

II. Hala, Denná Údržba Autobusov, Jurajov Dvor

Dopravný podnik Bratislava, a.s.
Olejkárska 1, 81452 BA

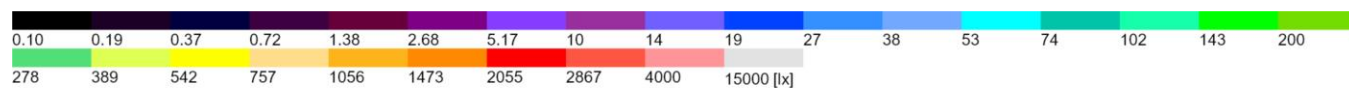
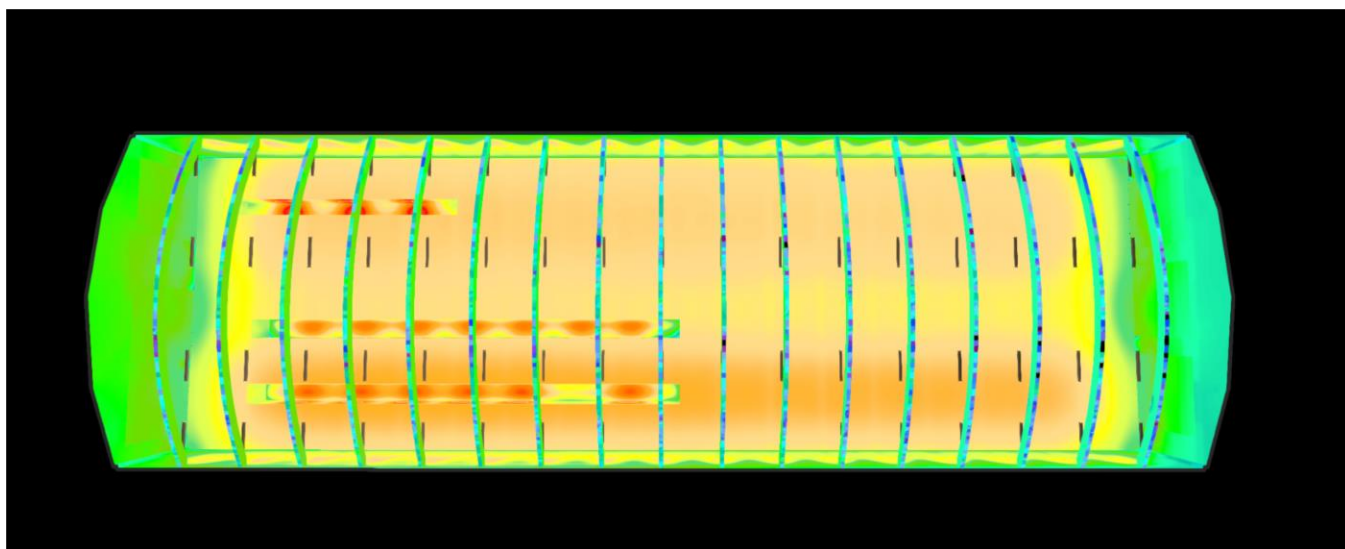
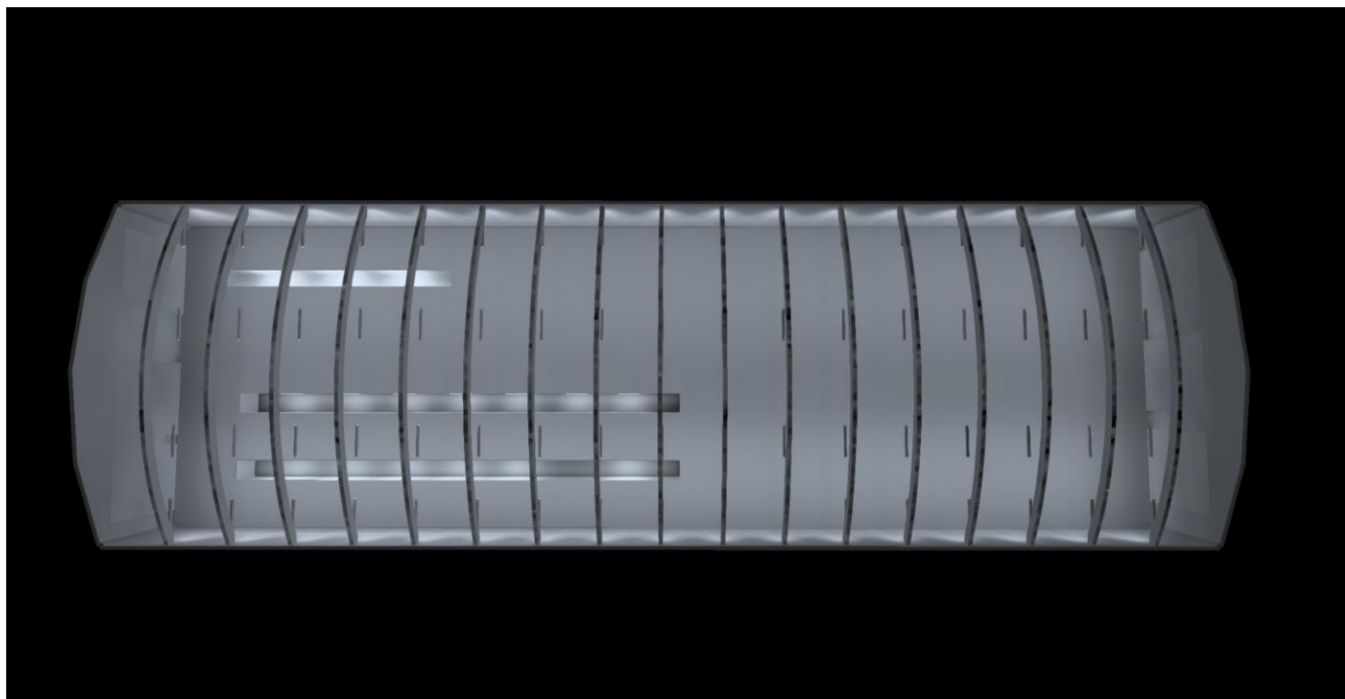
PL/2025/2714

Luminaire list

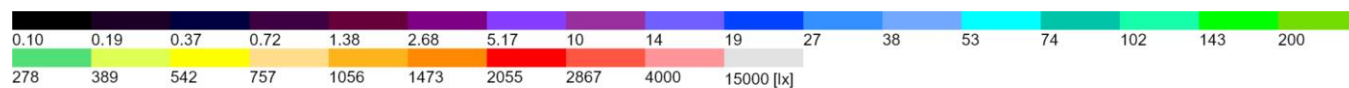
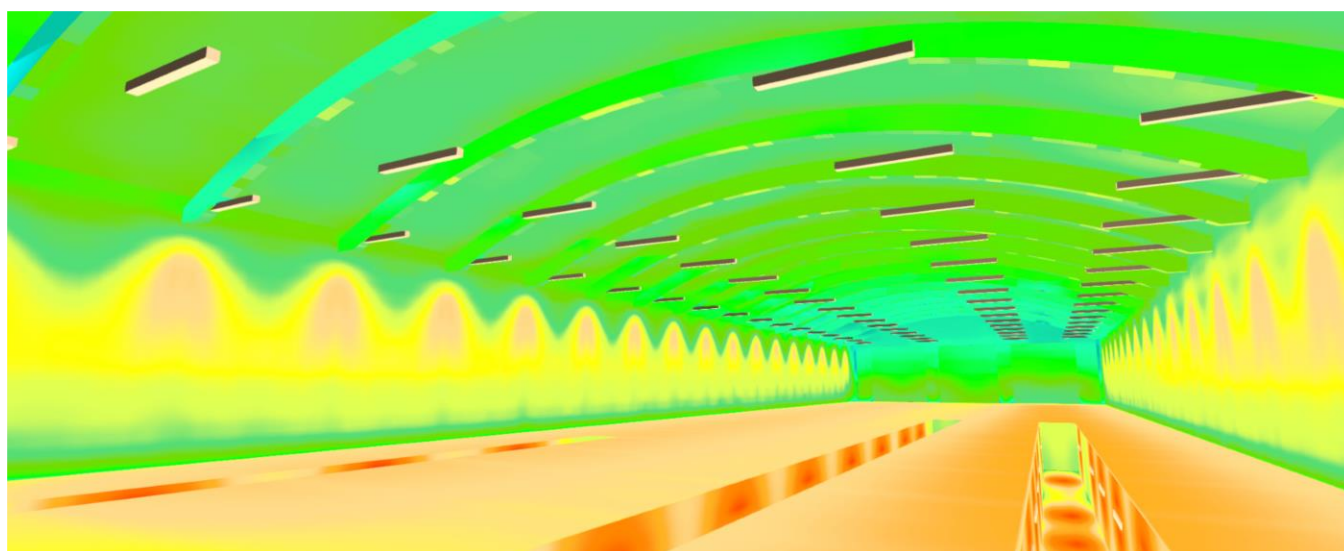
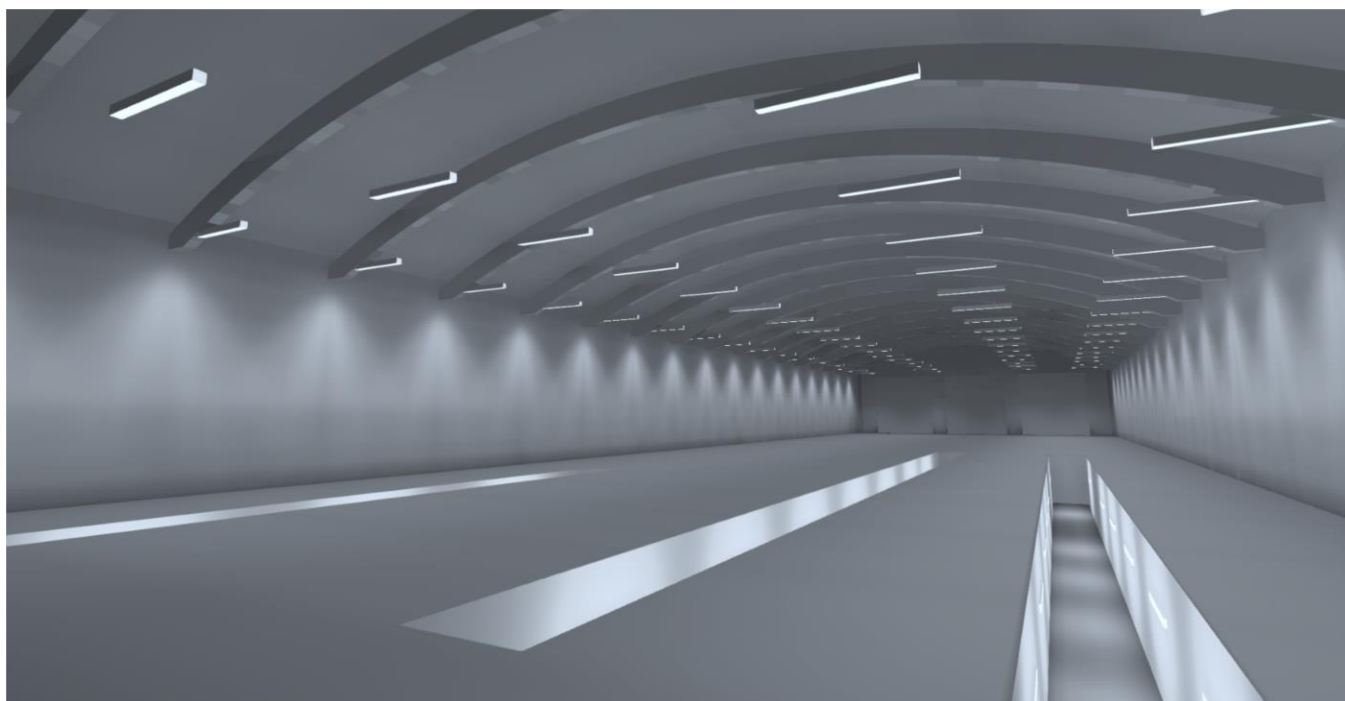
Φ_{total} 1141008 lm	P_{total} 7308.4 W	Luminous efficacy 156.1 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
32	LUXIONA		NEPTUN LED V2 8800 PC OPAL EDD 24V DC 21 IP66 840 / 1200X92X60MM	48.4 W	7394 lm	152.8 lm/W
68	LUXIONA	19.4344.36 23.21	NEPTUN INDUSTRY LED 15000 PC-T OPTICS-90 EDD 21 IP66 840 / 1563 HT50	84.7 W	13300 lm	157.0 lm/W

Images

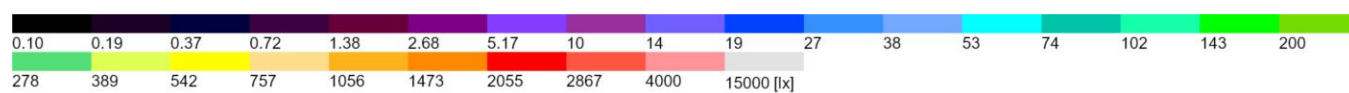


Images



(Light scene 2)

Calculation objects



(Light scene 2)

Calculation objects

Working planes

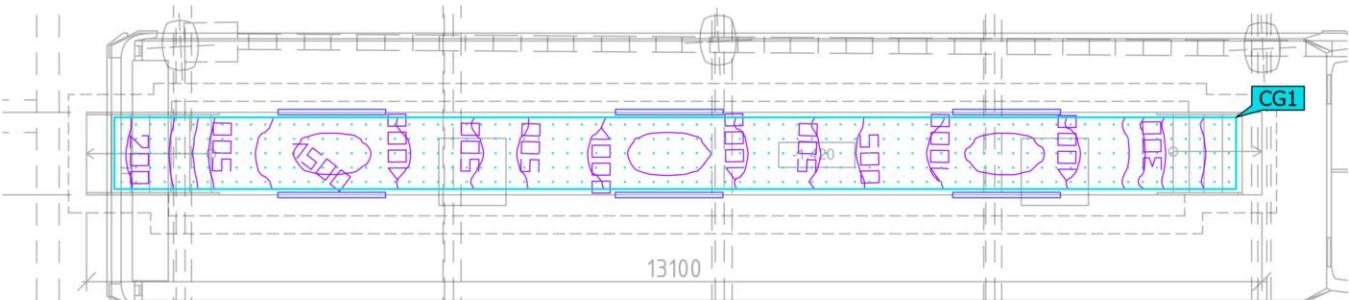
Properties	\bar{E}	E_{\min}	E_{\max}	$U_o (g_1)$	g_2	Index
Working plane (Hala) Perpendicular illuminance (adaptive) Height: 0.010 m, Wall zone: 0.300 m	27.0 lx	1.72 lx	63.4 lx	0.064	0.027	WP1

Calculation surfaces

Properties	\bar{E}	E_{\min}	E_{\max}	$U_o (g_1)$	g_2	Index
Calculation surface 1 Perpendicular illuminance Height: -1.360 m	856 lx	164 lx	1771 lx	0.19	0.093	CG1
Calculation surface 2 Perpendicular illuminance Height: -1.660 m	751 lx	176 lx	1104 lx	0.23	0.16	CG2
Calculation surface 3 Perpendicular illuminance Height: -1.660 m	648 lx	145 lx	1106 lx	0.22	0.13	CG3

(Light scene 2)

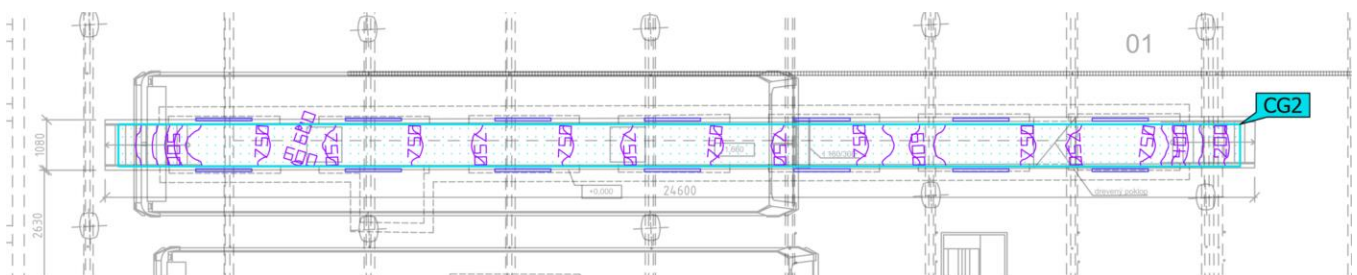
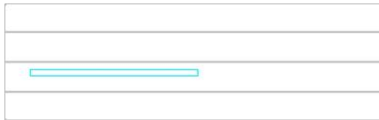
Calculation surface 1



Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 1 Perpendicular illuminance Height: -1.360 m	856 lx	164 lx	1771 lx	0.19	0.093	CG1

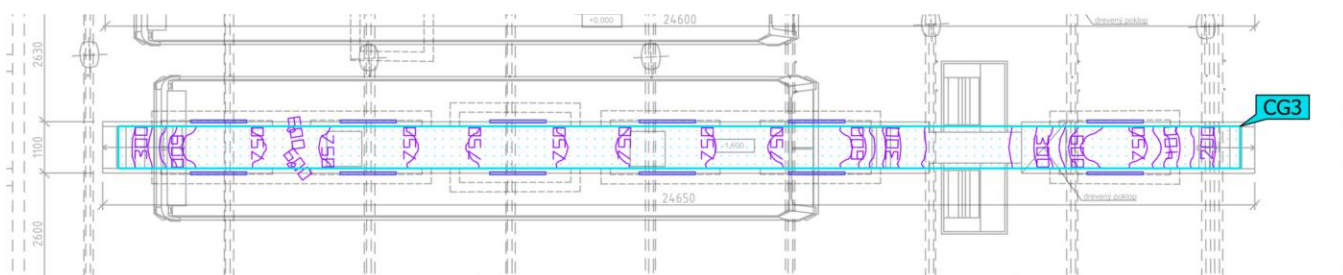
(Light scene 2)

Calculation surface 2



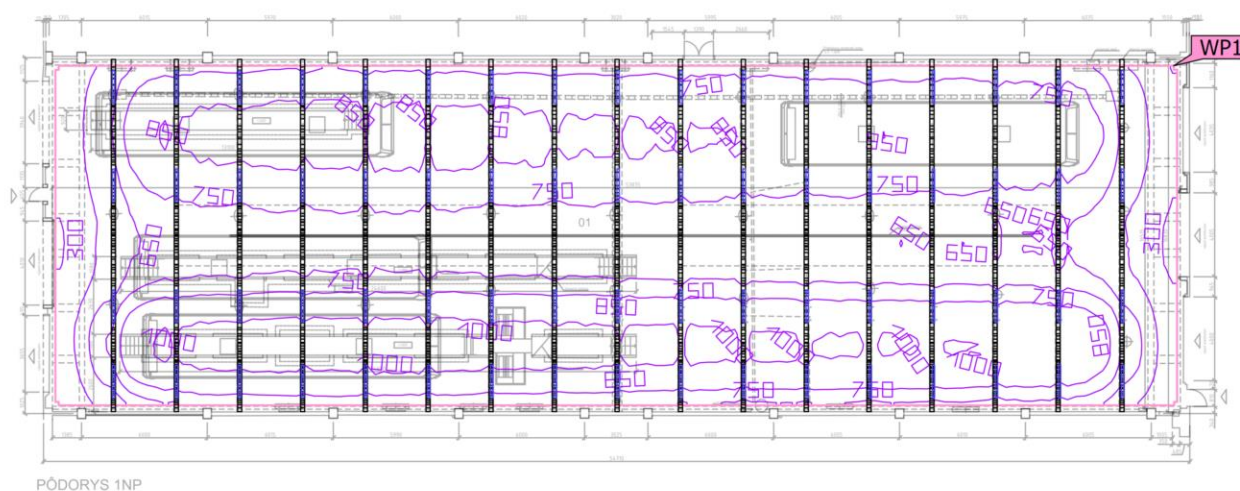
Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 2 Perpendicular illuminance Height: -1.660 m	751 lx	176 lx	1104 lx	0.23	0.16	CG2

(Light scene 2)

Calculation surface 3

Properties	\bar{E}	E_{\min}	E_{\max}	$U_o (g_1)$	g_2	Index
Calculation surface 3	648 lx	145 lx	1106 lx	0.22	0.13	CG3
Perpendicular illuminance						
Height: -1.660 m						

Hala (Light scene 1)

Summary

Ground area	909.85 m ²
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Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %
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Maintenance factor	0.80 (fixed)
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Mounting height	4.500 m
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Height _{Working plane}	0.010 m
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Wall zone _{Working plane}	0.300 m
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Hala (Light scene 1)

Summary

Results

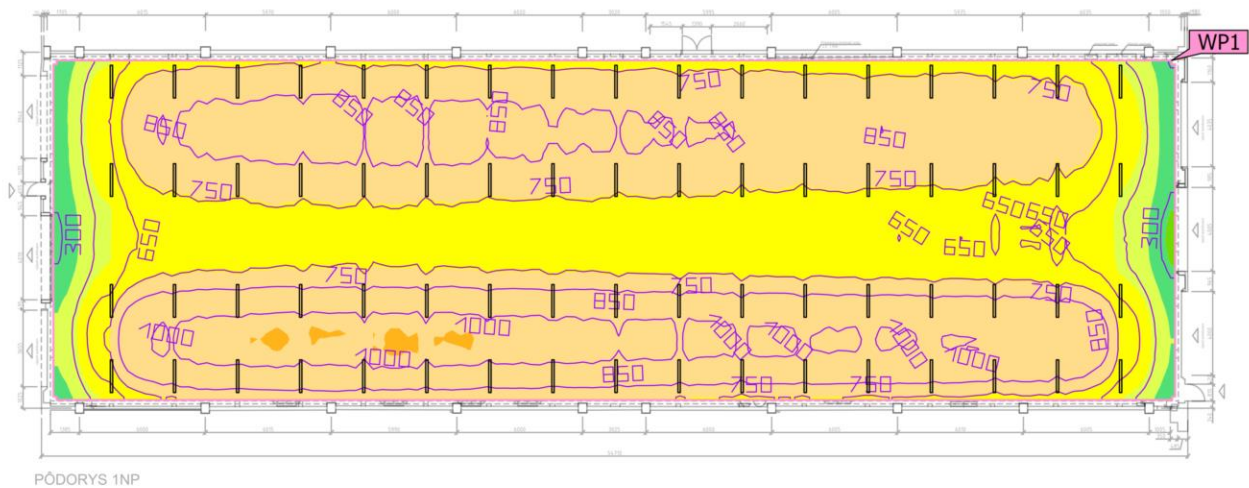
	Symbol	Calculated	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	786 lx	WP1
	$U_o (g_1)$	0.33	WP1
Glare valuation ⁽¹⁾	$R_{UG, \max}$	20	

(1) Based on a rectangular space of 16.810 m x 54.132 m and SHR of 0.25.

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R_{UG}	P	Φ	Luminous efficacy
68	LUXIONA	19.4344.36 23.21	NEPTUN INDUSTRY LED 15000 PC-T OPTICS- 90 EDD 21 IP66 840 / 1563 HT50	20	84.7 W	13300 lm	157.0 lm/W

Hala (Light scene 1)
Working plane (Hala)



Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Working plane (Hala) Perpendicular illuminance (adaptive) Height: 0.010 m, Wall zone: 0.300 m	786 lx	260 lx	1067 lx	0.33	0.24	WP1