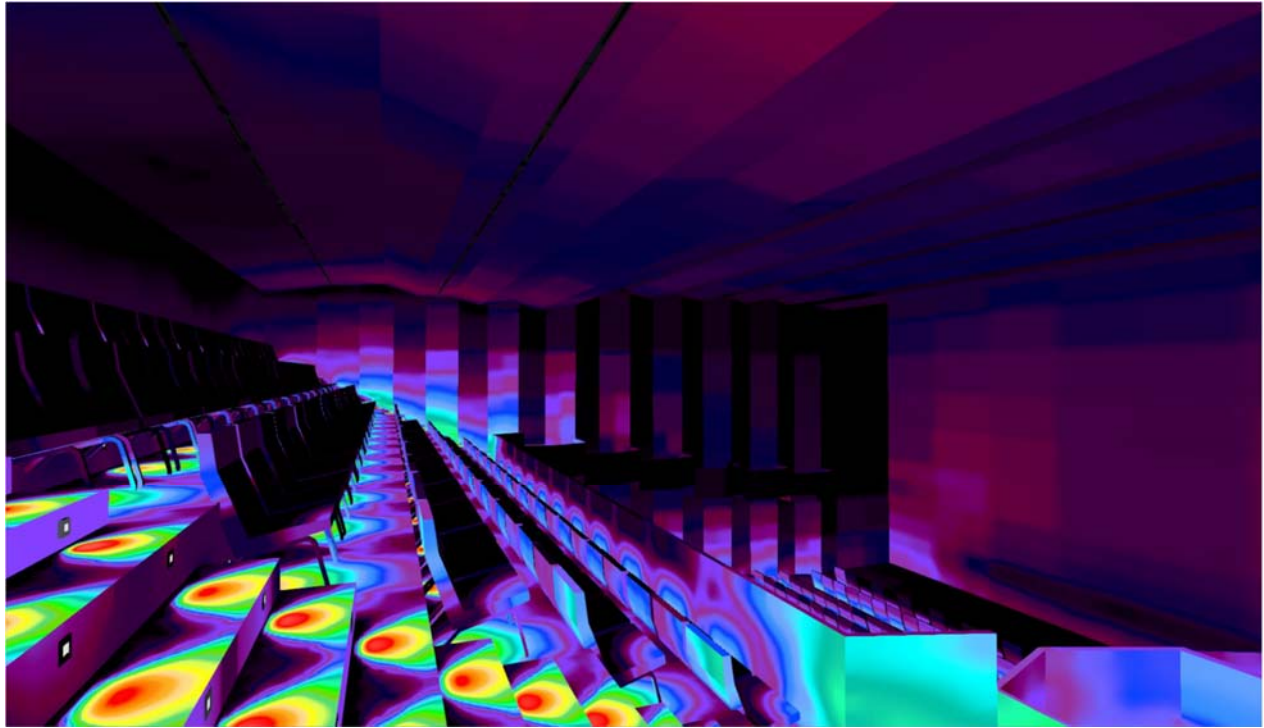
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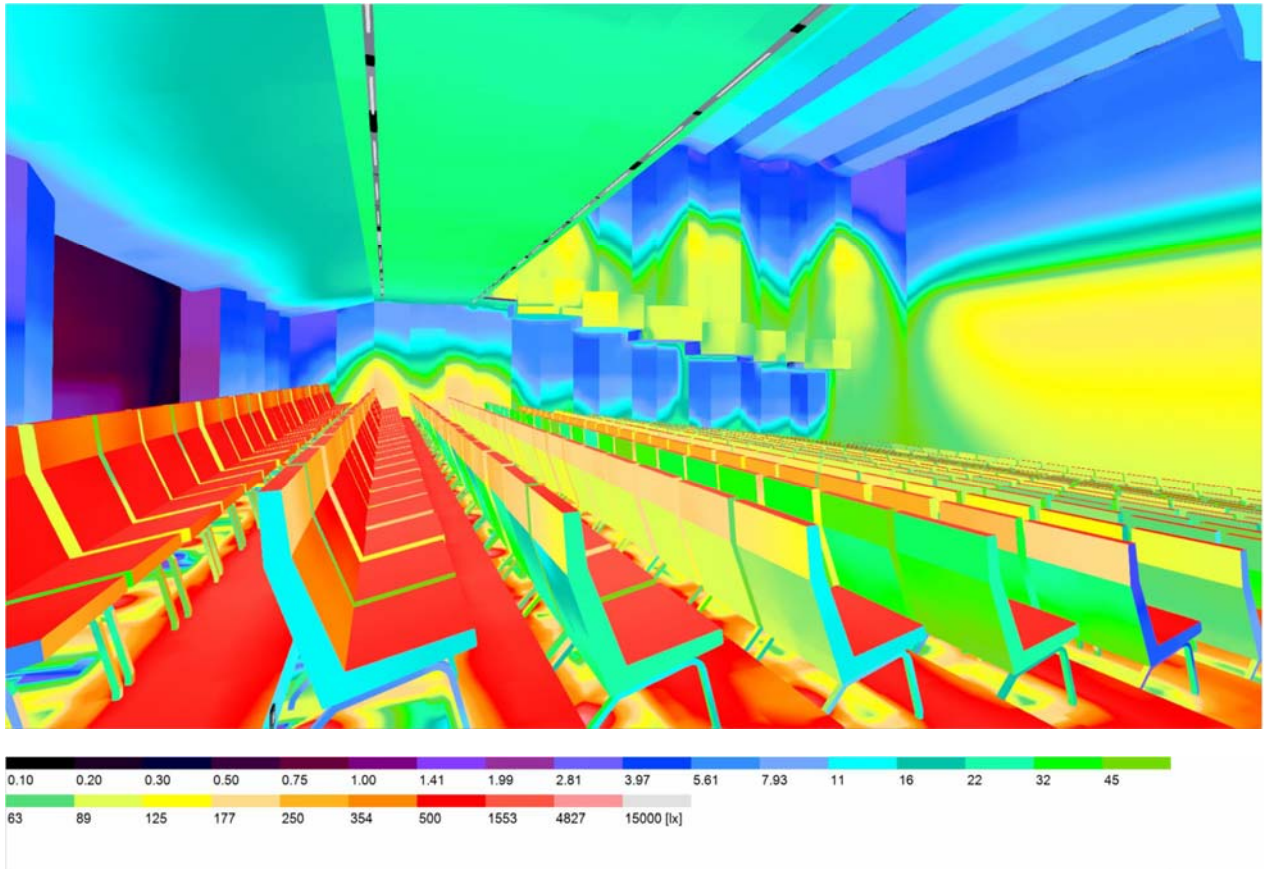
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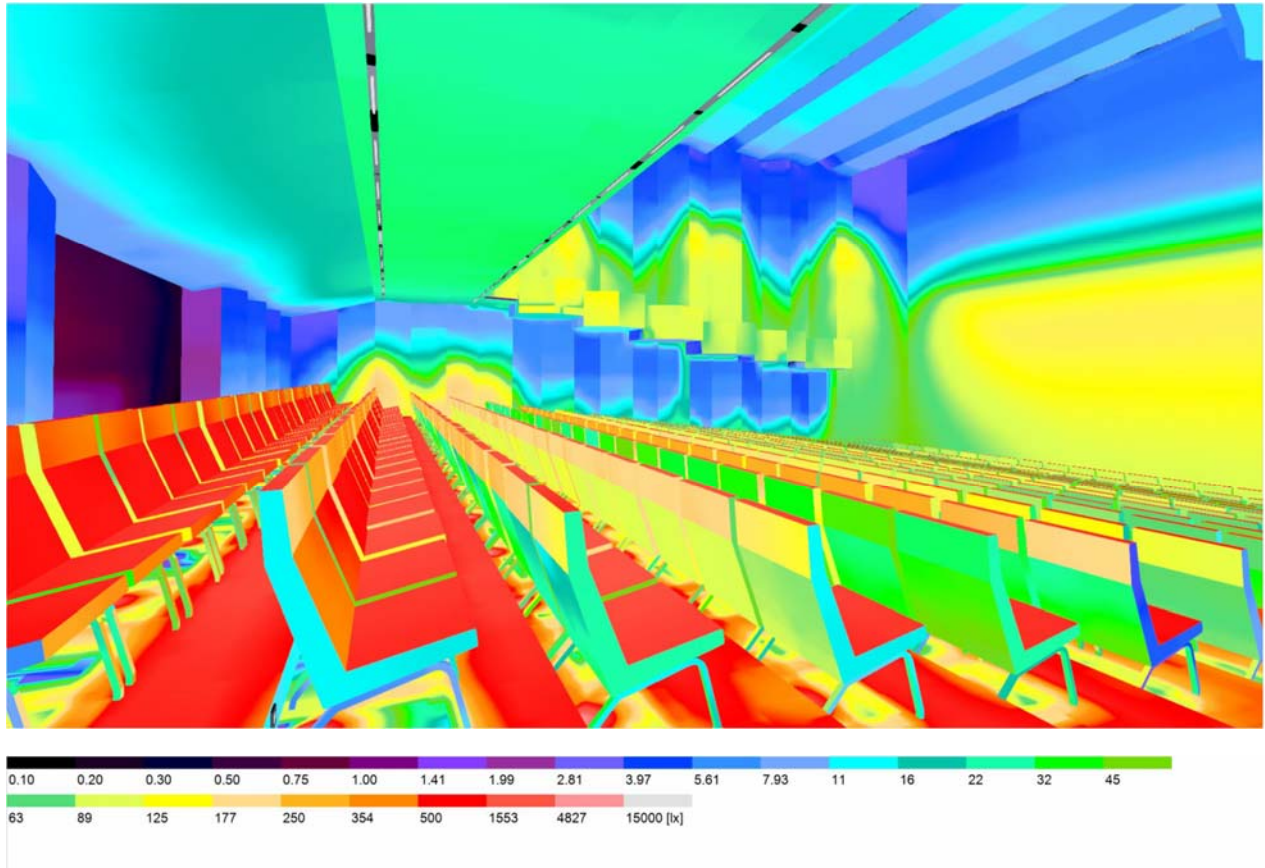


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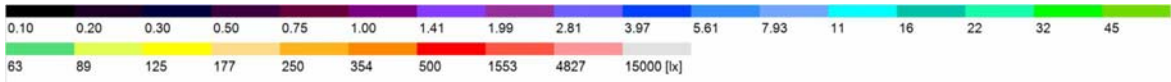
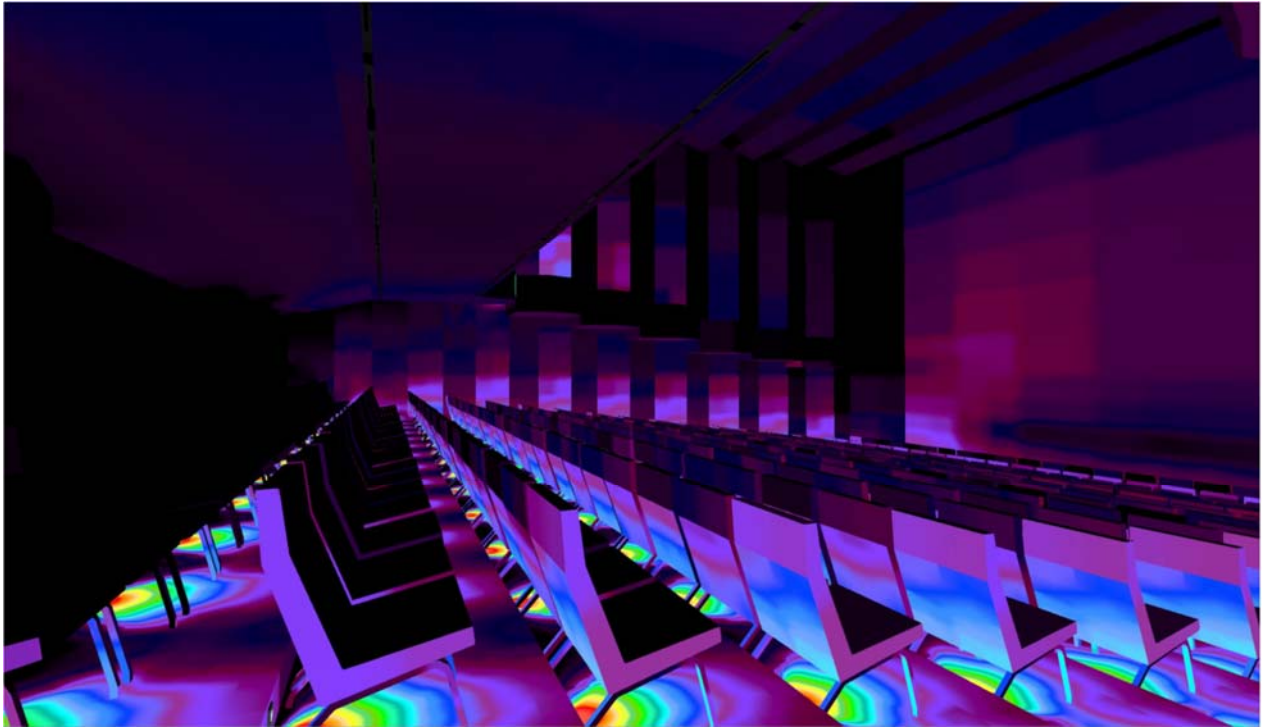


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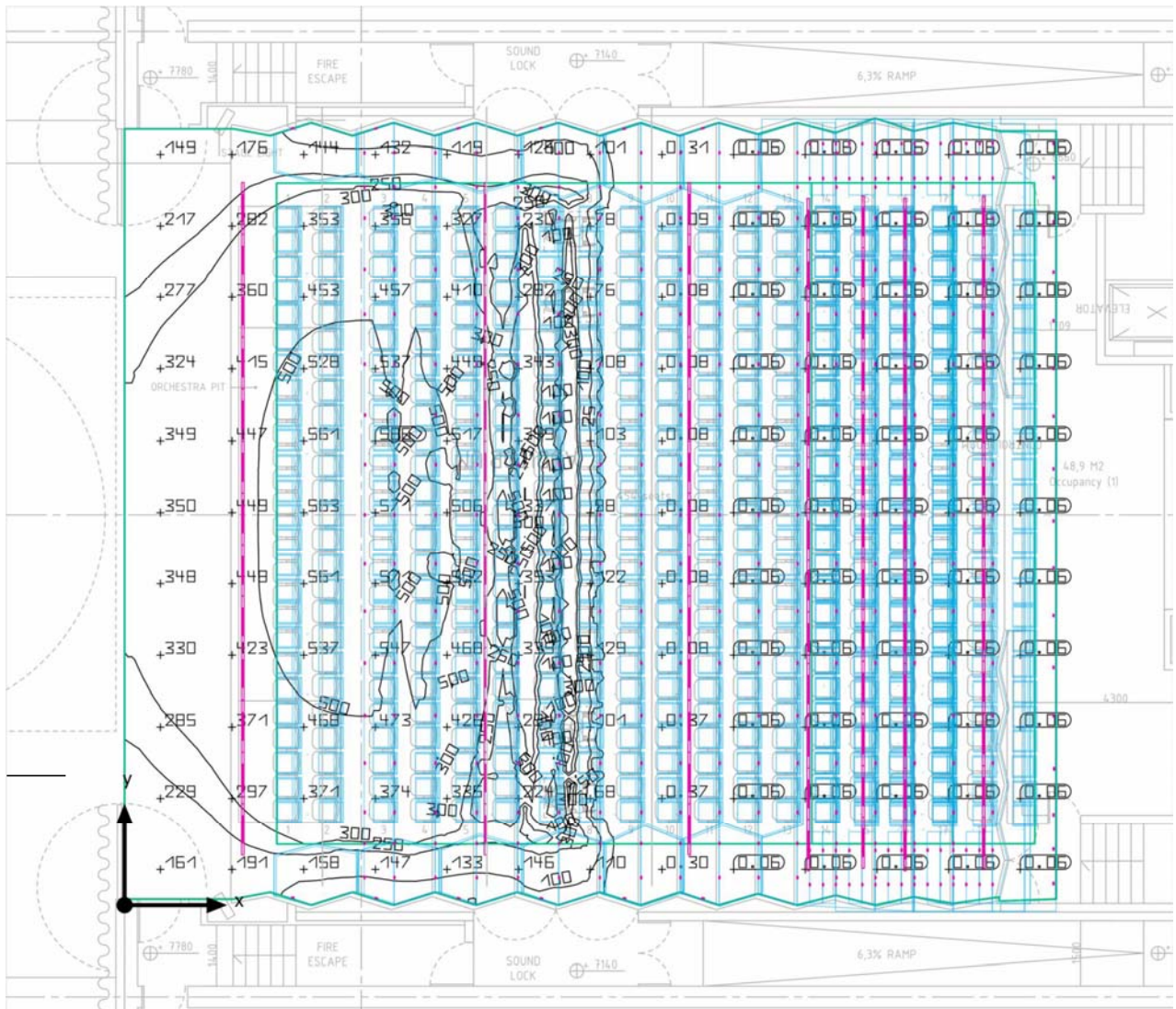


Imazh



Ndërtesa 1 • Kati 1 • Auditori

Permbledhje



Ndërtesa 1 • Kati 1 • Auditori

Permbledhje

Rezultati

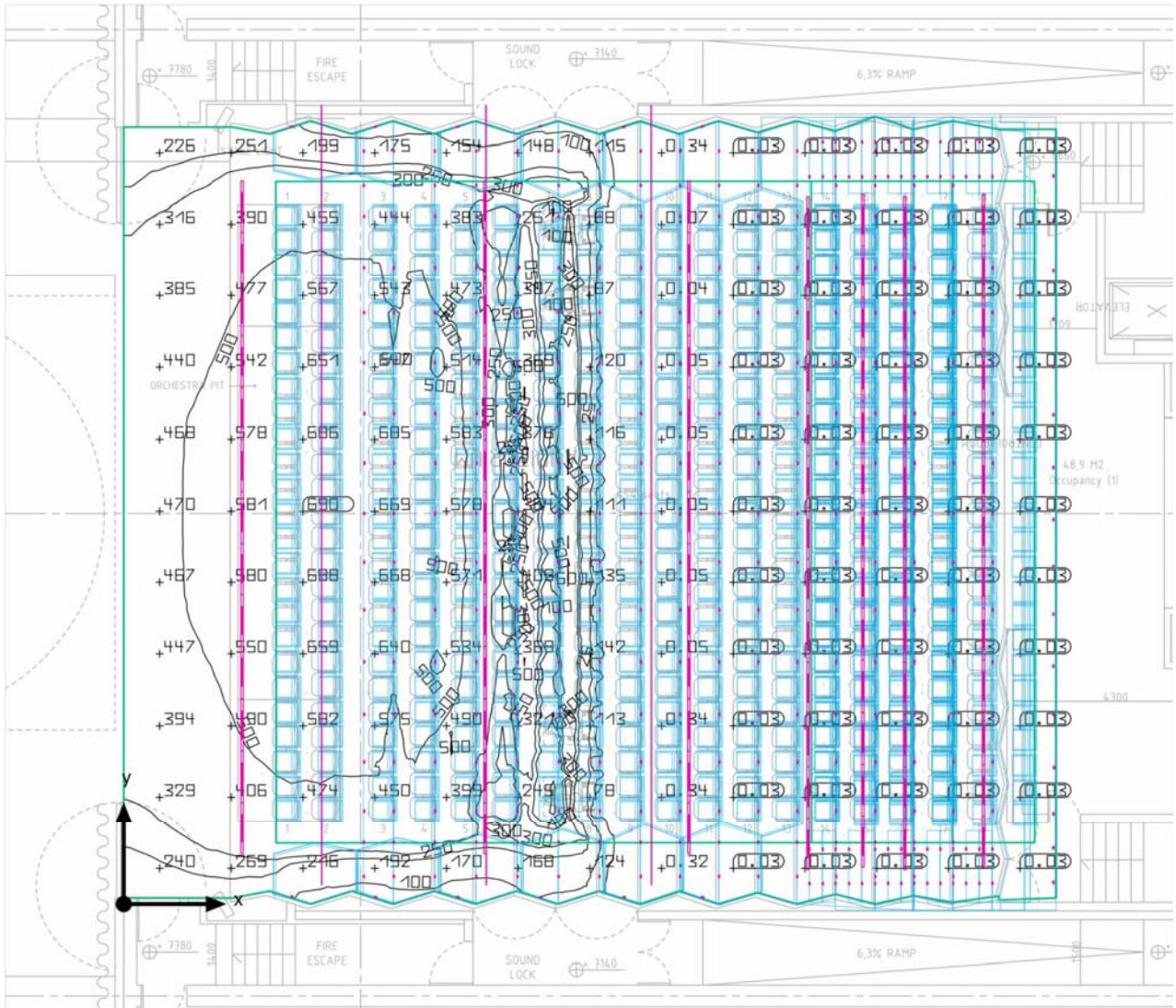
	Njësi	Llogaritje	Nrrmativa	OK
Zona e përdorshme	Ë	173 lx	≥ 500 lx	✗
	g ₁	0.000	-	-
Vlerat e konsumit	Konsumi	7900 kWh/a	max. 13400 kWh/a	✓
Vlerat e lidhjes Specifike	Lokale	10.70 W/m ²	-	-
		6.17 W/m ² /100 lx	-	-

Profili i përdorimit: Zyrat, sallat e konferencave

Lista e ndricuesve

Pz.	Prodhuesi	Artikulli Nr.	Emri i artikullit	P	Φ	Eficienca
434	NL31019VT		Aria Micro 2W IP65 3000K e bardhe	2.7 W	57 lm	21.1 lm/W
91	RPN190466	sim		32.1 W	4190 lm	130.6 lm/W

Ndërtesa 1 • Kati 1 • Auditori (të gjitha të ndezura)
 Permbledhje



Baza: 382.58 m² | Koefficientët e reflektimit: Tavani: 5.0%, Muret: 5.0%, Dyshemeja: 5.0% | Faktori i uljes: 0.90 (fiks) |

Ndërtesa 1 • Kati 1 • Auditori (të gjitha të ndezura)

Përmbledhje

Rezultati

	Njësi	Llogaritje	Nrmativa	OK
Zona e përdorshme	Ë	212 lx	≥ 500 lx	✗
	g ₁	0.000	-	-
Vlerat e konsumit	Konsumi	9550 kWh/a	max. 13400 kWh/a	✓
Vlera e lidhjes	Lokale	12.96 W/m ²	-	-
specifike		6.11 W/m ² /100 lx	-	-

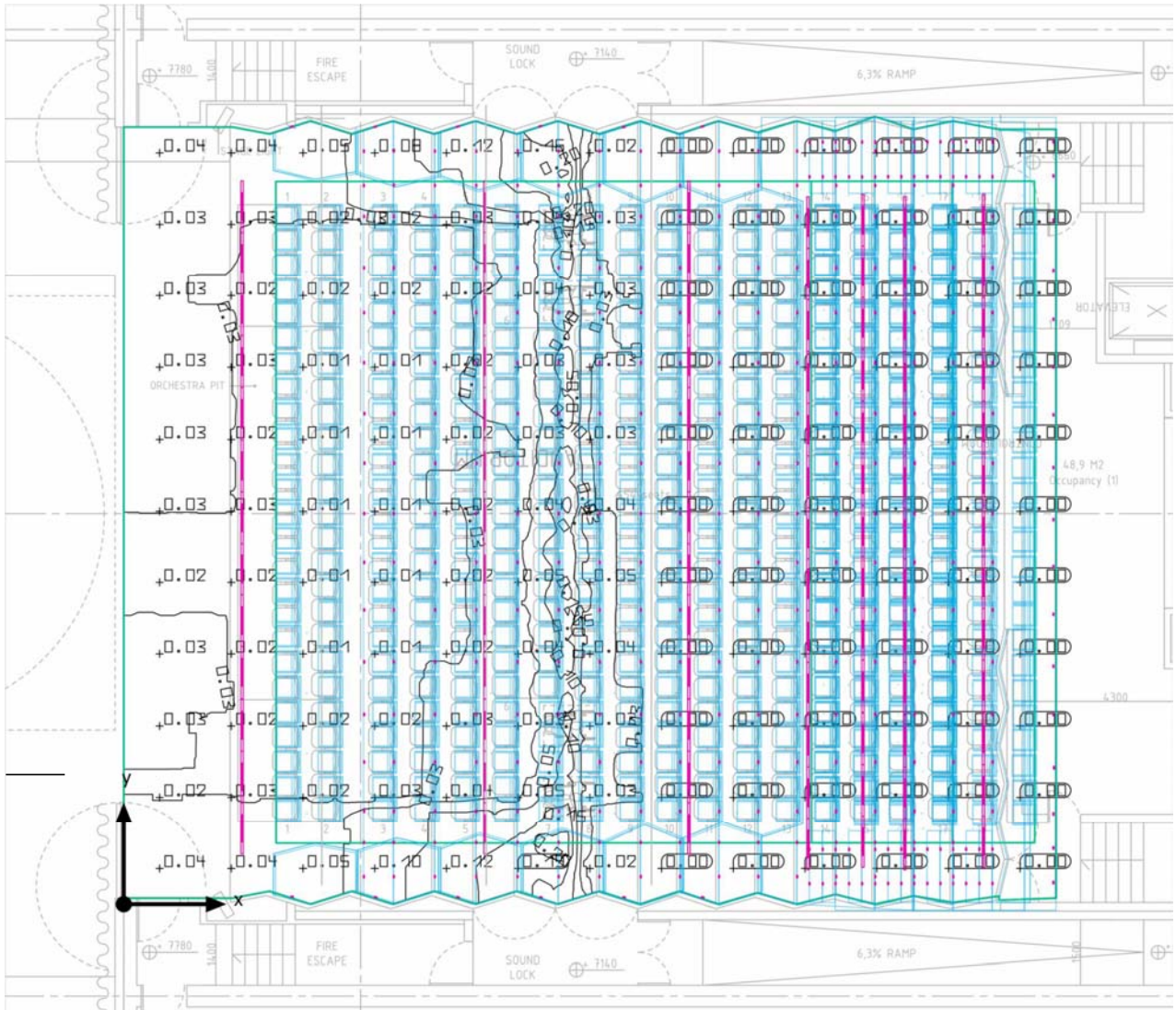
Profili i përdorimit: Zyrat, sallat e konferencave

Lista e ndricuesve

Pz.	Prodhuesi	Artikulli Nr.	Emertimi artikulli	P	Φ	Eficienca
434		NL31019VT K006	Aria Micro 2W IP65 3000K e bardhe	2.7 W	57 lm	21.1 lm/W
91		RPN190466 simm		32.1 W	4190 lm	130.6 lm/W
54	Ndricues linear_ LDT -IT	98636	LED shirit, IP20 - 16 W	16.0 W	1919 lm	119.9 lm/W

Ndërtesa 1 • Kati 1 • Auditori (në skenë)

Përmbledhje



Ndërtesa 1 • Kati 1 • Auditori (në skenë)

Përmbledhje

Rezultati

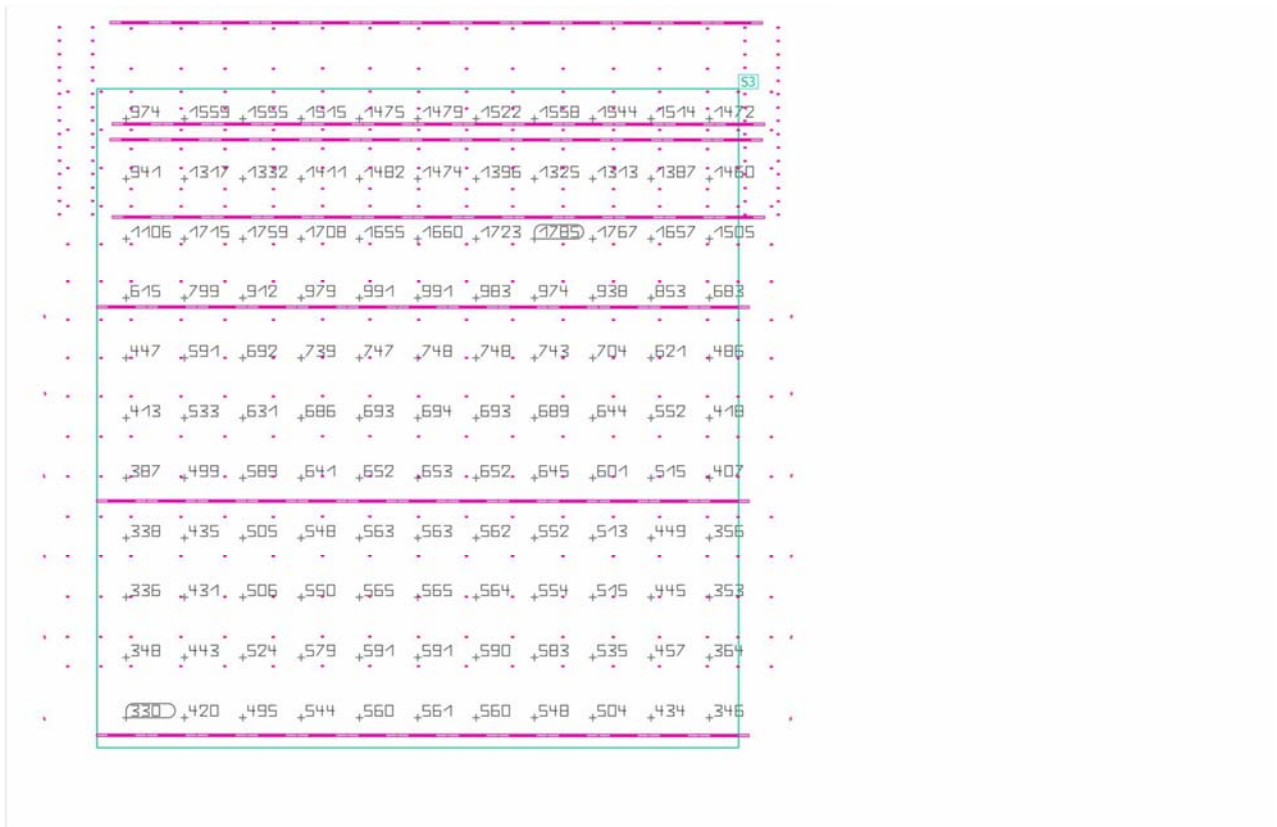
	Njësi	Kalkulime	Nrrmativa	OK
Zona e përdorshme	Ë	0.022 lx	≥ 500 lx	✗
	g ₁	0.00	-	-
Vlerat e konsumit	Vlerat e konsumit	7900 kWh/a	max. 13400 kWh/a	✓
Vlera e lidhjes specifike	Lokale	10.70 W/m ²	-	-
		48287.84 W/m ² /100 lx	-	-

Profili i përdorimit: Zyrat, sallat e konferencave

Lista e ndricuesve

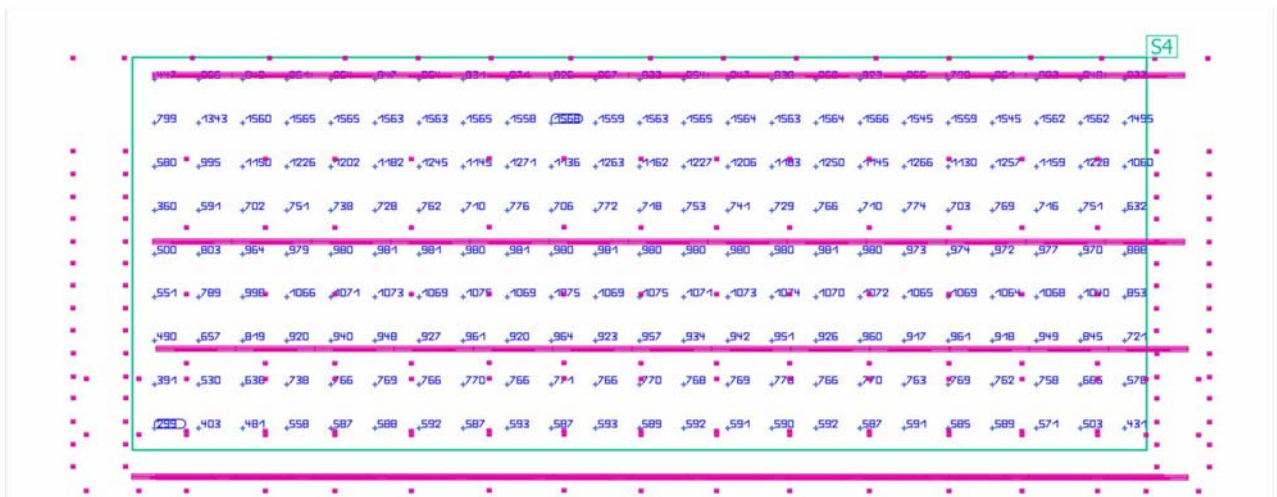
Pz.	Prodhuesi	Artikulli	Nr. Emertimi artikulli	P	Φ	Eficienca
434	NL31019VT	Aria Micro 2W IP65 3000K e bardhe	K006	2.7 W	57 lm	21.1 lm/W
91	RPN190466	sim	sim	32.1 W	4190 lm	130.6 lm/W

Ndërtesa 1 • Kati 1 • Auditori
Auditori



Prona	Ë	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Auditori Ndriçimi pingul Lartësia: 1.725 m	831 lx	330 lx	1785 lx	0.40	0.18	S3

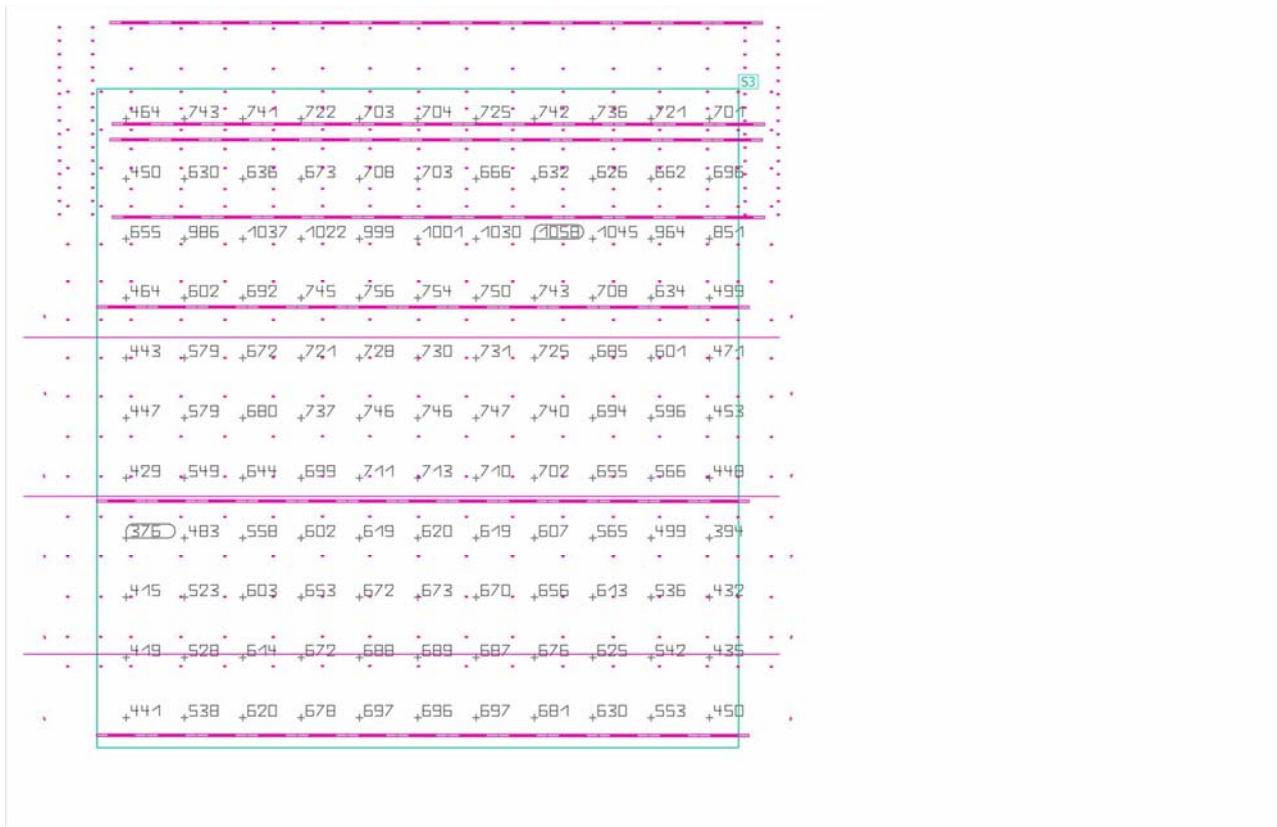
Ndërtesa 1 • Kati 1 • Auditori
Ballkoni madh



Prona	Ē	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Ballkoni i madh Ndriçimi pingul Lartësia: 6.902 m	927 lx	299 lx	1568 lx	0.32	0.19	S4

Ndërtesa 1 • Kati 1 • Auditorium (te ndezura)

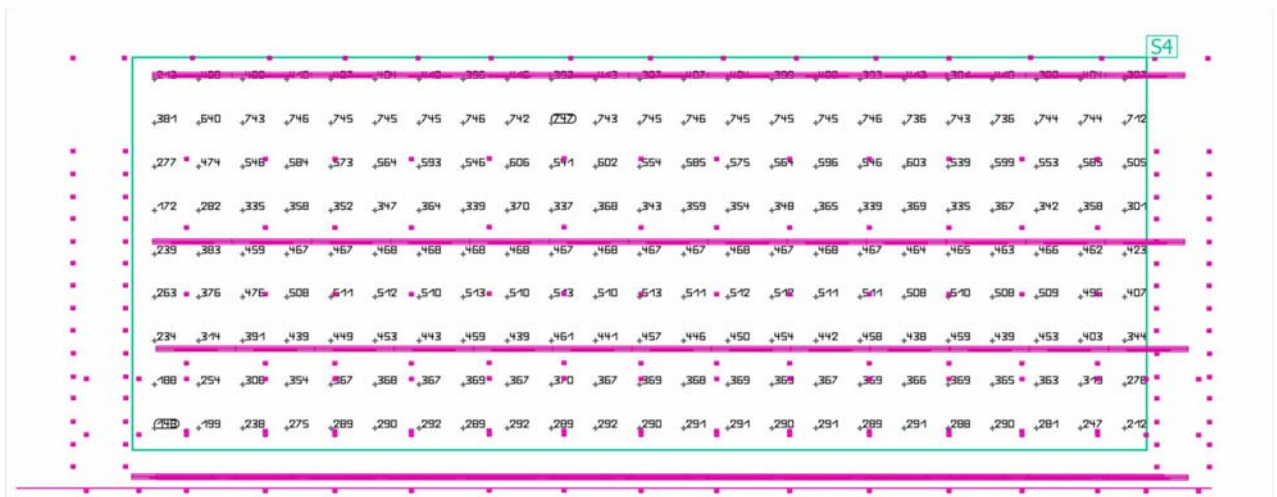
Auditori



Prona	Ē	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Auditori Ndriçimi pingul Lartësia: 1.725 m	657 lx	376 lx	1058 lx	0.57	0.36	S3

Ndërtesa 1 • Kati 1 • Auditorium (te ndezura)

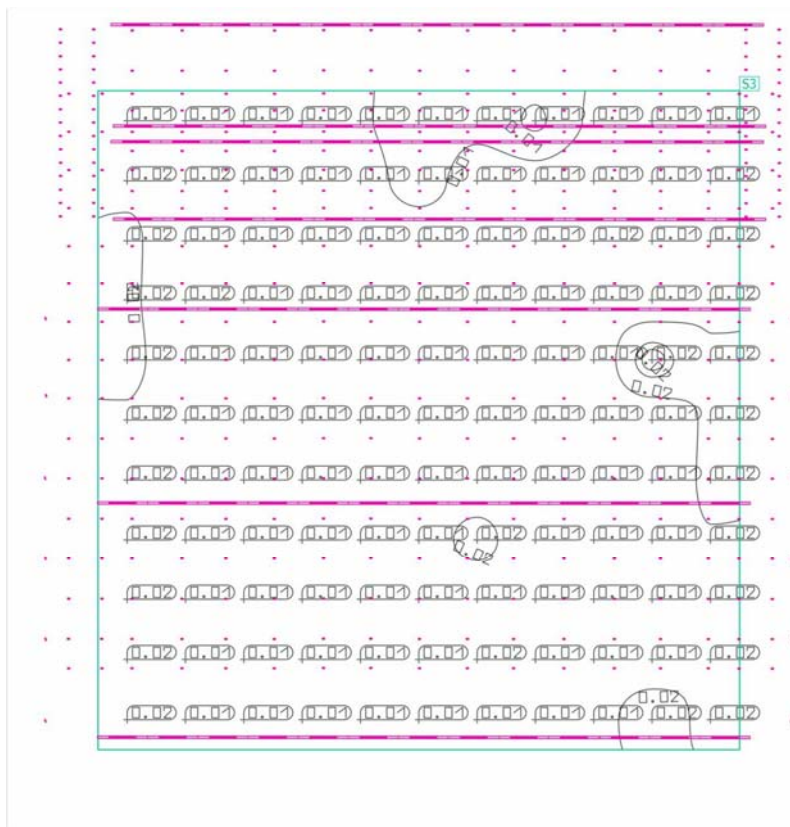
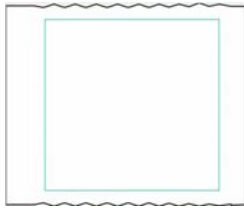
Ballkoni madh



Prona	Ē	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Ballkoni i madh Ndriçimi pingul Lartësia: 6.902 m	443 lx	148 lx	747 lx	0.33	0.20	S4

Ndërtesa 1 • Kati 1 • Auditori (në skenë)

Auditori



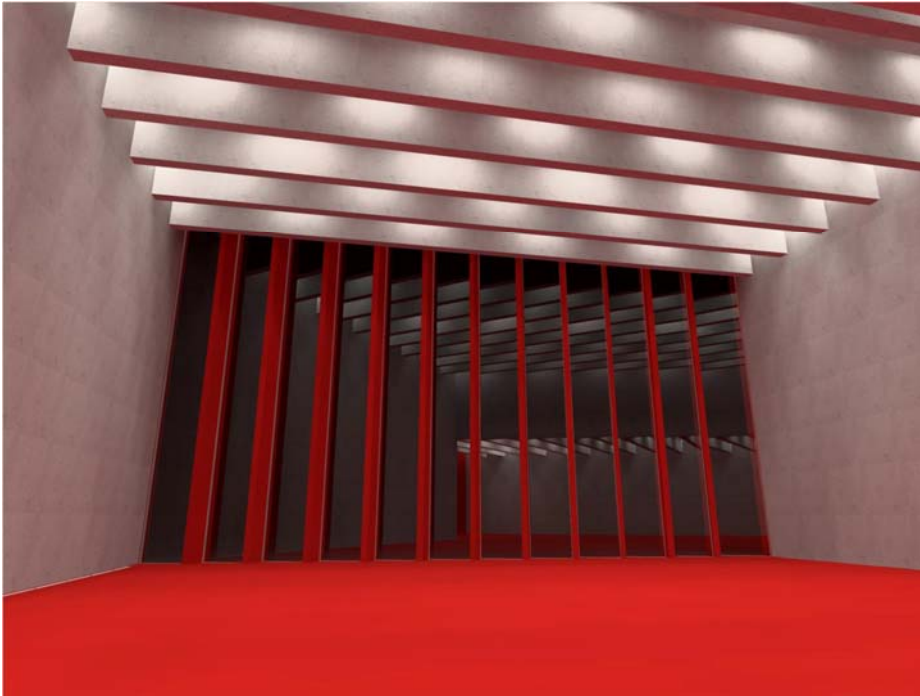
Prona	\bar{E}	$E_{min.}$	E_{max}	g_1	g_2	Indeksi
Auditori Ndriçimi pingul Lartësia: 1.725 m	0.014 lx	0.011 lx	0.023 lx	0.79	0.48	S3

Ndërtesa 1 • Kati 1 • Auditori (në skenë)

Ballkoni i madh



Prona	Ē	E _{min.}	E _{max.}	g ₁	g ₂	Indeksi
Ballkoni i madh Ndrçimi pingul Lartësia: 6.902 m	0.025 lx	0.012 lx	0.11 lx	0.48	0.11	S4



ZET Tirana

Foyer version me shirit LED

Përmbajtja

Kopertina	1
Përmbajtja.....	2
Lista e ndricuesve	3

Detajet e produktit

NDRICUES LINEAR 100 ALUMINI 3000K (1x LED Flux=590lm LED Fuqia=8W Eff=31% EfcLed=74lm/W EfcLum=23lm/W Ra=80 SDCM=7 L70(6K)=35000h)	4
Linear_LDT _IT - Shirit- LED shirit, IP20 - 16 W (1x 007000039U30) Linear_LDT _IT - Shirit- LED shirit, IP20 - 16 W (1x 007000039U30)	5
.....	6

Zona 1 - Ndërtesa 1 - Kati 1

Imazhe	7
Permbajtja	11
Llogaritja e objekteve	13
Sipërfaqe e dobishme (Foyer)/ Ndriçimi pingul	15

Lista e ndricuesve

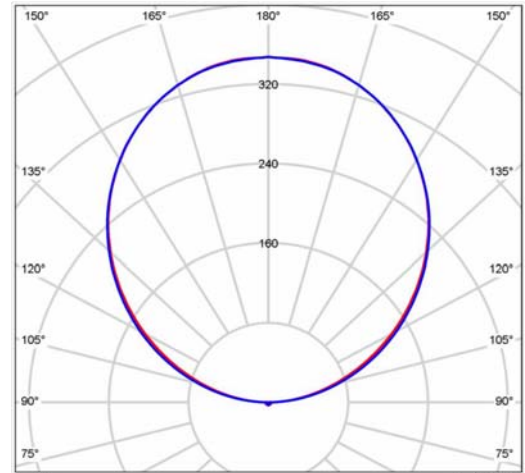
Φ_{totale} 266659 lm	P_{totale} 2754.0 W	Eficiencia 96.8 lm/W
-------------------------------------	---------------------------------	-------------------------

Pz.	Prodhuesi	ArtikulliNr.	Emertimi artikulli	P	Φ	Eficiencia
22	.	NL7419VSK 0	NDRICUES LINEAR100 ALUMINI 3000K	8.0 W	183 lm	22.9 lm/W
122	Linear_ LDT -_IT	98636	Shirit- LED shirit, IP20 - 16 W	21.0 W	2137 lm	101.7 lm/W
1	Linear_ LDT -_IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	1919 lm	119.9 lm/W

Fletë teknike e produktit

. NDRICUES LINEAR100 ALUMINI 3000K

ArtikulliNr.	NL7419VSK0
P	8.0 W
Φ_{Ndricues}	183 lm
Φ_{Ndricuesi}	183 lm
η	100.00 %
Eficiencia	22.9 lm/W
CCT	3000 K
CRI	75



Pavimento		20	20	20	20	20	20	20	20	20	20	20	20
Dimensioni del locale X Y		Linea di mira perpendicolare all'asse delle lampade						Linea di mira parallela all'asse delle lampade					
2H	2H	-19.8	-19.2	-18.5	-18.0	-16.1	-19.7	-19.2	-18.4	-17.9	-16.1		
	3H	-16.7	-16.3	-15.5	-15.0	-13.2	-16.7	-16.3	-15.4	-15.0	-13.2		
	4H	-15.0	-14.6	-13.7	-13.3	-11.5	-14.9	-14.5	-13.6	-13.3	-11.4		
	6H	-13.0	-12.6	-11.7	-11.3	-9.5	-12.9	-12.5	-11.6	-11.2	-9.4		
	8H	-11.8	-11.4	-10.5	-10.2	-8.3	-11.8	-11.4	-10.5	-10.1	-8.2		
4H	12H	-10.4	-10.0	-9.1	-8.7	-6.9	-10.3	-10.0	-9.0	-8.7	-6.8		
	2H	-18.8	-18.4	-17.6	-17.2	-15.3	-18.8	-18.4	-17.5	-17.1	-15.3		
	3H	-16.7	-16.3	-15.4	-15.0	-13.2	-16.7	-16.3	-15.4	-15.0	-13.2		
	4H	-13.8	-13.5	-12.5	-12.2	-10.4	-13.8	-13.5	-12.5	-12.2	-10.3		
	6H	-11.6	-11.3	-10.3	-10.1	-8.2	-11.6	-11.3	-10.3	-10.0	-8.2		
8H	8H	-10.3	-10.1	-9.0	-8.8	-6.9	-10.3	-10.1	-9.0	-8.8	-6.9		
	12H	-8.8	-8.6	-7.5	-7.3	-5.4	-8.8	-8.6	-7.5	-7.3	-5.4		
	4H	-13.1	-12.9	-11.8	-11.6	-9.7	-13.1	-12.8	-11.8	-11.6	-9.7		
	6H	-10.6	-10.4	-9.3	-9.2	-7.3	-10.6	-10.4	-9.3	-9.2	-7.3		
	8H	-9.2	-9.0	-7.9	-7.7	-5.8	-9.2	-9.0	-7.9	-7.8	-5.9		
12H	12H	-7.5	-7.3	-6.1	-6.0	-4.1	-7.5	-7.4	-6.2	-6.1	-4.2		
	4H	-12.9	-12.7	-11.6	-11.4	-9.5	-12.9	-12.7	-11.6	-11.4	-9.5		
	6H	-10.3	-10.1	-9.0	-8.9	-7.0	-10.3	-10.1	-9.0	-8.9	-7.0		
	8H	-8.8	-8.6	-7.4	-7.3	-5.4	-8.8	-8.6	-7.5	-7.3	-5.5		

Variatione della posizione dell'osservatore per le distanze delle lampade S

S = 1.0H	+0.2 / -0.2	+0.2 / -0.2
S = 1.5H	+0.3 / -0.3	+0.3 / -0.4
S = 2.0H	+0.5 / -0.6	+0.5 / -0.6

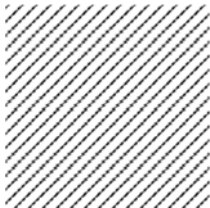
Tabella standard ---
 Addendo di correzione ---

Indici di abbagliamento conetti riferiti a 183lm Flusso luminoso sferico

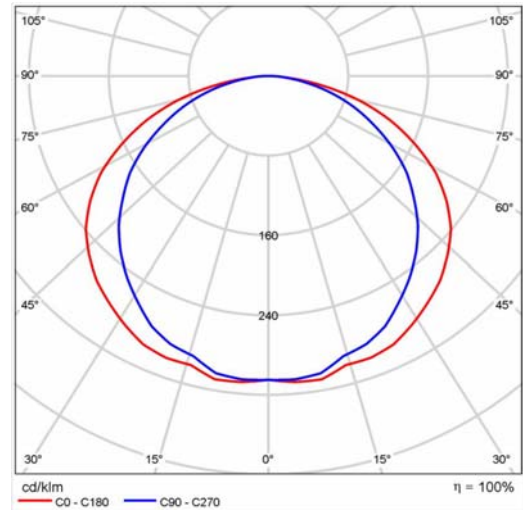
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

Linear_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	21.0 W
ΦNdricues	2138 lm
ΦNdricuesi	2137 lm
η	99.93 %
Eficiencia	101.7 lm/W
CCT	3000 K
CRI	85



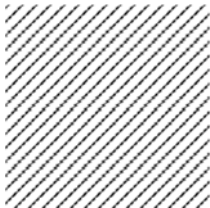
CDL polare

Valutazione di abbagliamento secondo UGR											
h Soffitto		70	70	50	50	30	70	70	50	50	30
h Pareti		50	30	50	30	30	50	30	50	30	30
h Pavimento		20	20	20	20	20	20	20	20	20	20
Dimensione del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
X	Y										
2H	2H	28.6	30.1	28.9	30.3	30.5	27.3	28.7	27.6	29.0	29.2
	3H	30.6	31.8	30.9	32.1	32.4	28.9	30.2	29.2	30.4	30.7
	4H	31.4	32.6	31.7	32.9	33.2	29.5	30.7	29.9	31.0	31.3
	6H	31.9	33.0	32.3	33.4	33.7	30.0	31.1	30.3	31.4	31.7
	8H	32.1	33.2	32.4	33.5	33.8	30.1	31.2	30.5	31.5	31.9
	12H	32.1	33.2	32.5	33.5	33.9	30.2	31.3	30.6	31.6	31.9
4H	2H	29.2	30.4	29.6	30.7	31.0	28.2	29.4	28.5	29.7	30.0
	3H	31.3	32.4	31.7	32.7	33.0	29.9	31.0	30.3	31.3	31.6
	4H	32.3	33.2	32.7	33.6	33.9	30.7	31.6	31.1	32.0	32.4
	6H	33.0	33.8	33.4	34.2	34.6	31.3	32.1	31.7	32.5	32.9
	8H	33.2	34.0	33.6	34.4	34.8	31.5	32.2	31.9	32.6	33.0
	12H	33.3	34.0	33.8	34.4	34.9	31.6	32.3	32.0	32.7	33.1
6H	4H	32.5	33.3	32.9	33.7	34.1	31.1	31.9	31.6	32.3	32.7
	6H	33.4	34.0	33.8	34.4	34.9	31.8	32.5	32.3	32.9	33.4
	8H	33.7	34.2	34.1	34.7	35.2	32.1	32.7	32.6	33.1	33.6
	12H	33.9	34.3	34.4	34.8	35.3	32.3	32.8	32.8	33.2	33.8
12H	4H	32.5	33.2	33.0	33.6	34.1	31.2	31.9	31.6	32.3	32.7
	6H	33.4	34.0	33.9	34.4	34.9	31.9	32.5	32.4	32.9	33.4
	8H	33.7	34.2	34.2	34.7	35.2	32.2	32.7	32.7	33.2	33.7
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3				
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7				
Tabella standard		BK07					BK06				
Addendo di correzione		16.9					14.9				
Indici di abbagliamento conetti riferiti a 2138lm Flusso luminoso sferico											

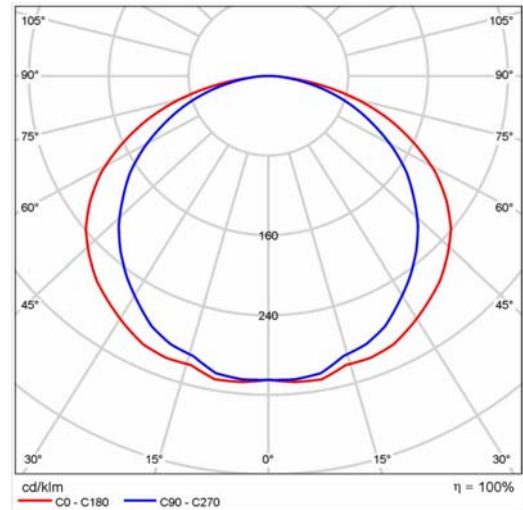
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

Linear_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	16.0 W
$\Phi_{Ndricues}$	1920 lm
$\Phi_{NdricuesI}$	1919 lm
η	99.93 %
Eficiencia	119.9 lm/W
CCT	3000 K
CRI	85

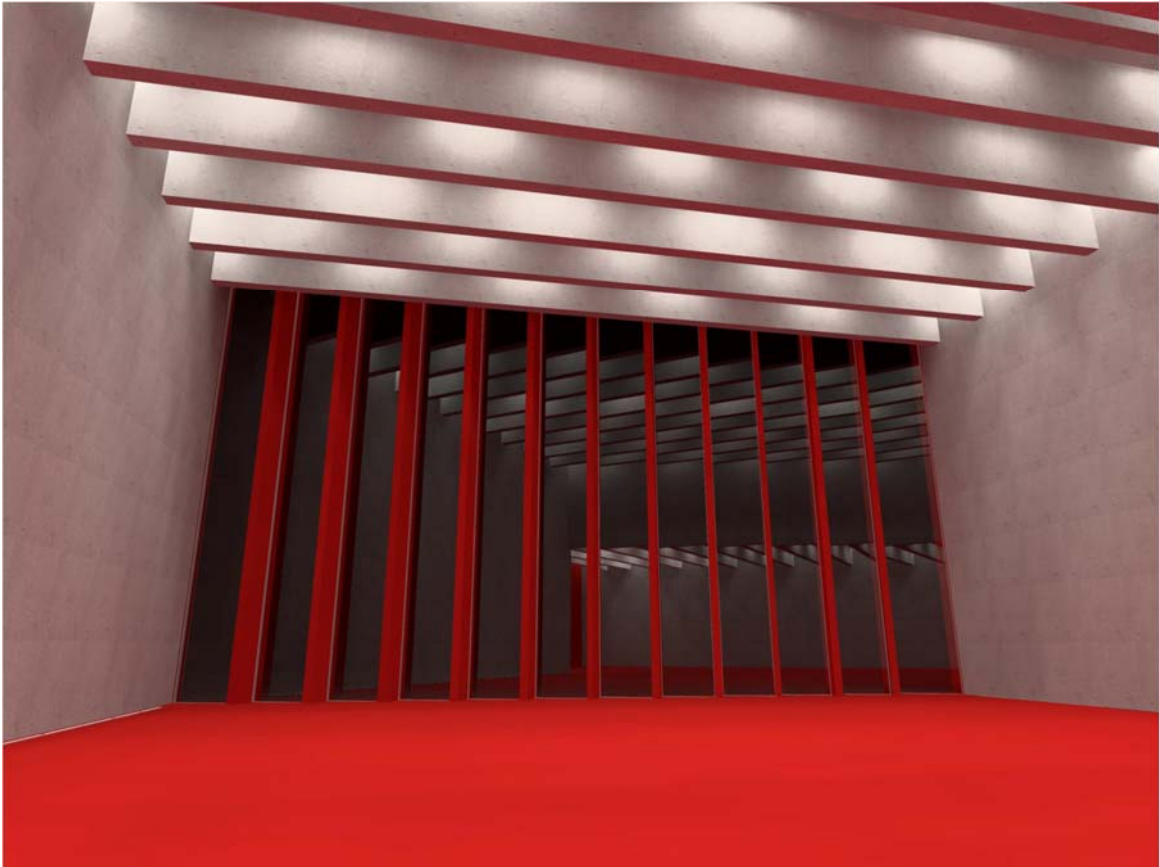


CDL polare

Valutazione di abbagliamento secondo UGR											
μ Soffitto		70	70	50	50	30	70	70	50	50	30
μ Pareti		50	30	50	30	30	50	30	50	30	30
μ Pavimento		20	20	20	20	20	20	20	20	20	20
Limitazione del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
X	Y										
2H	2H	28.3	29.7	28.6	29.9	30.2	26.9	28.3	27.2	28.6	28.8
	3H	30.2	31.5	30.5	31.7	32.0	28.5	29.8	28.8	30.1	30.3
	4H	31.0	32.2	31.3	32.5	32.8	29.1	30.4	29.5	30.6	30.9
	6H	31.5	32.7	31.9	33.0	33.3	29.6	30.7	30.0	31.0	31.4
	8H	31.7	32.8	32.1	33.1	33.4	29.7	30.8	30.1	31.2	31.5
	12H	31.8	32.8	32.2	33.2	33.5	29.8	30.9	30.2	31.2	31.6
4H	2H	28.8	30.1	29.2	30.3	30.6	27.8	29.0	28.2	29.3	29.6
	3H	31.0	32.0	31.3	32.3	32.7	29.6	30.6	29.9	30.9	31.3
	4H	31.9	32.8	32.3	33.2	33.6	30.3	31.3	30.7	31.6	32.0
	6H	32.6	33.4	33.0	33.8	34.2	30.9	31.7	31.3	32.1	32.5
	8H	32.8	33.6	33.3	34.0	34.4	31.1	31.9	31.5	32.2	32.7
	12H	32.9	33.7	33.4	34.1	34.5	31.2	31.9	31.7	32.3	32.8
6H	4H	32.1	32.9	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.3
	6H	33.0	33.6	33.4	34.0	34.5	31.5	32.1	31.9	32.5	33.0
	8H	33.3	33.8	33.6	34.3	34.8	31.7	32.3	32.2	32.7	33.2
	12H	33.5	34.0	34.0	34.4	34.9	31.9	32.4	32.4	32.9	33.4
12H	4H	32.1	32.8	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.4
	6H	33.0	33.6	33.5	34.0	34.5	31.6	32.1	32.0	32.6	33.0
	8H	33.4	33.8	33.9	34.3	34.8	31.9	32.4	32.4	32.8	33.3
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3				
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7				
Tabella standard		BK07					BK06				
Addendo di correzione		16.5					14.5				
Indici di abbagliamento conetti riferiti a 1920lm Flusso luminoso sferico											

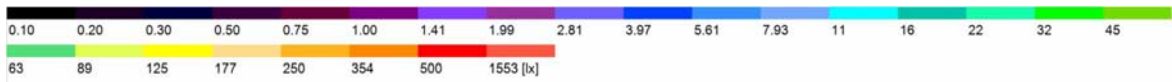
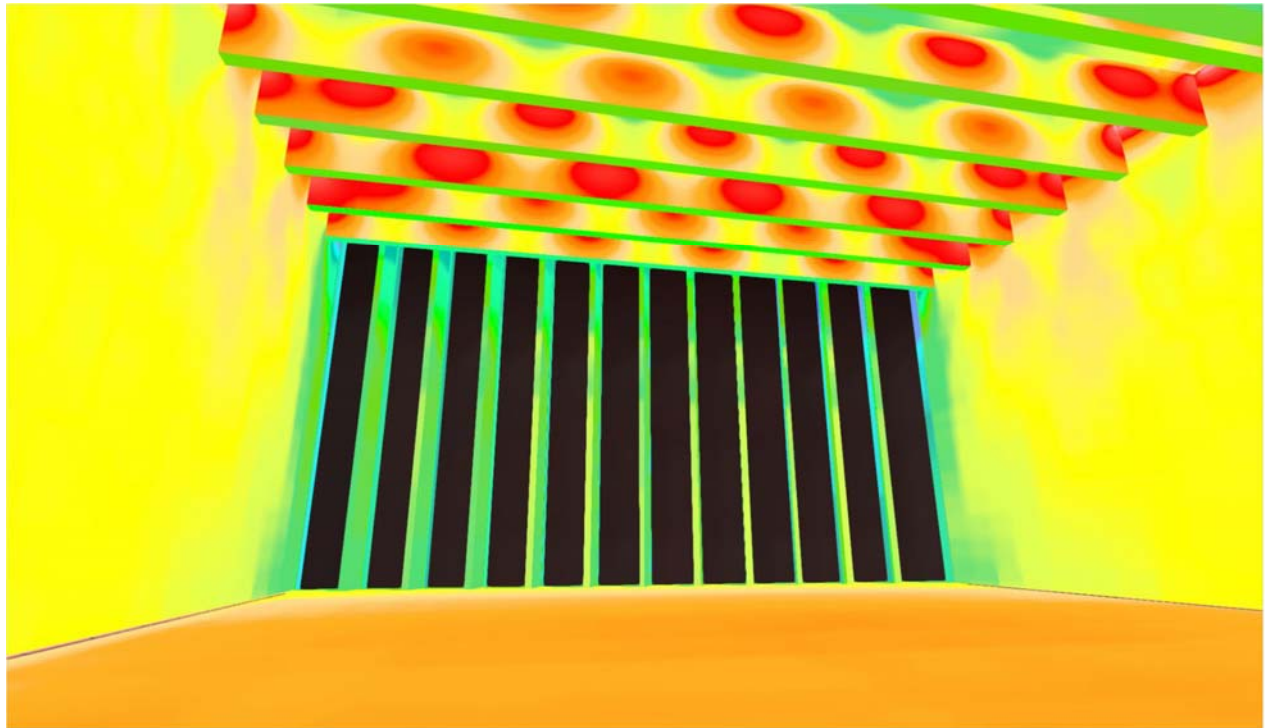
Diagrama UGR (SHR: 0.25)

Imazhe



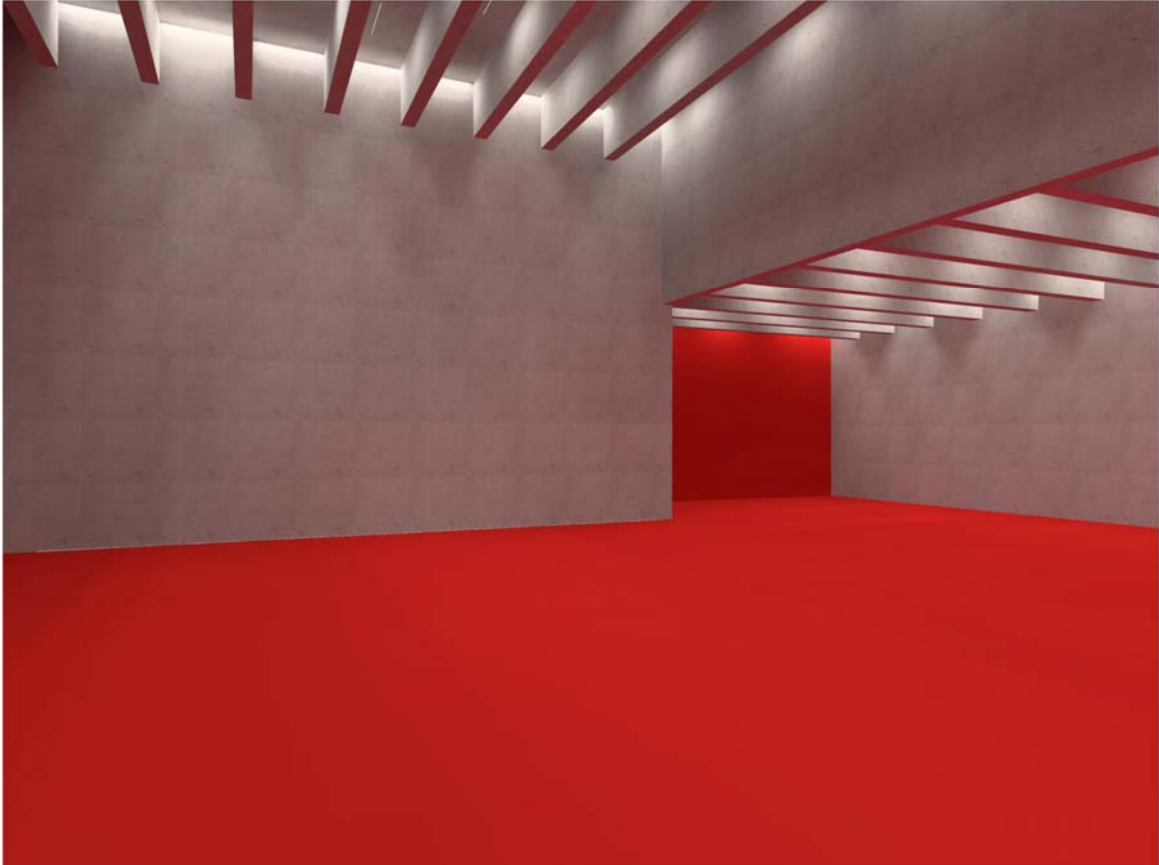
Pamja 01

Imazhe



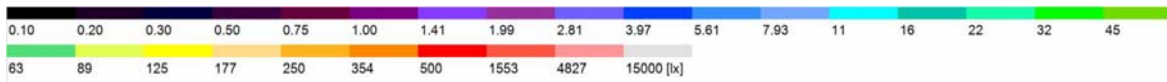
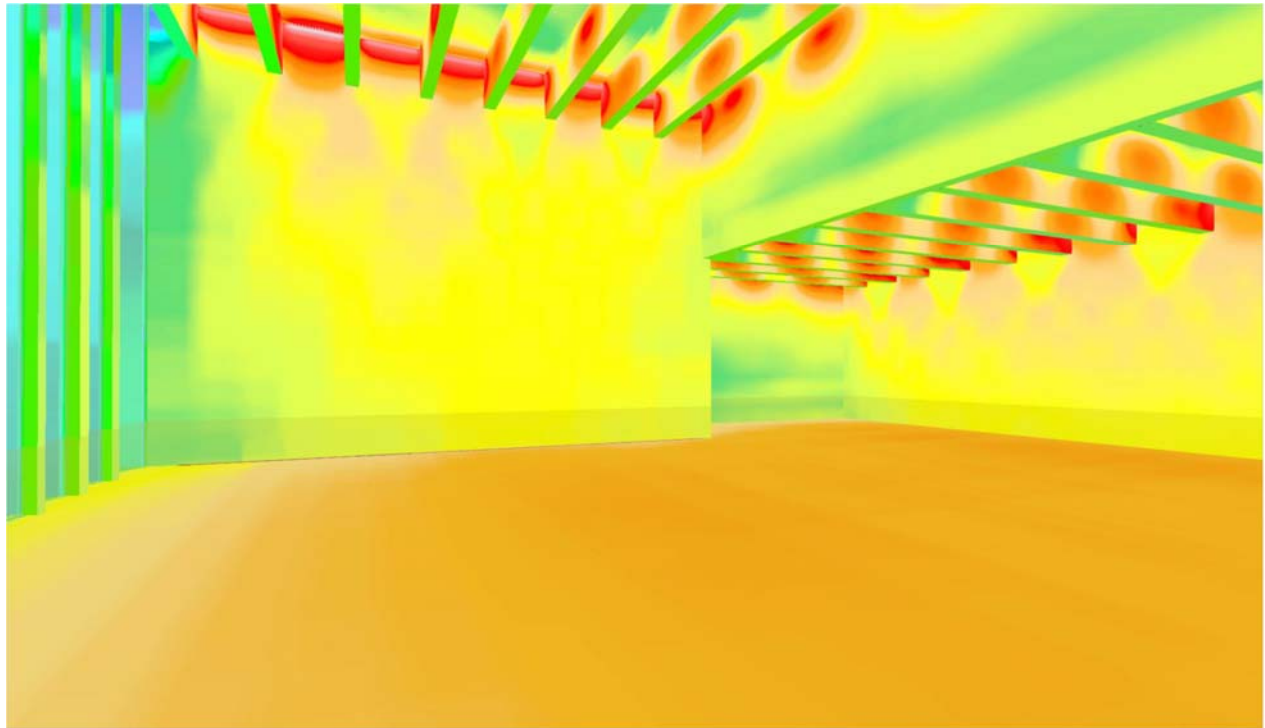
Pamja 01

Imazhe



Pamja 02

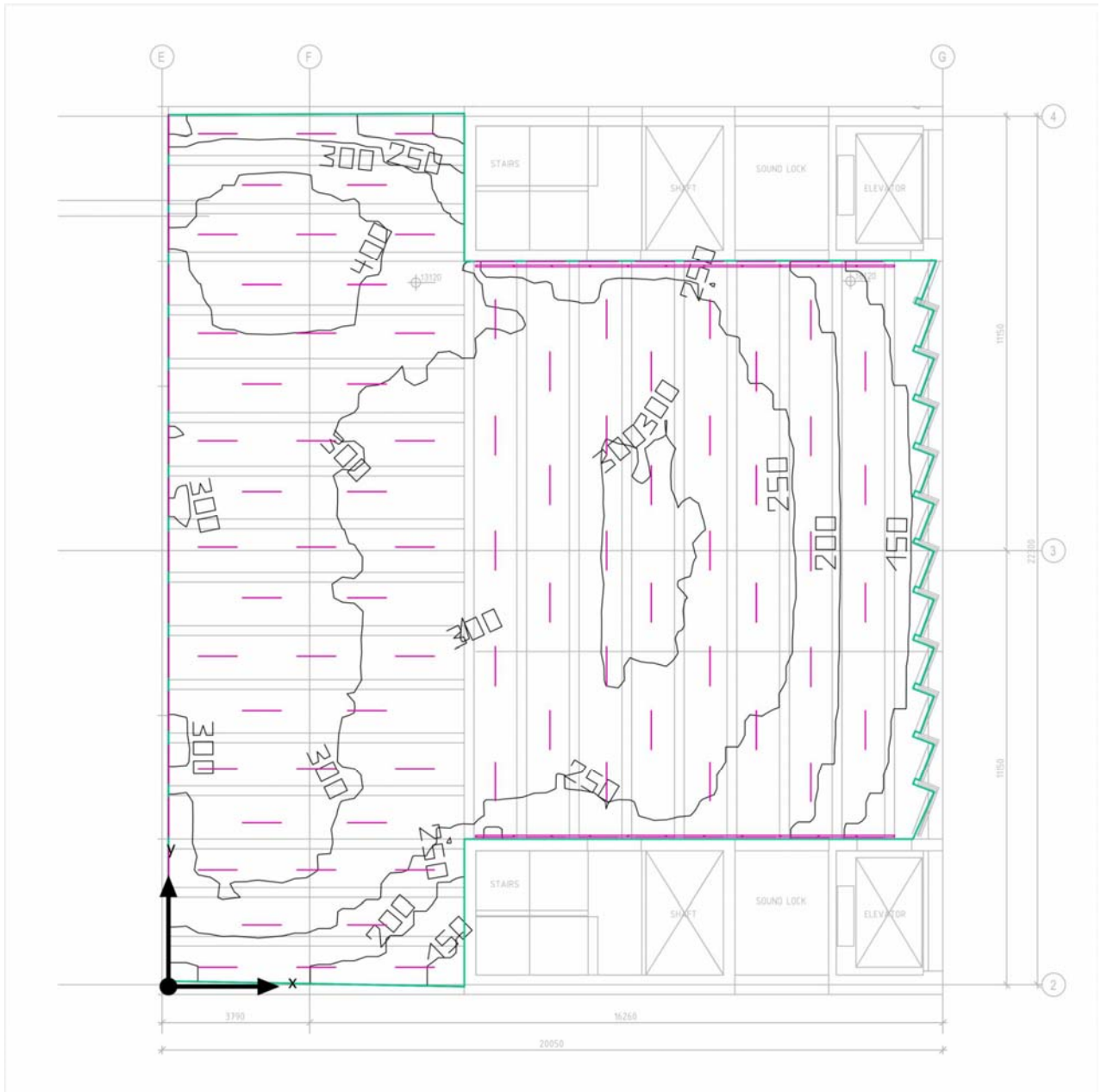
Imazhe



Pamja 02

Ndërtesa 1 • Kati 1 • Holl

Përmbledhje



Baza: 345.48 m² | Koeficientët e reflektimit: Tavani: 40.9%, Muret: 30.4%, Dyshemeja: 12.0% | Faktori i uljes: 0.90 (fiks) |

Lartësia e lirë: 4,490 m - 8,340 m | Lartësia e montimit: -0,052 m -

Ndërtesa 1 • Kati 1 • Holl

Permbajtja

Rezultati

	Njesia	Kalkulime	Nrrmativa	OK
Zona e përdorshme	Ë	279 lx	≥ 100 lx	✓
	g ₁	0.43	-	-
Vlerat e konsumit	Vlerat e konsumit	[3600 - 5300] kWh/a	max. 12100 kWh/a	✓
Vlera e lidhjes specifike	Lokale	7.97 W/m ²	-	-
		2.86 W/m ² /100 lx	-	-

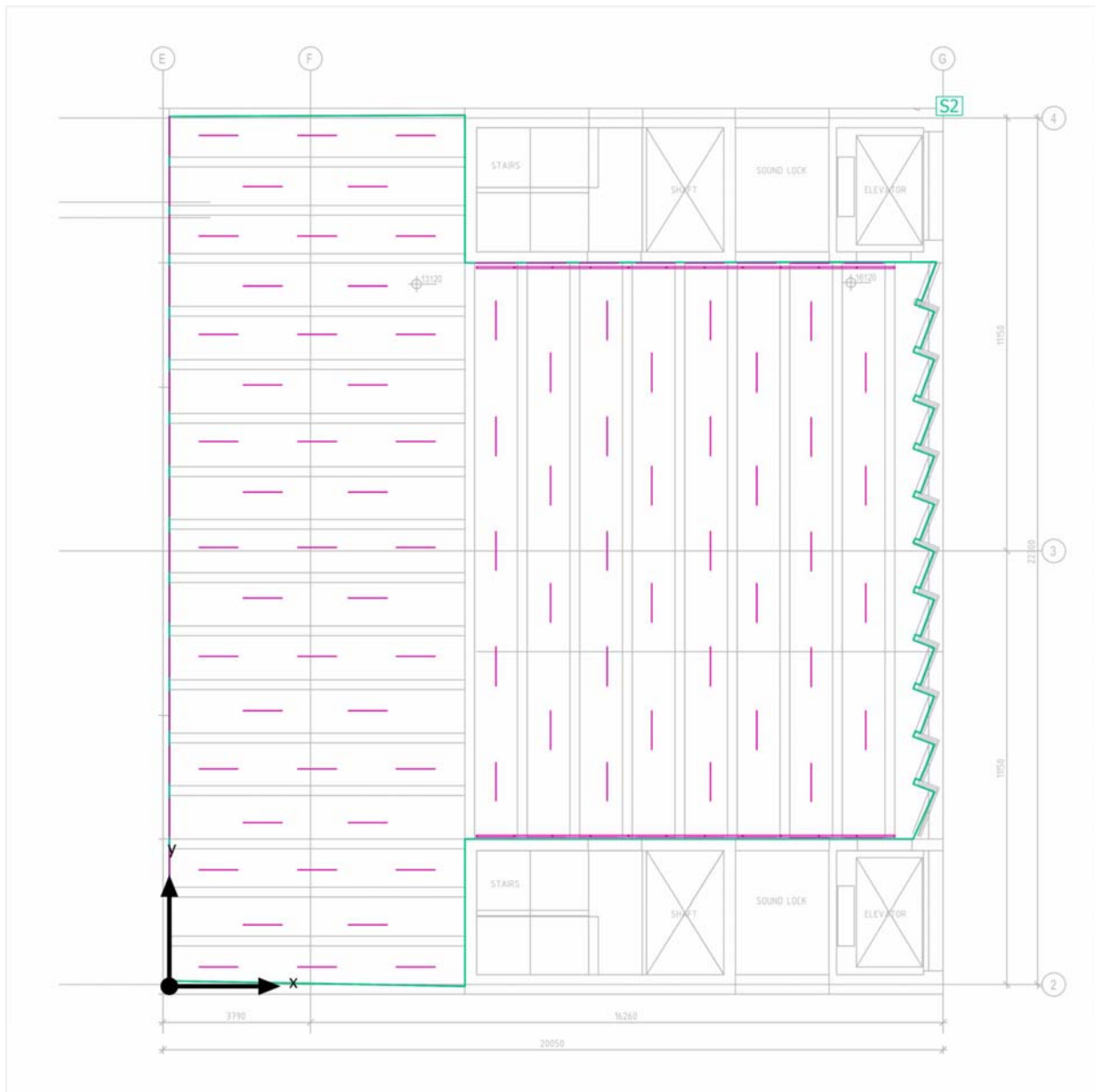
Profili i përdorimit: Sektori publik - zona të përbashkëta, salla hyrëse

Lista e ndricuesve

Pz.	Prodhuesi	ArtikulliNr.	Emertimi artikulli	P	Φ	Eficienca
22	.	NL7419VSK 0	NDRICUES LINEAR100 ALUMINI 3000K	8.0 W	183 lm	22.9 lm/W
122	Linear_LDT _JT	98636	Shirit- LED shirit, IP20 - 16 W	21.0 W	2137 lm	101.7 lm/W
1	Linear_LDT _JT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	1919 lm	119.9 lm/W

Ndërtesa 1 • Kati 1 • Holl

Llogaritja e objekteve



Ndërtesa 1 • Kati 1 • Foyer
Llogaritja e objekteve

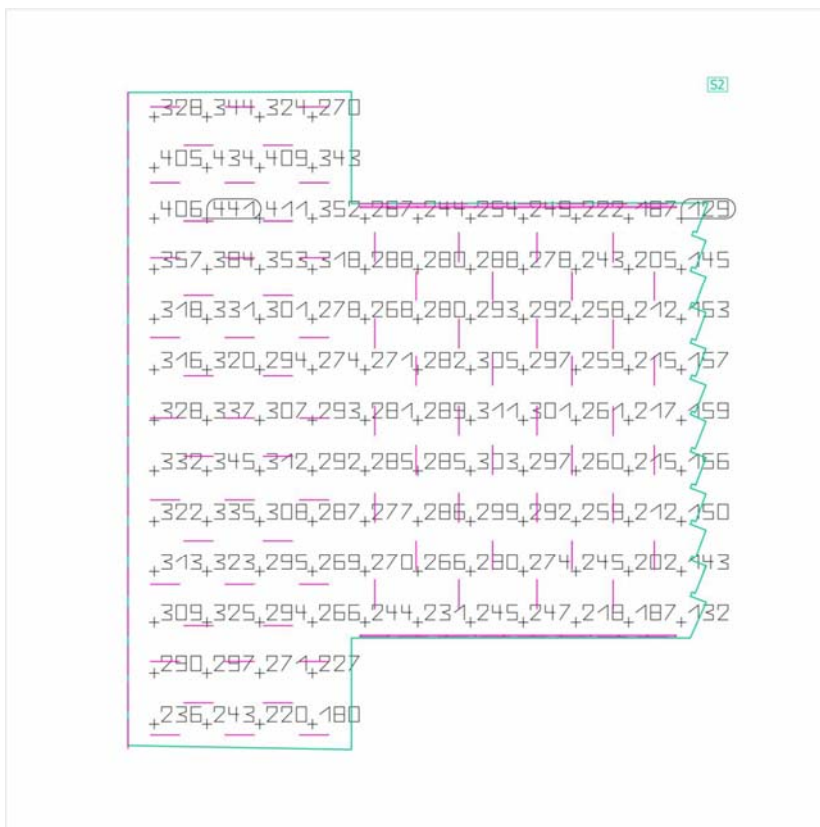
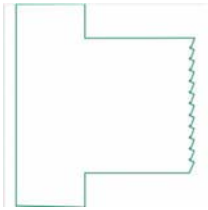
Sipërfaqe të dobishme

Prona	\bar{E} (Nrrmativa)	$E_{min.}$	E_{max}	g_1	g_2	Indeksi
Zona e përdorshme (Foyer) Ndiriçimi pingul (adattivo) Lartësia: 0.800 m, Zona diferencë : 0.000 m	279 lx (≥ 100 lx) ✓	119 lx	473 lx	0.43	0.25	S2

Profili i përdorimit: Sektori publik - zona të përbashkëta, salla hyrëse

Ndërtesa 1 • Kati 1 • Foyer

Zona e përdorshme (Foyer)



Prona	Ē (Nrrmativa)	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Zona e përdorshme (Foyer) Ndriçimi pingul (adattivo) Lartësia: 0.800 m, Zona diferencë : 0.000 m	279 lx (≥ 100 lx) ✓	119 lx	473 lx	0.43	0.25	S2

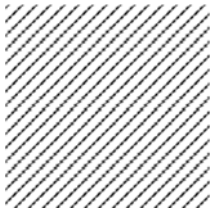
Profilo di utilizzo: Settore pubblico - ambienti comuni, Sale d'ingresso



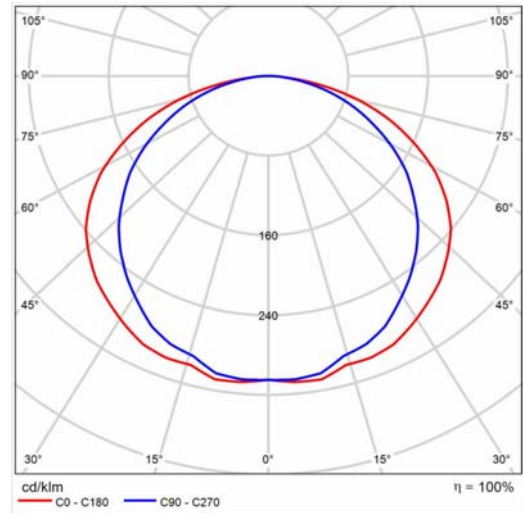
Holli

Fletë teknike e produktit

Linear_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	16.0 W
ΦNdricues	1920 lm
ΦNdricuesi	1919 lm
η	99.93 %
Eficiencia	119.9 lm/W
CCT	3000 K
CRI	85



CDL polare

Valutazione di abbagliamento secondo UGR											
μ Soffitto		70	70	50	50	30	70	70	50	50	30
μ Pareti		50	30	50	30	30	50	30	50	30	30
μ Pavimento		20	20	20	20	20	20	20	20	20	20
Lampadare del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
X	Y										
2H	2H	28.3	29.7	28.6	29.9	30.2	26.9	28.3	27.2	28.6	28.8
	3H	30.2	31.5	30.5	31.7	32.0	28.5	29.8	28.8	30.1	30.3
	4H	31.0	32.2	31.3	32.5	32.8	29.1	30.4	29.5	30.6	30.9
	6H	31.5	32.7	31.9	33.0	33.3	29.6	30.7	30.0	31.0	31.4
	8H	31.7	32.8	32.1	33.1	33.4	29.7	30.8	30.1	31.2	31.5
	12H	31.8	32.8	32.2	33.2	33.5	29.8	30.9	30.2	31.2	31.6
4H	2H	28.8	30.1	29.2	30.3	30.6	27.8	29.0	28.2	29.3	29.6
	3H	31.0	32.0	31.3	32.3	32.7	29.6	30.6	29.9	30.9	31.3
	4H	31.9	32.8	32.3	33.2	33.6	30.3	31.3	30.7	31.6	32.0
	6H	32.6	33.4	33.0	33.8	34.2	30.9	31.7	31.3	32.1	32.5
	8H	32.8	33.6	33.3	34.0	34.4	31.1	31.9	31.5	32.2	32.7
	12H	32.9	33.7	33.4	34.1	34.5	31.2	31.9	31.7	32.3	32.8
8H	4H	32.1	32.9	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.3
	6H	33.0	33.6	33.4	34.0	34.5	31.5	32.1	31.9	32.5	33.0
	8H	33.3	33.8	33.6	34.3	34.8	31.7	32.3	32.2	32.7	33.2
	12H	33.5	34.0	34.0	34.4	34.9	31.9	32.4	32.4	32.9	33.4
12H	4H	32.1	32.8	32.6	33.3	33.7	30.8	31.5	31.2	31.9	32.4
	6H	33.0	33.6	33.5	34.0	34.5	31.6	32.1	32.0	32.6	33.0
	8H	33.4	33.8	33.9	34.3	34.8	31.9	32.4	32.4	32.8	33.3
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3				
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7				
Tabella standard		BK07					BK06				
Addendo di correzione		16.5					14.5				
Indici di abbagliamento corretti riferiti a 1920lm Flusso luminoso sferico											

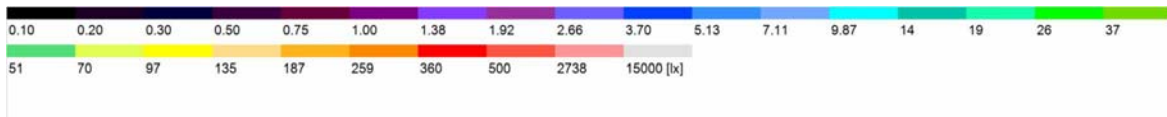
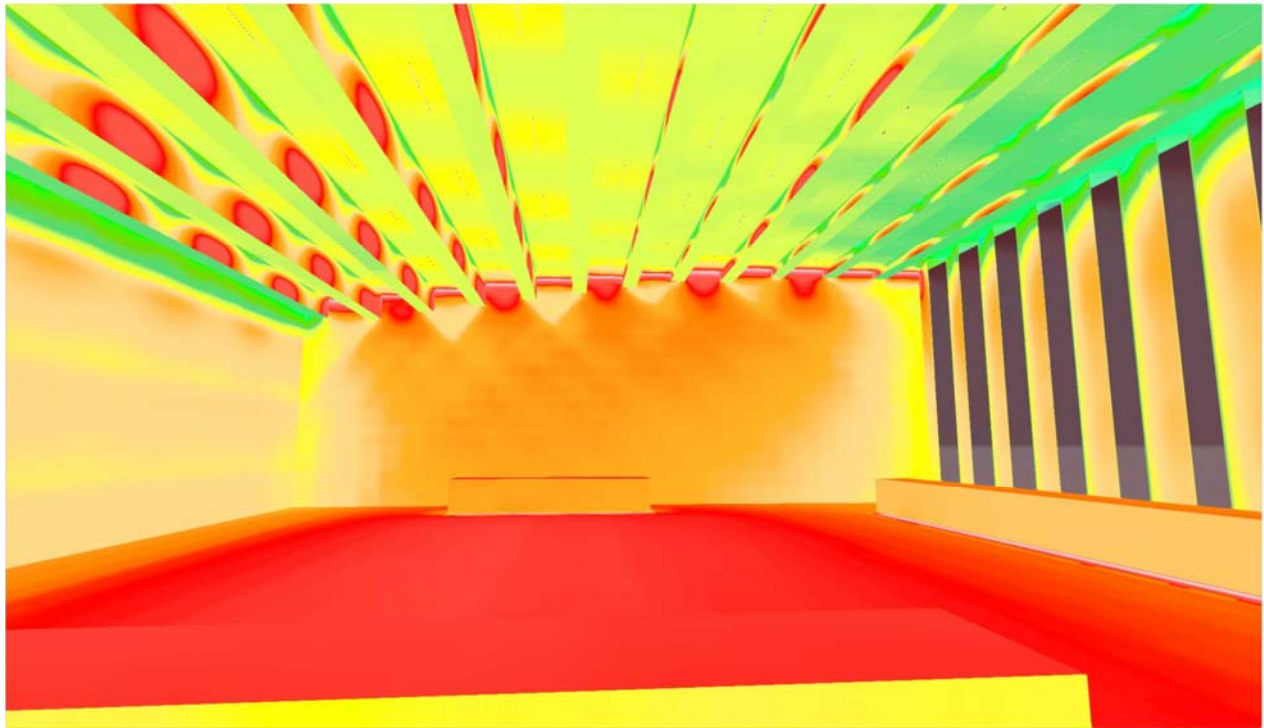
Diagrama UGR (SHR: 0.25)

Imazhe



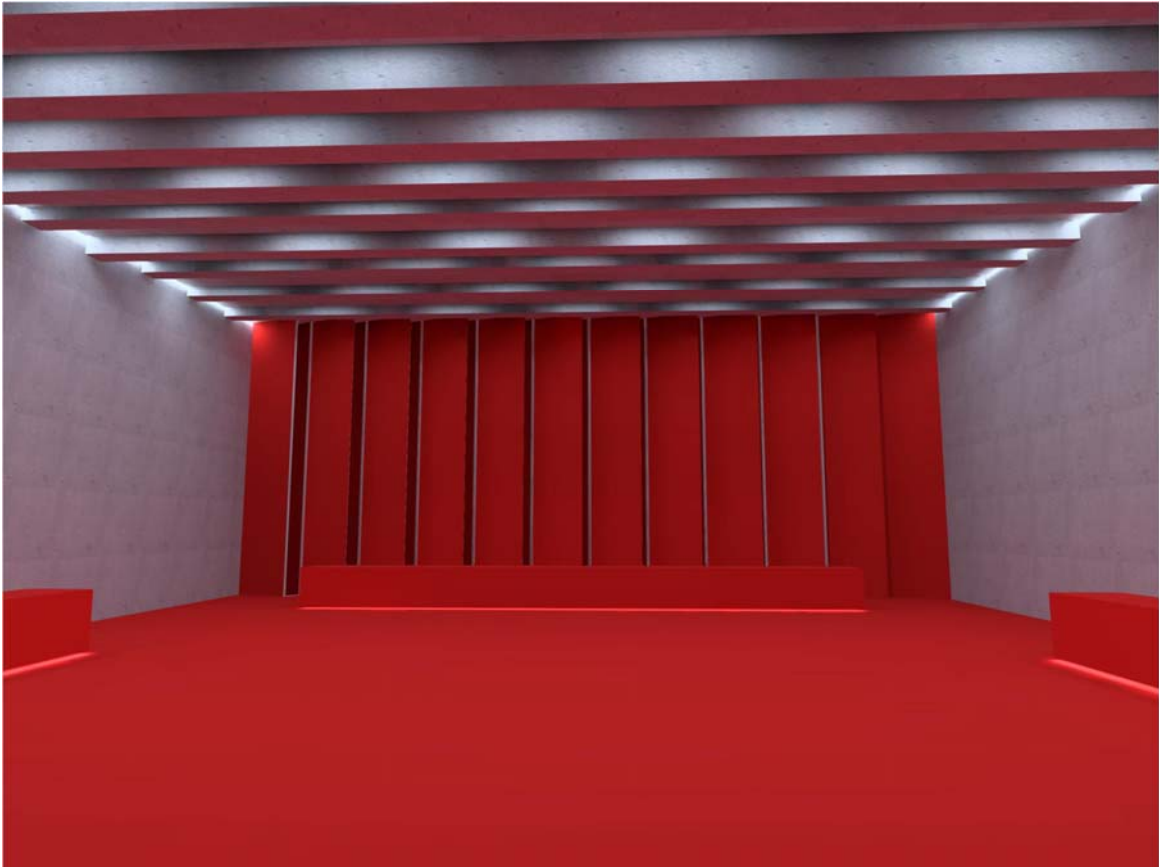
Pamja 01

Imazhe



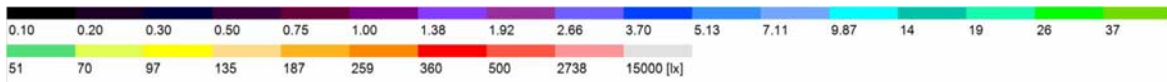
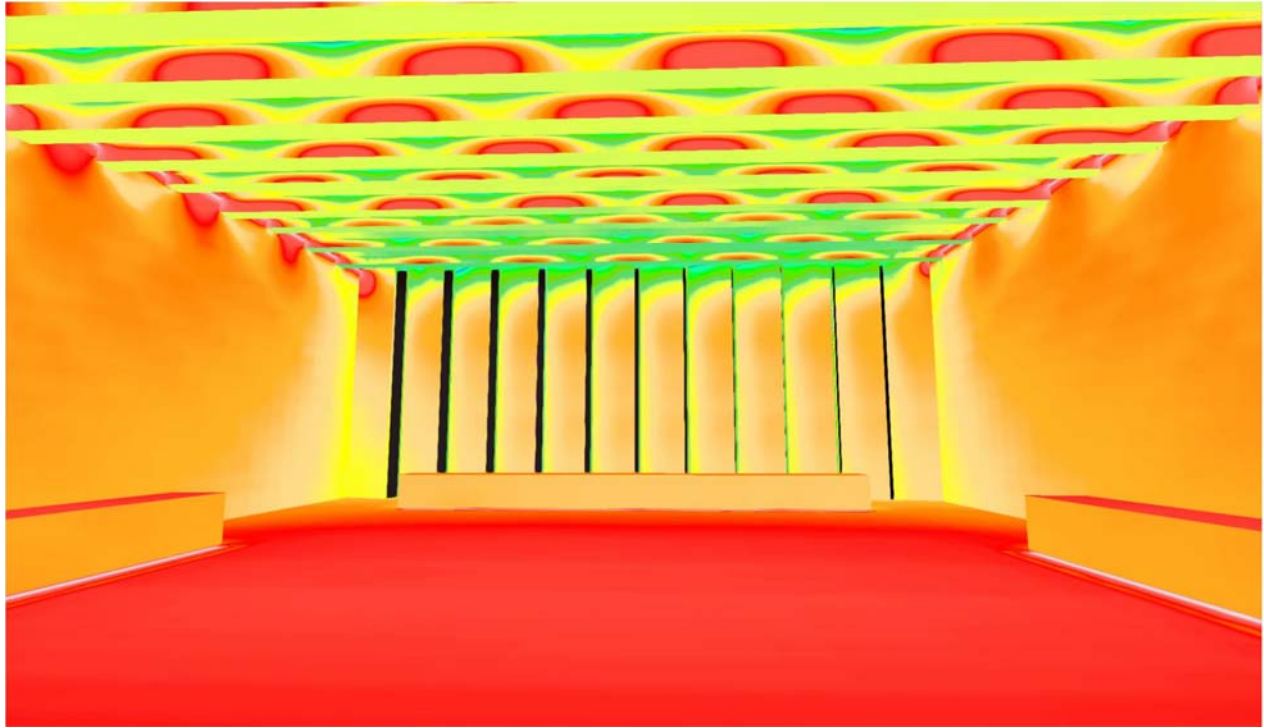
Pamja 01

Imazhe



Pamja 02

Imazhe



Pamja 02

Ndërtesa 1 • Kati 1 • Holl

Permbajtja**Rezultati**

	Njesia	Kalkulime	Normativa	OK
Zona e përdorshme	Ë	359 lx	≥ 100 lx	✓
	g ₁	0.48	-	-
Vlerat e konsumit	Vlerat e konsumit	[3050 - 3650] kWh/a	max. 8000 kWh/a	✓
Vlera e lidhjes specifike	Lokale	8.35 W/m ²	-	-
		2.33 W/m ² /100 lx	-	-

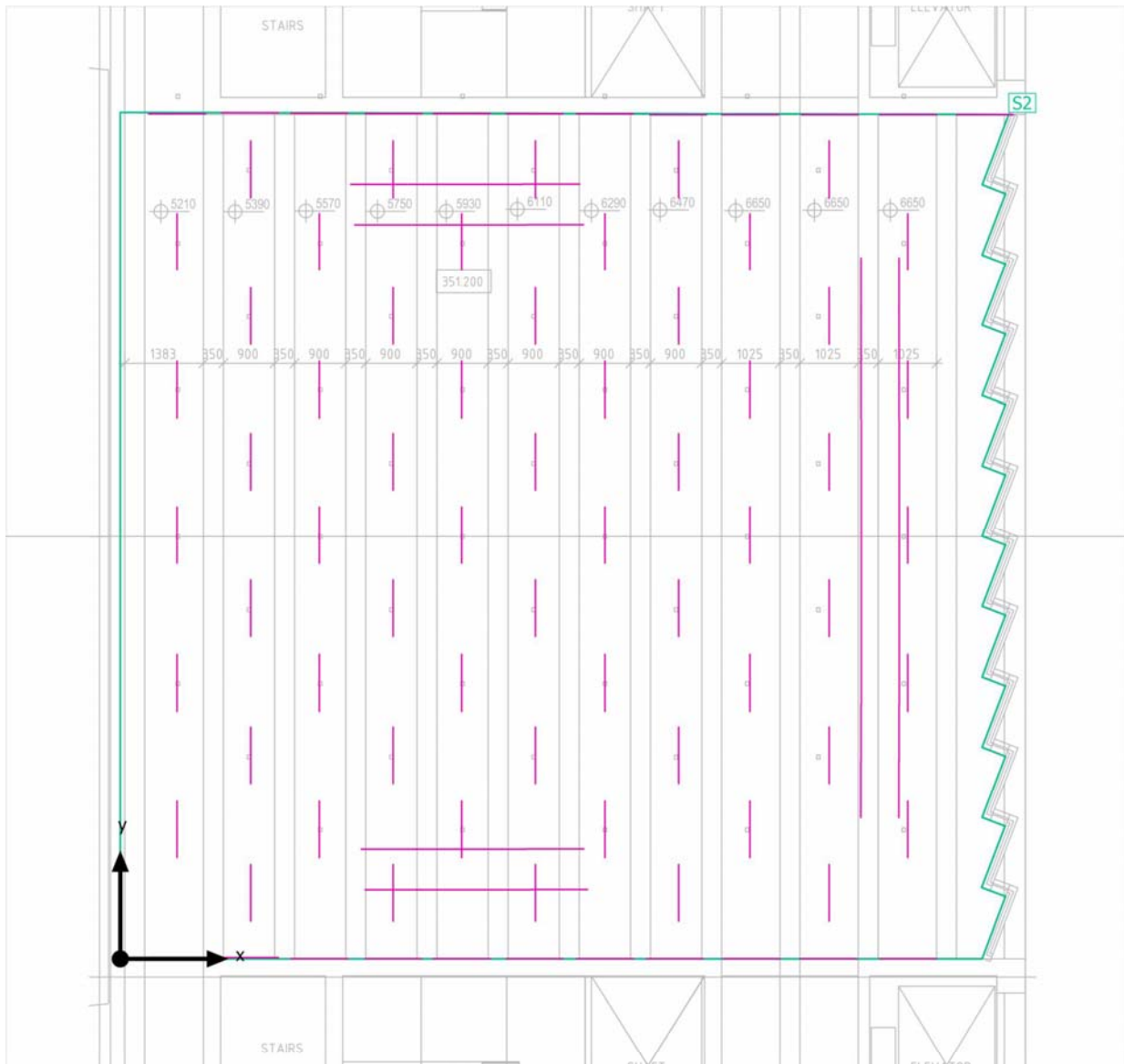
Profili i përdorimit: Sektori publik - zona të përbashkëta, salla hyrëse

Lista e ndricuesve

Pz.	Prodhuesi ArtikulliNr.	Emertimi artikulli	P	Φ	Eficienca
119	Linear_ 98636 LDT _IT	Shirit- LED shirit, IP20 - 16 W	16.0 W	1919 lm	119.9 lm/W

Ndërtesa 1 • Kati 1 • Holli

Llogaritja e objekteve



Ndërtesa 1 • Kati 1 • Holl

Llogaritja e objekteve

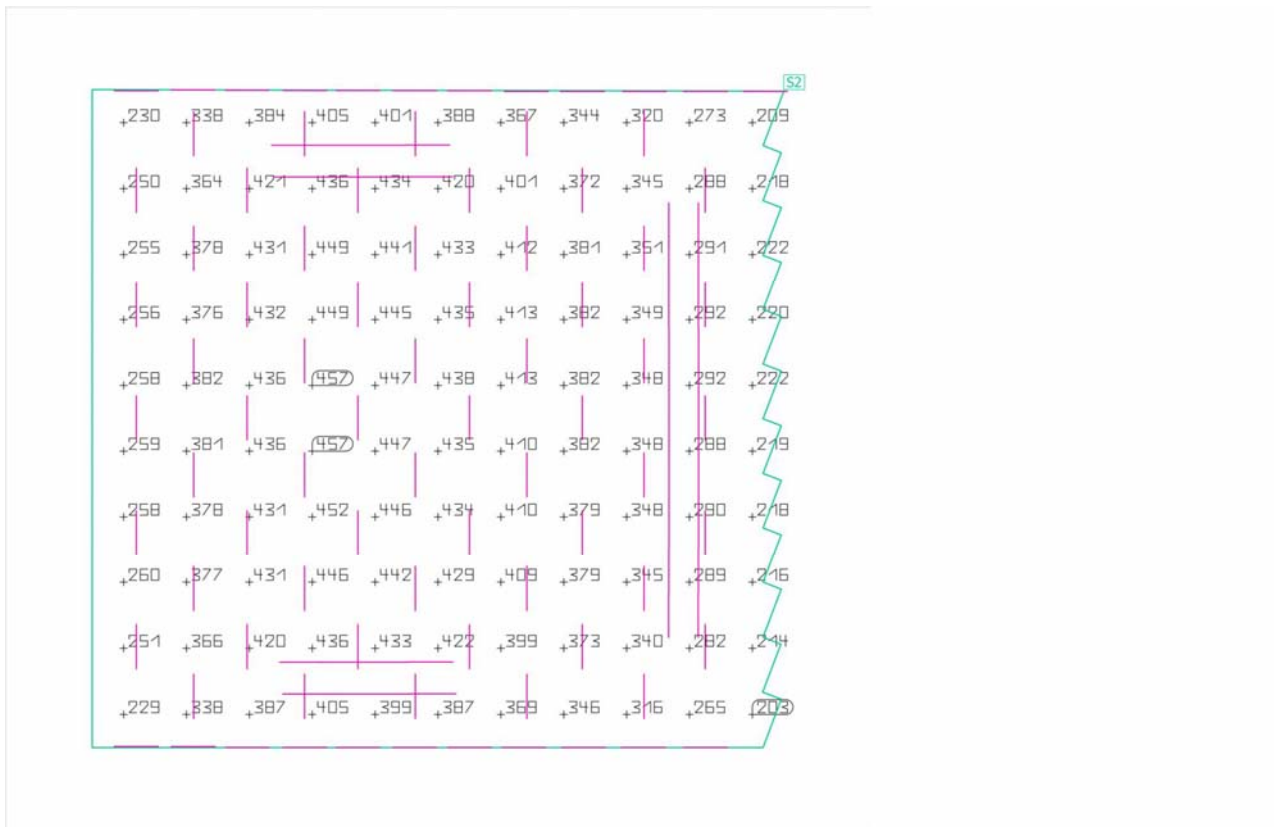
Sipërfaqe të dobishme

Prona	Ē (Nrrmativa)	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Zona e përdorshme (Lobby) Ndriçimi pingul (adattivo) Lartësia: 0.800 m, Zona diferencë : 0.000 m	359 lx (≥ 100 lx) ✓	173 lx	462 lx	0.48	0.37	S2

Profili i përdorimit: Sektori publik - zona të përbashkëta, salla hyrëse

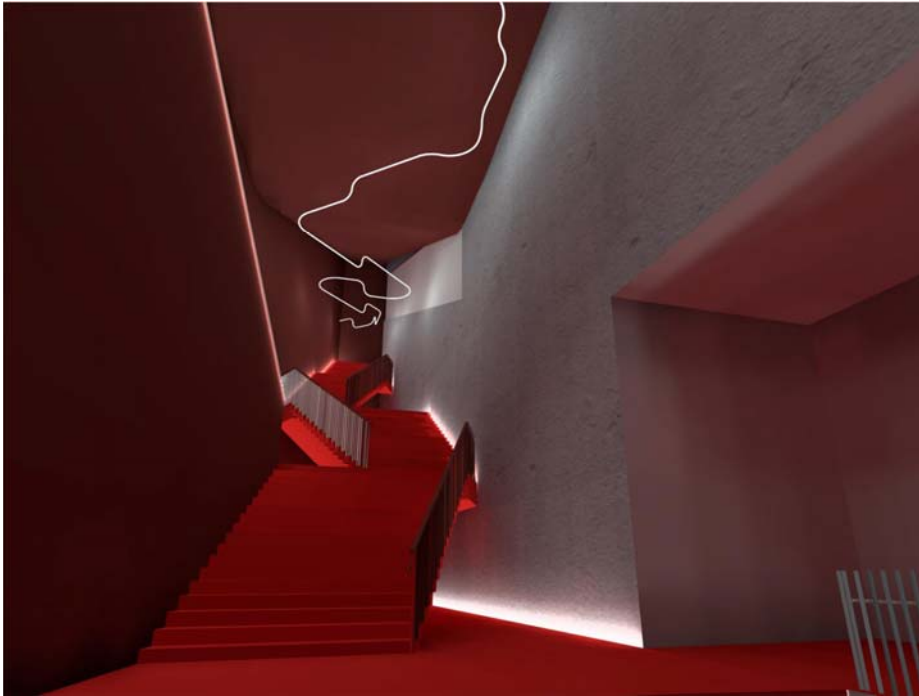
Ndërtesa 1 • Kati 1 • Holli

Zona e përdorshme (Lobby)



Prona	Ë (Nrrmativa)	E _{min.}	E _{max}	g ₁	g ₂	Indeksi
Zona e përdorshme (Lobby) Ndriçimi pingul (adattivo) Lartësia: 0.800 m, Zona diferencë : 0.000 m	359 lx (≥ 100 lx) ✓	173 lx	462 lx	0.48	0.37	S2

Profili i përdorimit: Sektori publik - zona të përbashkëta, salla hyrëse



ZET Tirana

Shkallet Kryesore (A)

Përmbajtja

Kopertina	1
Përmbajtja.....	2
Lista e ndricuesve	3

Detajet e produktit

. -. Group - SISTEMI AoLC/W LIN.180 MAST.TERM. 3000K (1x FTS1902533)	4
. -. Group - SISTEMI AoLS 45° MAST.TERM. DX 3000K (1x FTS1902543)	5
. -. Group - SISTEMI AoLS CURVA DOWN 3000K (1x FTS1902574)	6
. -. Group - SISTEMI AoLS CURVA UP 3000K (1x FTS1902573_ruotato_bis)	7
. -. Group - SISTEMI AoLS LIN.60 MAST.TERM. 3000K (1x FTS1902516)	8
Linear_LDT ._IT - Shirit- LED shirit, IP20 - 16 W (1x 007000039U30) _LDT ._IT -	9
Shirit- LED shirit, IP20 - 16 W (1x 007000039U30) Linear_LDT ._IT - Shirit- LED shirit, IP20 - 16 W (1x 007000039U30)	10
shirit, IP20 - 16 W (1x 007000039U30)	11

Zona 1 - Ndërtesa 1 - Kati 1

Shkallet kryesore (A)

Imazhe	12
Përmbajtja	20
Llogaritja e objekteve	22
Niveli i shkalleve04 / Ndriçimi pingul Niveli i shkalleve01 / Ndriçimi pingul Niveli i shkalleve05 / Ndriçimi pingul	24
.....	25
.....	26

Lista e ndricuesve

Φ_{totale} 438314 lm	P_{totale} 3609.0 W	Eficiencia 121.5 lm/W
-------------------------------------	---------------------------------	---------------------------------

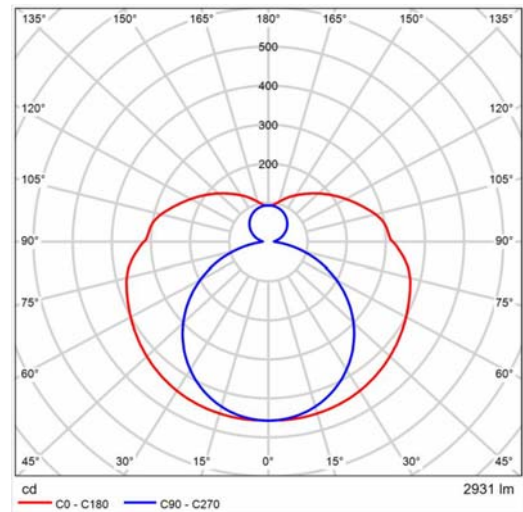
Pz.	Prodhuesi	ArtikulliNr.	Emertimi artikulli	P	Φ	Eficiencia
29	.	2100010A	SISTEMI AoLS LIN.60 MAST.TERM. 3000K	11.0 W	977 lm	88.8 lm/W
21	.	2113010A	SISTEMI AoLS 45° MAST.TERM. DX 3000K	11.0 W	964 lm	87.6 lm/W
7	.	2124010A	SISTEMI AoLS CURVA UP 3000K	8.0 W	635 lm	79.4 lm/W
7	.	2125010A	SISTEMI AoLS CURVA DOWN 3000K	8.0 W	611 lm	76.4 lm/W
3	.	2138010A	SISTEMI AoLC/W LIN.180 MAST.TERM. 3000K	33.0 W	2931 lm	88.8 lm/W
32	LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	2199 lm	137.4 lm/W
130	LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	2199 lm	137.4 lm/W
16	LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	999 lm	62.5 lm/W

Fletë teknike e produktit

. SISTEMI AoL C/W LIN.180 MAST.TERM. 3000K



ArtikulliNr.	2138010A
P	33.0 W
Φ Ndricuesi	2931 lm
Eficiencia	88.8 lm/W
CCT	3000 K
CRI	80



CDL polare

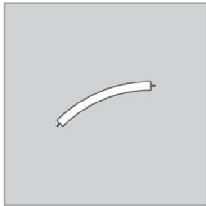
SISTEMI AoLC/W LIN.180 MAST.TERM. 3000K

Valutazione di abbagliamento secondo UGR											
		70	70	50	50	30	70	70	50	50	30
h Soffitto		70	70	50	50	30	70	70	50	50	30
h Pareti		50	30	50	30	30	50	30	50	30	30
h Pavimento		20	20	20	20	20	20	20	20	20	20
Dimensioni per locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
X	Y										
2H	2H	15.2	16.4	15.9	17.1	17.9	14.1	15.2	14.8	15.9	16.8
	3H	17.6	18.6	18.4	19.4	20.3	15.6	16.6	16.3	17.3	18.2
	4H	18.9	19.8	19.6	20.6	21.5	16.2	17.1	16.9	17.9	18.8
	6H	20.1	21.0	20.9	21.8	22.7	16.6	17.5	17.4	18.3	19.2
	8H	20.7	21.5	21.4	22.3	23.3	16.7	17.6	17.5	18.4	19.3
	12H	21.2	22.1	22.0	22.8	23.8	16.8	17.6	17.6	18.4	19.4
4H	2H	15.8	16.8	16.6	17.5	18.5	15.0	15.9	15.7	16.7	17.6
	3H	18.5	19.3	19.2	20.1	21.0	16.7	17.6	17.5	18.3	19.3
	4H	19.9	20.6	20.7	21.4	22.4	17.5	18.3	18.3	19.1	20.0
	6H	21.3	22.0	22.1	22.8	23.8	18.1	18.8	18.9	19.6	20.6
	8H	22.0	22.6	22.8	23.4	24.5	18.3	18.9	19.1	19.8	20.8
	12H	22.6	23.2	23.5	24.1	25.1	18.4	19.0	19.3	19.9	20.9
8H	4H	20.2	20.8	21.0	21.7	22.7	18.3	18.9	19.1	19.7	20.8
	6H	21.9	22.4	22.7	23.3	24.3	19.2	19.7	20.1	20.6	21.6
	8H	22.7	23.2	23.6	24.1	25.2	19.6	20.0	20.4	20.9	22.0
	12H	23.6	24.0	24.5	24.9	26.0	19.9	20.3	20.7	21.2	22.2
12H	4H	20.2	20.8	21.1	21.7	22.7	18.5	19.0	19.3	19.8	20.9
	6H	22.0	22.5	22.9	23.3	24.4	19.5	20.0	20.4	20.9	22.0
	8H	22.9	23.3	23.8	24.2	25.3	20.1	20.5	20.9	21.3	22.4
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.0				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.2				
S = 2.0H		+0.3 / -0.4					+0.2 / -0.4				
Tabella standard		BK11					BK14				
Addendo di correzione		8.0					3.7				
Indici di abbagliamento conetti riferiti a 2931lm Flusso luminoso sferico											

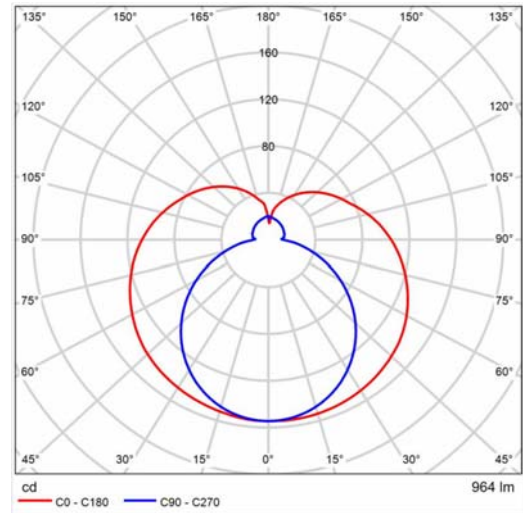
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

. SISTEMI AoLS 45° MAST.TERM. DX 3000K



ArtikulliNr.	2113010A
P	11.0 W
ΦNdricuesi	964 lm
Eficienca	87.6 lm/W
CCT	3000 K
CRI	80

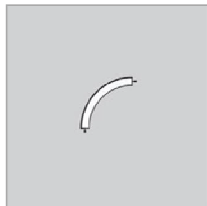


CDL polare

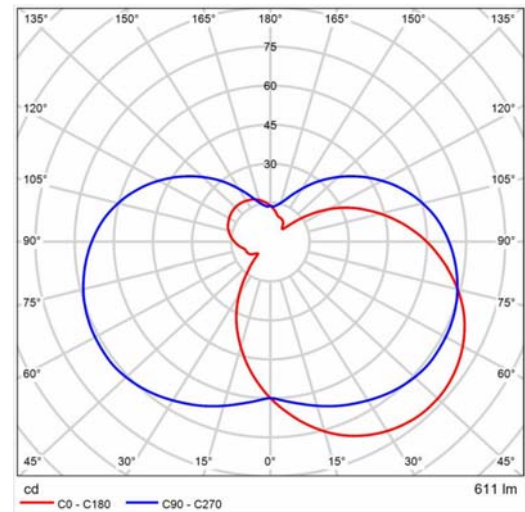
SISTEMI AoLS 45° MAST.TERM. DX 3000K

Fletë teknike e produktit

. SISTEMI AoLS CURVA DOWN 3000K



ArtikulliNr.	2125010A
P	8.0 W
ΦNdricuesi	611 lm
Eficienca	76.4 lm/W
CCT	3000 K
CRI	80

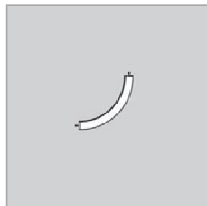


CDL polare

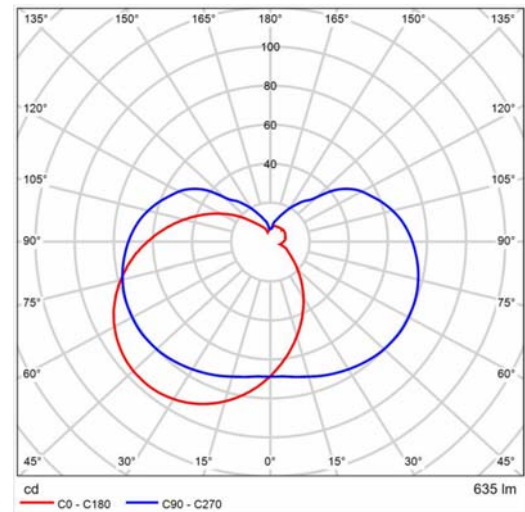
SISTEMI AoLS 3000K

Fletë teknike e produktit

. SISTEMI AoLS CURVA UP 3000K



ArtikulliNr.	2124010A
P	8.0 W
ΦNdricuesi	635 lm
Eficienca	79.4 lm/W
CCT	3000 K
CRI	80

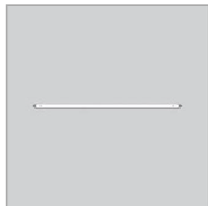


CDL polare

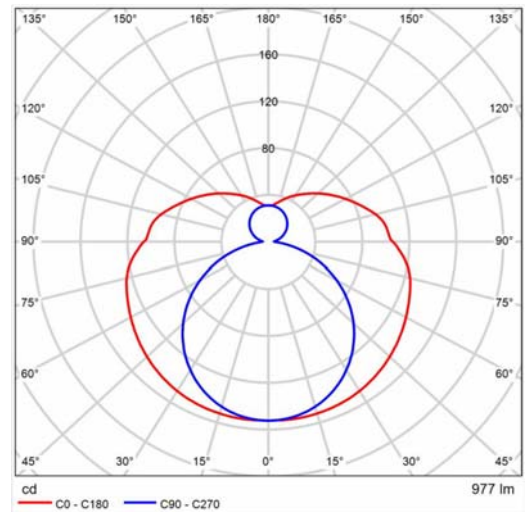
SISTEMI AoLS CURVA UP 3000K

Fletë teknike e produktit

. SISTEMI AoLS LIN.60 MAST.TERM. 3000K



ArtikulliNr.	2100010A
P	11.0 W
Φ Ndricuesi	977 lm
Eficiencia	88.8 lm/W
CCT	3000 K
CRI	80



CDL polare

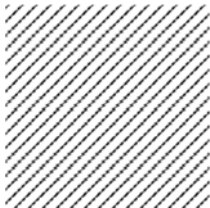
SISTEMI AoLS LIN.60 MAST.TERM. 3000K

Valutazione di abbagliamento secondo UGR											
		70	70	50	50	30	70	70	50	50	30
h Soffitto		50	30	50	30	30	50	30	50	30	30
h Pareti		20	20	20	20	20	20	20	20	20	20
h Pavimento											
Dimensioni per locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
X	Y										
2H	2H	15.3	16.4	16.0	17.1	18.0	14.0	15.1	14.7	15.8	16.7
	3H	17.7	18.7	18.4	19.5	20.4	15.5	16.5	16.2	17.2	18.1
	4H	19.0	19.9	19.7	20.7	21.6	16.0	17.0	16.8	17.7	18.7
	6H	20.2	21.1	20.9	21.8	22.8	16.4	17.3	17.2	18.1	19.0
	8H	20.8	21.6	21.5	22.4	23.4	16.5	17.4	17.3	18.2	19.1
	12H	21.3	22.2	22.1	22.9	23.9	16.6	17.4	17.3	18.2	19.1
4H	2H	15.9	16.9	16.6	17.6	18.5	14.9	15.9	15.7	16.6	17.5
	3H	18.5	19.3	19.3	20.1	21.1	16.6	17.5	17.4	18.3	19.2
	4H	20.0	20.7	20.8	21.5	22.5	17.4	18.1	18.2	18.9	19.9
	6H	21.4	22.0	22.2	22.9	23.9	17.9	18.6	18.8	19.4	20.4
	8H	22.1	22.7	22.9	23.5	24.5	18.1	18.7	19.0	19.6	20.6
	12H	22.7	23.3	23.6	24.1	25.2	18.2	18.8	19.1	19.6	20.7
8H	4H	20.3	20.9	21.1	21.7	22.8	18.2	18.8	19.0	19.6	20.7
	6H	22.0	22.5	22.8	23.3	24.4	19.1	19.6	19.9	20.4	21.5
	8H	22.8	23.3	23.7	24.1	25.2	19.4	19.9	20.3	20.8	21.8
	12H	23.7	24.1	24.6	25.0	26.1	19.7	20.1	20.6	21.0	22.1
12H	4H	20.3	20.9	21.1	21.7	22.7	18.4	19.0	19.2	19.8	20.8
	6H	22.1	22.5	22.9	23.4	24.5	19.4	19.9	20.3	20.8	21.8
	8H	23.0	23.4	23.9	24.3	25.4	19.9	20.3	20.8	21.2	22.3
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.2				
S = 2.0H		+0.3 / -0.4					+0.3 / -0.4				
Tabella standard		BK11					BK14				
Addendo di correzione		8.1					3.6				
Indici di abbagliamento conetti riferiti a 977lm Flusso luminoso sferico											

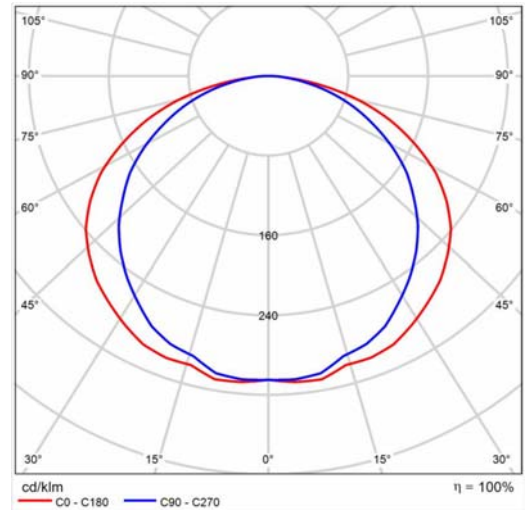
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

Linear_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	16.0 W
Φ Ndricues	2200 lm
Φ Ndricuesi	2199 lm
η	99.93 %
Eficiencia	137.4 lm/W
CCT	3000 K
CRI	85



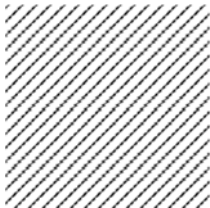
CDL polare

Valutazione di abbagliamento secondo UGR													
		70	70	50	50	30	70	70	50	50	30		
μ Soffitto		50	30	50	30	30	50	30	50	30	30		
μ Pareti		20	20	20	20	20	20	20	20	20	20		
μ Pavimento		20	20	20	20	20	20	20	20	20	20		
Lampadare del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade						
X	Y	2H	2H	2H	2H	2H	2H	2H	2H	2H	2H		
		28.7	30.1	29.0	30.4	30.6	27.4	28.8	27.7	29.1	29.3		
		30.7	31.9	31.0	32.2	32.5	29.0	30.3	29.3	30.5	30.8		
		31.5	32.7	31.8	33.0	33.3	29.6	30.8	30.0	31.1	31.4		
		32.0	33.1	32.4	33.4	33.8	30.1	31.2	30.4	31.5	31.8		
		32.2	33.3	32.5	33.6	33.9	30.2	31.3	30.6	31.6	32.0		
		32.2	33.3	32.6	33.6	34.0	30.3	31.4	30.7	31.7	32.0		
		4H	2H	29.3	30.5	29.7	30.8	31.1	28.3	29.5	28.6	29.8	30.1
		3H	31.4	32.5	31.8	32.8	33.1	30.0	31.1	30.4	31.4	31.7	
		4H	32.4	33.3	32.8	33.7	34.0	30.8	31.7	31.2	32.1	32.5	
		6H	33.1	33.9	33.5	34.3	34.7	31.4	32.2	31.8	32.6	33.0	
		8H	33.3	34.1	33.7	34.5	34.9	31.6	32.3	32.0	32.7	33.1	
		12H	33.4	34.1	33.9	34.5	35.0	31.7	32.4	32.1	32.8	33.2	
		8H	4H	32.6	33.4	33.0	33.8	34.2	31.2	32.0	31.7	32.4	32.8
		6H	33.5	34.1	33.9	34.5	35.0	31.9	32.6	32.4	33.0	33.5	
		8H	33.8	34.3	34.2	34.8	35.2	32.2	32.8	32.7	33.2	33.7	
		12H	34.0	34.4	34.5	34.9	35.4	32.4	32.9	32.9	33.3	33.8	
		12H	4H	32.6	33.3	33.1	33.7	34.2	31.3	32.0	31.7	32.4	32.8
		6H	33.5	34.1	34.0	34.5	35.0	32.0	32.6	32.5	33.0	33.5	
		8H	33.8	34.3	34.3	34.8	35.3	32.3	32.8	32.8	33.3	33.8	
Variazione della posizione dell'osservatore per le distanze delle lampade S													
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1						
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3						
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7						
Tabella standard		BK07					BK06						
Addendo di correzione		17.0					15.0						
Indici di abbagliamento corretti riferiti a 2200lm Flusso luminoso sferico													

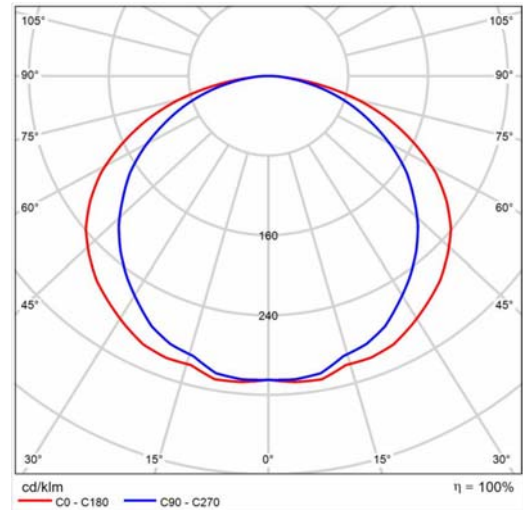
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

Linear_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	16.0 W
Φ Ndricues	2200 lm
Φ Ndricuesi	2199 lm
η	99.93 %
Eficiencia	137.4 lm/W
CCT	3000 K
CRI	85



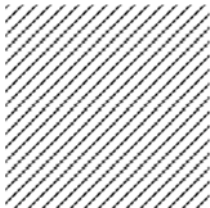
CDL polare

Valutazione di abbagliamento secondo UGR													
		70	70	50	50	30	70	70	50	50	30		
μ Soffitto		50	30	50	30	30	50	30	50	30	30		
μ Pareti		20	20	20	20	20	20	20	20	20	20		
μ Pavimento		20	20	20	20	20	20	20	20	20	20		
Lampadare del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade						
X	Y	2H	2H	2H	2H	2H	2H	2H	2H	2H	2H		
		28.7	30.1	29.0	30.4	30.6	27.4	28.8	27.7	29.1	29.3		
		30.7	31.9	31.0	32.2	32.5	29.0	30.3	29.3	30.5	30.8		
		31.5	32.7	31.8	33.0	33.3	29.6	30.8	30.0	31.1	31.4		
		32.0	33.1	32.4	33.4	33.8	30.1	31.2	30.4	31.5	31.8		
		32.2	33.3	32.5	33.6	33.9	30.2	31.3	30.6	31.6	32.0		
		32.2	33.3	32.6	33.6	34.0	30.3	31.4	30.7	31.7	32.0		
		4H	2H	29.3	30.5	29.7	30.8	31.1	28.3	29.5	28.6	29.8	30.1
		3H	31.4	32.5	31.8	32.8	33.1	30.0	31.1	30.4	31.4	31.7	
		4H	32.4	33.3	32.8	33.7	34.0	30.8	31.7	31.2	32.1	32.5	
		6H	33.1	33.9	33.5	34.3	34.7	31.4	32.2	31.8	32.6	33.0	
		8H	33.3	34.1	33.7	34.5	34.9	31.6	32.3	32.0	32.7	33.1	
		12H	33.4	34.1	33.9	34.5	35.0	31.7	32.4	32.1	32.8	33.2	
		8H	4H	32.6	33.4	33.0	33.8	34.2	31.2	32.0	31.7	32.4	32.8
		6H	33.5	34.1	33.9	34.5	35.0	31.9	32.6	32.4	33.0	33.5	
		8H	33.8	34.3	34.2	34.8	35.2	32.2	32.8	32.7	33.2	33.7	
		12H	34.0	34.4	34.5	34.9	35.4	32.4	32.9	32.9	33.3	33.8	
		12H	4H	32.6	33.3	33.1	33.7	34.2	31.3	32.0	31.7	32.4	32.8
		6H	33.5	34.1	34.0	34.5	35.0	32.0	32.6	32.5	33.0	33.5	
		8H	33.8	34.3	34.3	34.8	35.3	32.3	32.8	32.8	33.3	33.8	
Variazione della posizione dell'osservatore per le distanze delle lampade S													
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1						
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3						
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7						
Tabella standard		BK07					BK06						
Addendo di correzione		17.0					15.0						
Indici di abbagliamento corretti riferiti a 2200lm Flusso luminoso sferico													

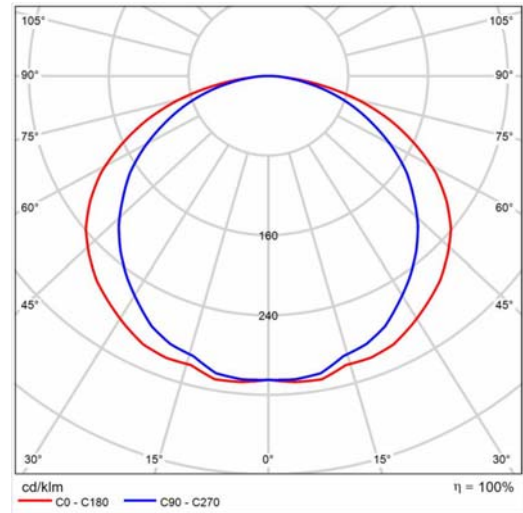
Diagrama UGR (SHR: 0.25)

Fletë teknike e produktit

Lineare_LDT . _IT Shirit- LED shirit, IP20 - 16 W



ArtikulliNr.	98636
P	16.0 W
$\Phi_{Ndricues}$	1000 lm
$\Phi_{NdricuesI}$	999 lm
η	99.93 %
Eficiencia	62.5 lm/W
CCT	3000 K
CRI	85

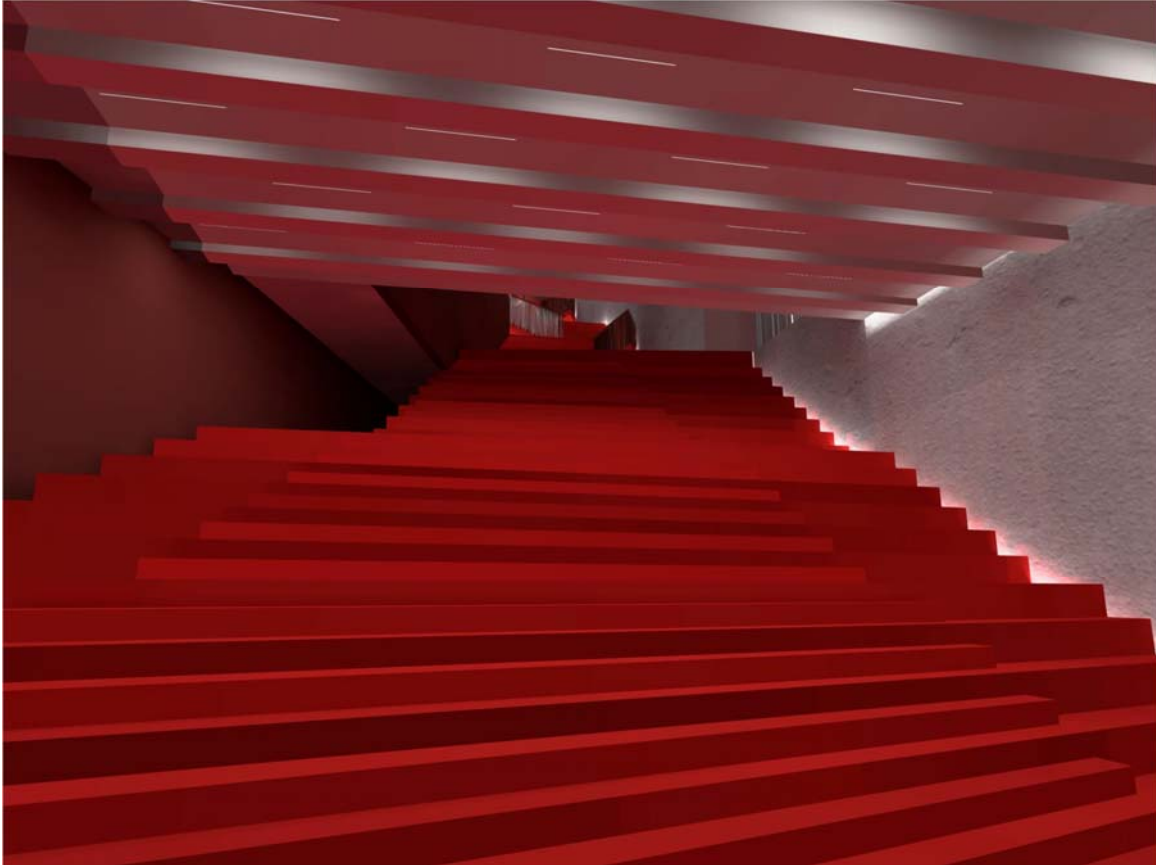


CDL polare

Valutazione di abbagliamento secondo UGR											
		70	70	50	50	30	70	70	50	50	30
μ	Soffitto	50	30	50	30	30	50	30	50	30	30
μ	Pareti	20	20	20	20	20	20	20	20	20	20
μ	Pavimento	20	20	20	20	20	20	20	20	20	20
Lampadare del locale		Linea di mira perpendicolare all'asse delle lampade					Linea di mira parallela all'asse delle lampade				
	X Y										
2H	2H	26.0	27.4	26.3	27.6	27.9	24.7	26.1	25.0	26.3	26.6
	3H	27.9	29.2	28.3	29.5	29.8	26.2	27.5	26.6	27.8	28.1
	4H	28.7	29.9	29.1	30.2	30.6	26.9	28.1	27.2	28.4	28.7
	6H	29.3	30.4	29.6	30.7	31.0	27.3	28.5	27.7	28.8	29.1
	8H	29.4	30.5	29.8	30.8	31.2	27.5	28.6	27.9	28.9	29.2
4H	2H	26.6	27.8	26.9	28.1	28.4	25.6	26.8	25.9	27.1	27.4
	3H	28.7	29.7	29.1	30.1	30.4	27.3	28.3	27.7	28.7	29.0
	4H	29.6	30.6	30.0	30.9	31.3	28.1	29.0	28.5	29.3	29.7
	6H	30.3	31.2	30.8	31.5	31.9	28.6	29.4	29.0	29.8	30.2
	8H	30.6	31.3	31.0	31.7	32.1	28.8	29.6	29.3	30.0	30.4
8H	2H	26.6	27.8	26.9	28.1	28.4	25.6	26.8	25.9	27.1	27.4
	3H	28.7	29.7	29.1	30.1	30.4	27.3	28.3	27.7	28.7	29.0
	4H	29.6	30.6	30.0	30.9	31.3	28.1	29.0	28.5	29.3	29.7
	6H	30.3	31.2	30.8	31.5	31.9	28.6	29.4	29.0	29.8	30.2
	8H	30.6	31.3	31.0	31.7	32.1	28.8	29.6	29.3	30.0	30.4
12H	2H	26.6	27.8	26.9	28.1	28.4	25.6	26.8	25.9	27.1	27.4
	3H	28.7	29.7	29.1	30.1	30.4	27.3	28.3	27.7	28.7	29.0
	4H	29.6	30.6	30.0	30.9	31.3	28.1	29.0	28.5	29.3	29.7
	6H	30.3	31.2	30.8	31.5	31.9	28.6	29.4	29.0	29.8	30.2
	8H	30.6	31.3	31.0	31.7	32.1	28.8	29.6	29.3	30.0	30.4
12H	4H	29.9	30.6	30.3	31.0	31.5	28.5	29.3	28.9	29.6	30.1
	6H	30.7	31.3	31.2	31.8	32.2	29.2	29.8	29.7	30.3	30.7
	8H	31.0	31.6	31.5	32.0	32.5	29.5	30.0	29.9	30.5	31.0
	12H	31.2	31.7	31.7	32.2	32.7	29.7	30.1	30.2	30.6	31.1
	8H	29.9	30.6	30.3	31.0	31.4	28.5	29.2	29.0	29.7	30.1
12H	6H	30.8	31.3	31.2	31.8	32.2	29.3	29.9	29.8	30.3	30.8
	8H	31.1	31.6	31.6	32.1	32.6	29.6	30.1	30.1	30.6	31.1
	12H	31.2	31.7	31.7	32.2	32.7	29.7	30.1	30.2	30.6	31.1
Variazione della posizione dell'osservatore per le distanze delle lampade S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3				
S = 2.0H		+0.4 / -0.4					+0.4 / -0.7				
Tabella standard		BK07					BK06				
Addendo di correzione		14.2					12.3				
Indici di abbagliamento corretti riferiti a 1000lm Flusso luminoso sferico											

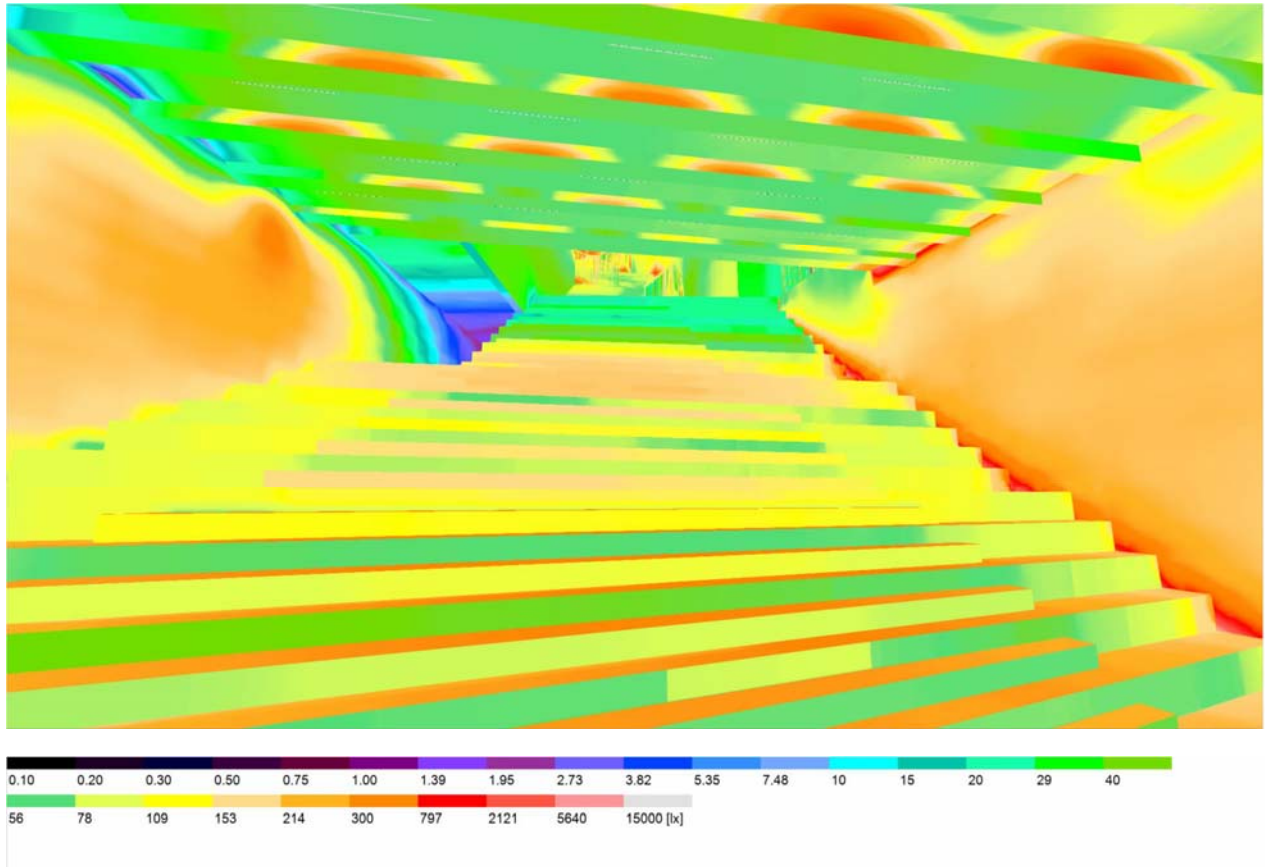
Diagrama UGR (SHR: 0.25)

Imazhe



Pamja 01

Imazhe



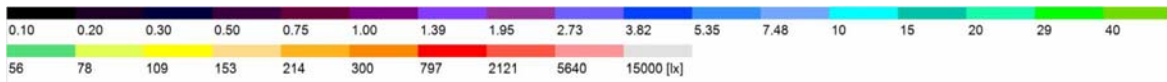
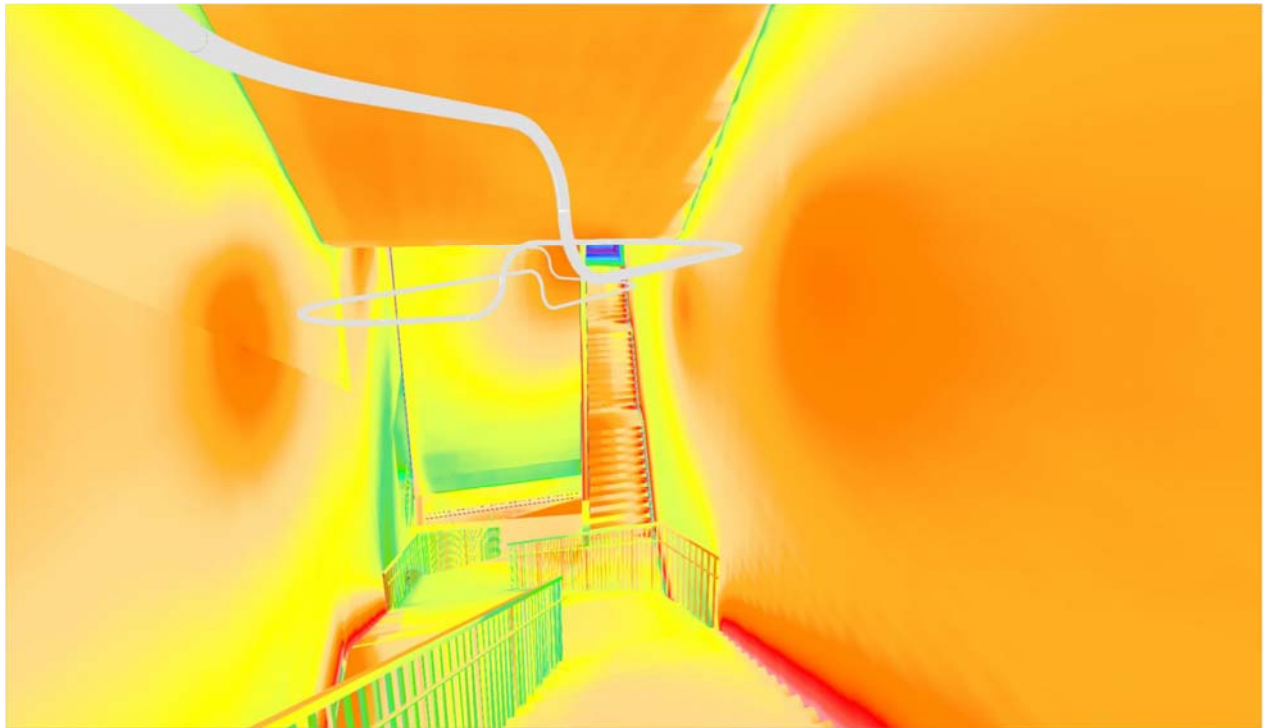
Pamja 01

Imazhe



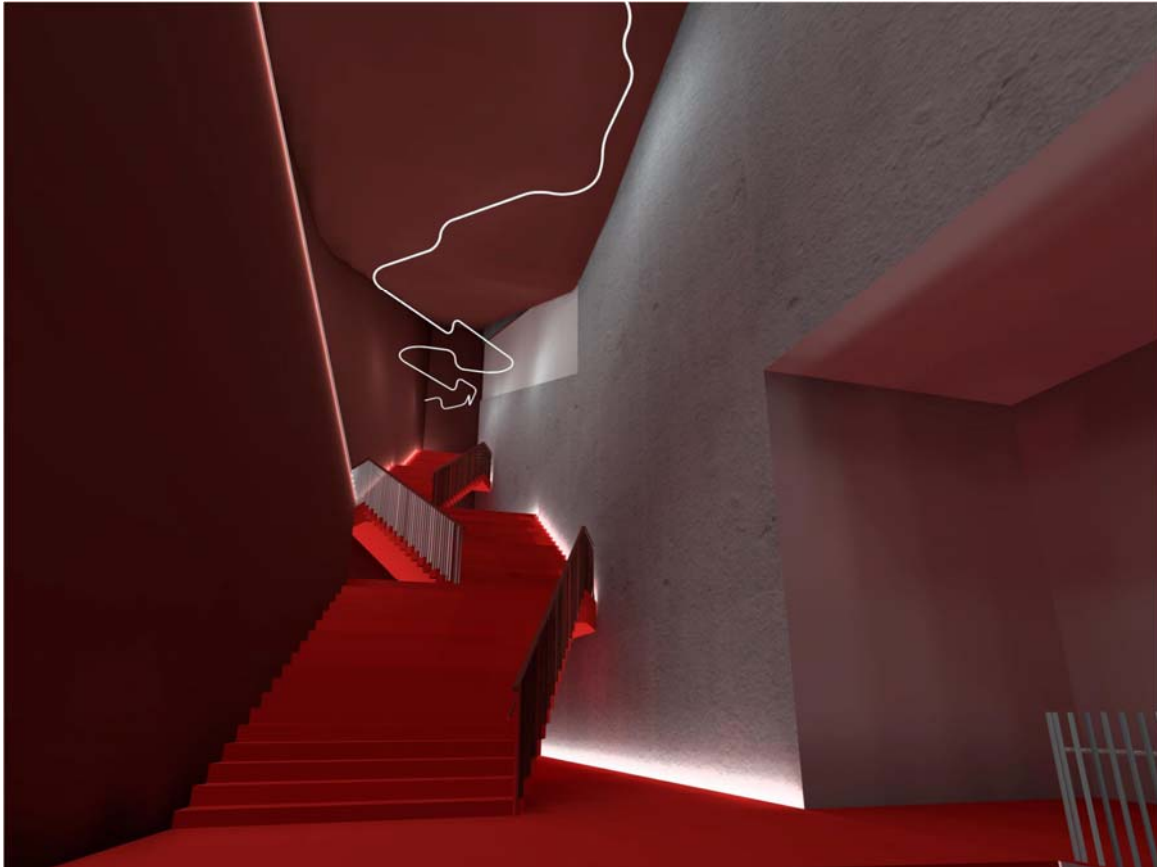
Pamja 02

Imazhe



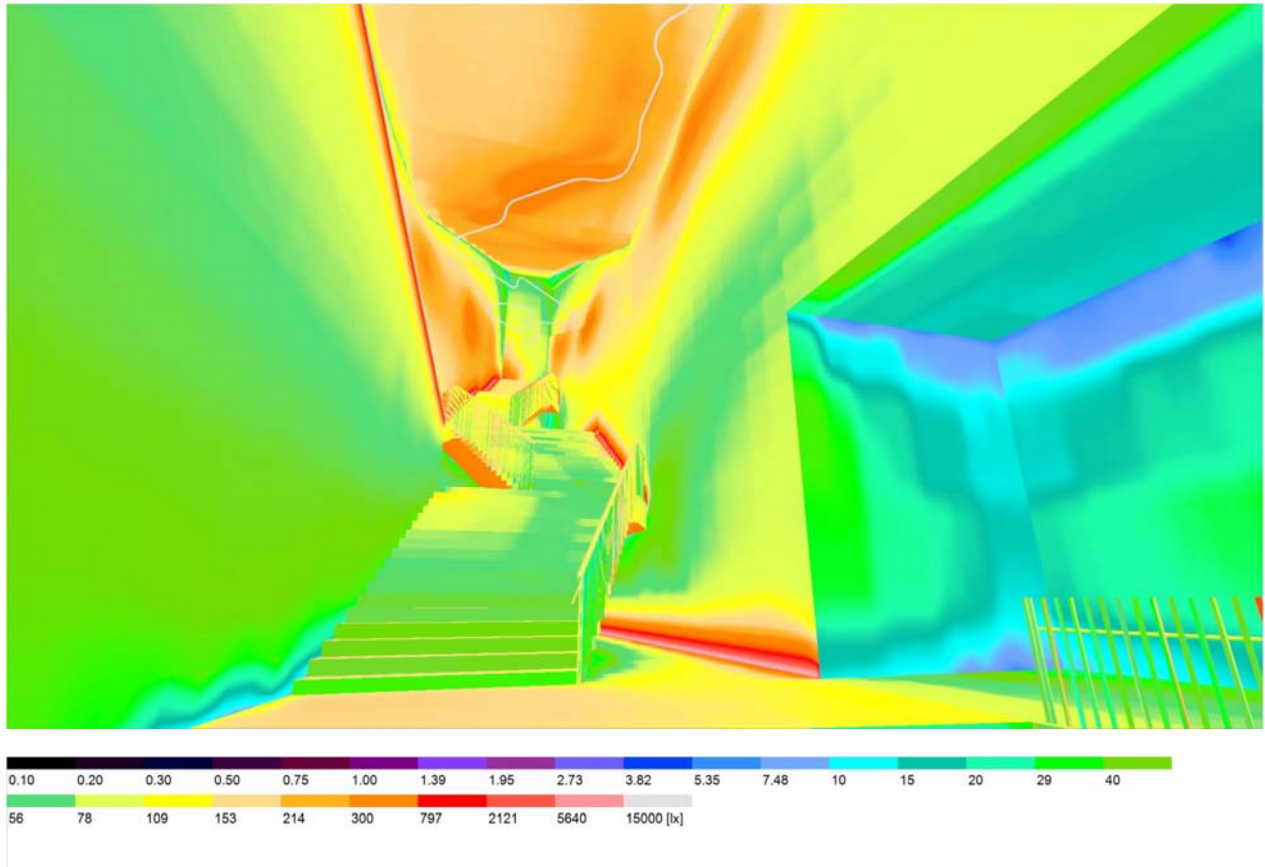
Pamja 02

Imazhe



Pamja 03

Imazhe



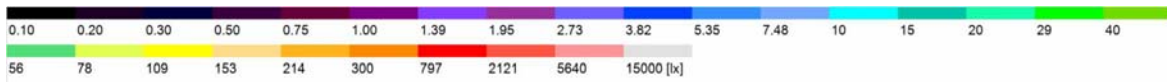
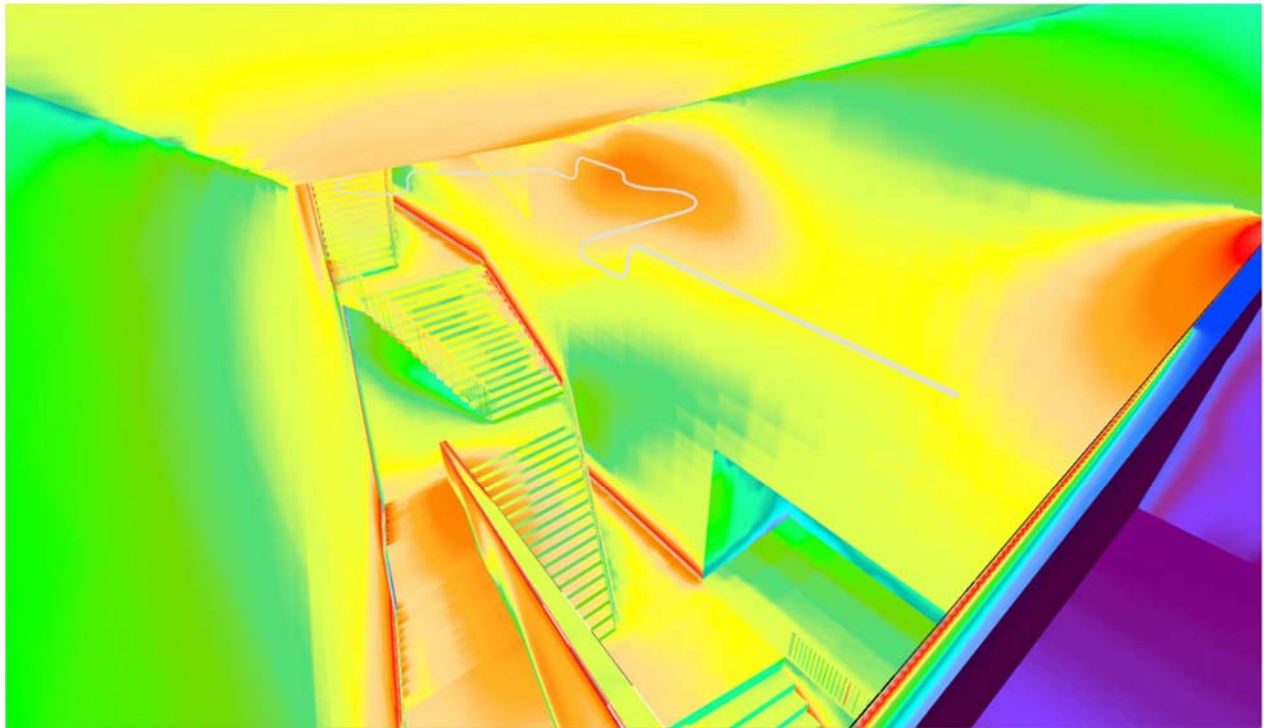
Pamja 03

Imazhe



Pamja 04

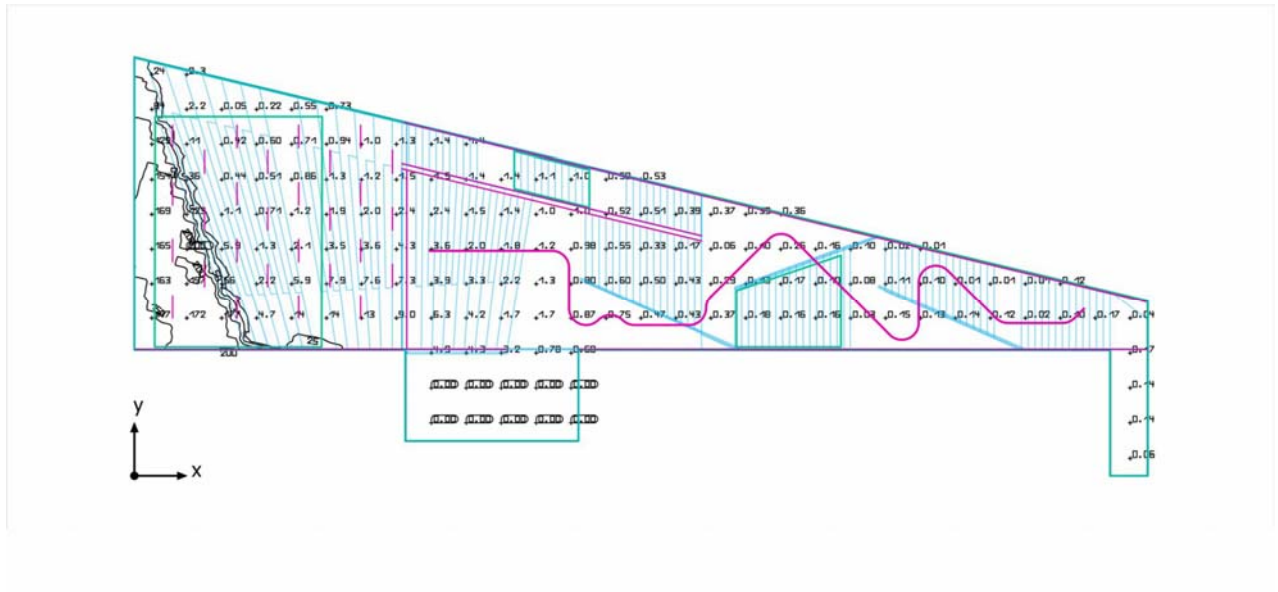
Imazhe



Pamja 04

Ndertesja 1 · Kati 1 · Shkallet kryesore A

Permbajtja



Ndertesa 1 · Kati 1 · Shkallet kryesore A

Permbajtja**Rezultati**

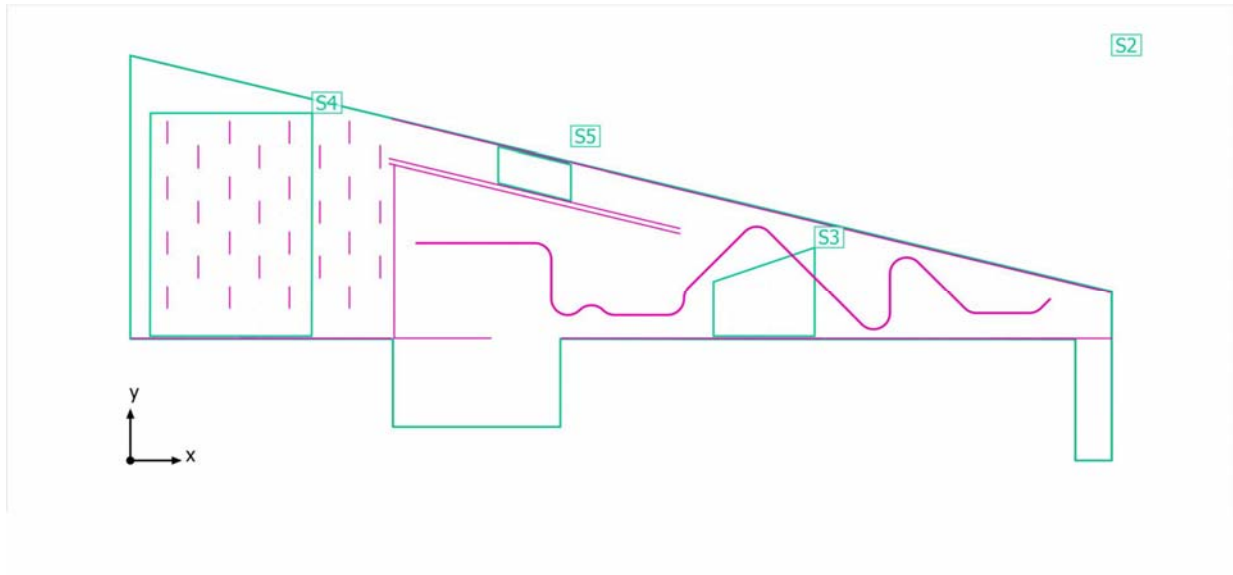
	Njesia	Kalkulime	Nrrmativa	OK
Zona e përdorshme	Ë	15.4 lx	≥ 100 lx	✗
	g ₁	0.000	-	-
Vlerat e konsumit	Vlerat e konsumit	3950 kWh/a	max. 13150 kWh/a	✓
Vlera e lidhjes specifike	Lokale	9.62 W/m ²	-	-
		62.55 W/m ² /100 lx	-	-

Profilo di utilizzo: Zone di transito all'interNr di edifici, Scale, scale mobili, nastri trasportatori

Lista e ndricuesve

Pz.	Prodhuesi	ArtikulliNr.	Emertimi artikulli	P	Φ	Eficiencia
29	.	2100010A	SISTEMI AoLS LIN.60 MAST.TERM. 3000K	11.0 W	977 lm	88.8 lm/W
21	.	2113010A	SISTEMI AoLS 45° MAST.TERM. DX 3000K	11.0 W	964 lm	87.6 lm/W
7	.	2124010A	SISTEMI AoLS CURVA UP 3000K	8.0 W	635 lm	79.4 lm/W
7	.	2125010A	SISTEMI AoLS CURVA DOWN 3000K	8.0 W	611 lm	76.4 lm/W
3	.	2138010A	SISTEMI AoLC/W LIN.180 MAST.TERM. 3000K	33.0 W	2931 lm	88.8 lm/W
32	Linear_ LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	2199 lm	137.4 lm/W
130	Linear_ LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	2199 lm	137.4 lm/W
16	Linear_ LDT _IT	98636	Shirit- LED shirit, IP20 - 16 W	16.0 W	999 lm	62.5 lm/W

Ndertesa 1 · Kati 1 · Shkallet kryesore A
Llogaritja e objekteve



Ndertesë 1 · Kati 1 · Shkallët kryesore A

Llogaritja e objekteve

Sipërfaqe të dobishme

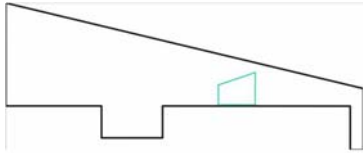
Prona	\bar{E} (Normativa)	$E_{min.}$	E_{max}	g_1	g_2	Indeksi
Zona e përdorshme (Main stairs A) Ndriçimi pingul (adattivo) Lartësia: 0.000 m, Zona diferencë : 0.000 m	15.4 lx (≥ 100 lx) ✗	0.004 lx	211 lx	0.000	0.000	S2

Llogaritja e sipërfaqeve

Prona	\bar{E}	$E_{min.}$	E_{max}	g_1	g_2	Indeksi
Niveli i shkalleve04 Ndriçimi pingul Lartësia: 12.280 m	101 lx	78.7 lx	125 lx	0.78	0.63	S3
Niveli i shkalleve01 Ndriçimi pingul Lartësia: 2.030 m	262 lx	112 lx	419 lx	0.43	0.27	S4
Niveli i shkalleve05 Ndriçimi pingul Lartësia: 13.929 m	240 lx	161 lx	322 lx	0.67	0.50	S5

Përdorni profilin: zona tranzit brenda ndërtesave, shkallët, shkallët lëvizëse, rripat transportues

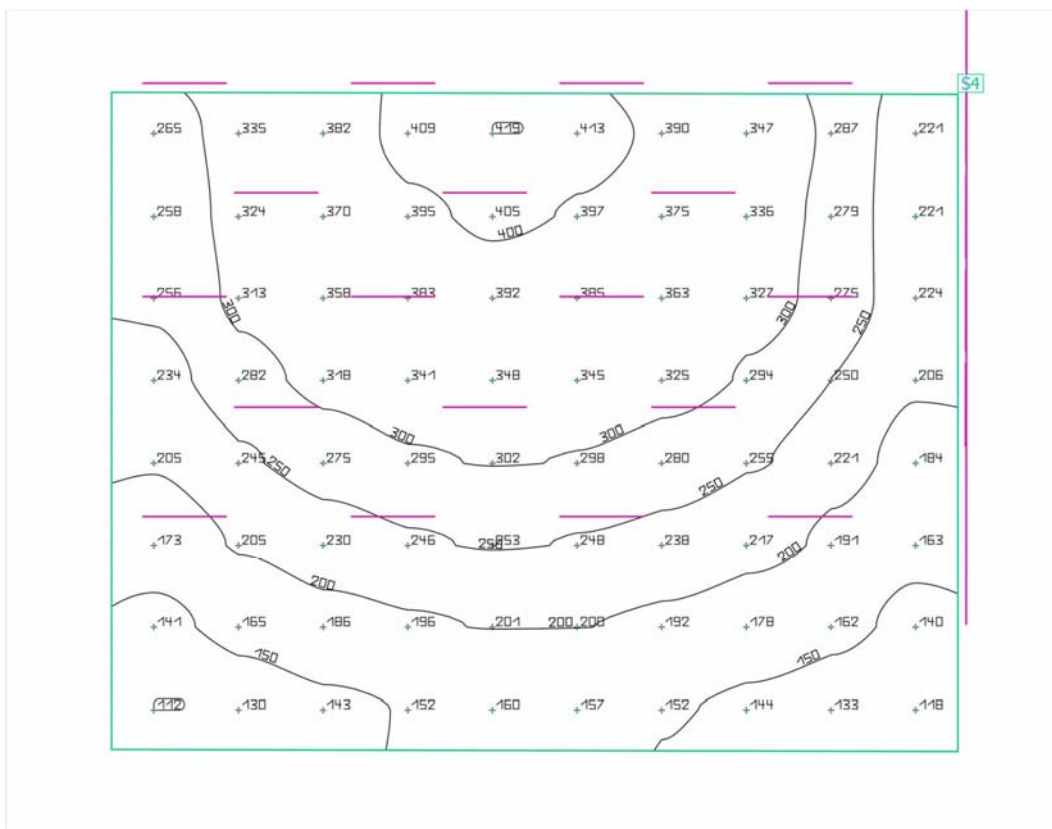
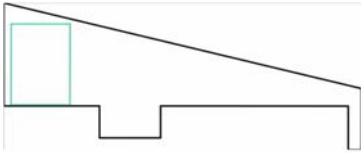
Ndertesa 1 · Kati 1 · Shkallet kryesore A
 Shkallet niveli 04



Prona	Ë	E _{min.}	E _{max.}	g ₁	g ₂	Indeksi
Niveli i shkalleve04 Ndriçimi pingul Lartësia: 12.280 m	101 lx	78.7 lx	125 lx	0.78	0.63	S3

Profili i përdorimit: Zonat tranzit brenda ndërtesave, Shkallët, shkallët lëvizëse, rripat

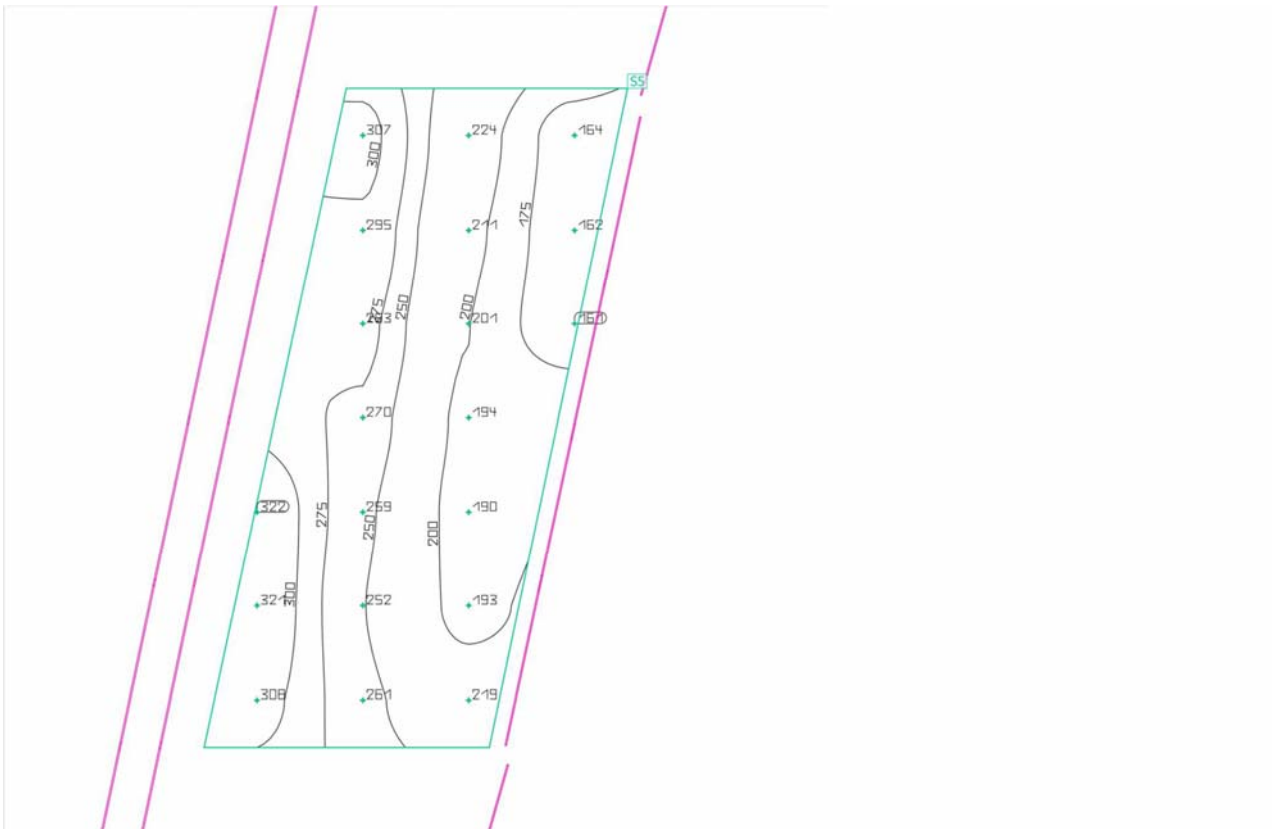
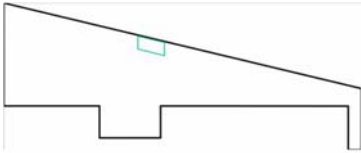
Ndertesa 1 · Kati 1 · Shkallet kryesore A
Shkallet niveli 01



Prona	Ë	E _{min.}	E _{max.}	g ₁	g ₂	Indeksi
Niveli i shkalleve01	262 lx	112 lx	419 lx	0.43	0.27	S4
Ndriçimi pingul						
Lartësia: 2.030 m						

Profili i përdorimit: Zonat tranzit brenda ndërtesave, Shkallët, shkallët lëvizëse, rripat

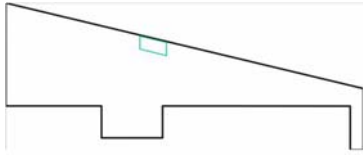
Ndertesa 1 · Kati 1 · Shkallet kryesore A
 Shkallet niveli 05



Prona	Ë	E _{min.}	E _{max.}	g ₁	g ₂	Indeksi
Niveli i shkalleve05 Ndriçimi pingul Lartësia: 13.929 m	240 lx	161 lx	322 lx	0.67	0.50	S5

Profili i përdorimit: Zonat tranzit brenda ndërtesave, Shkallët, shkallët lëvizëse, rripat

Ndertesa 1 · Kati 1 · Shkallet kryesore A
Shkallet niveli 05



Profili i përdorimit: Zonat tranzit brenda ndërtesave, Shkallët, shkallët lëvizëse, rripat