

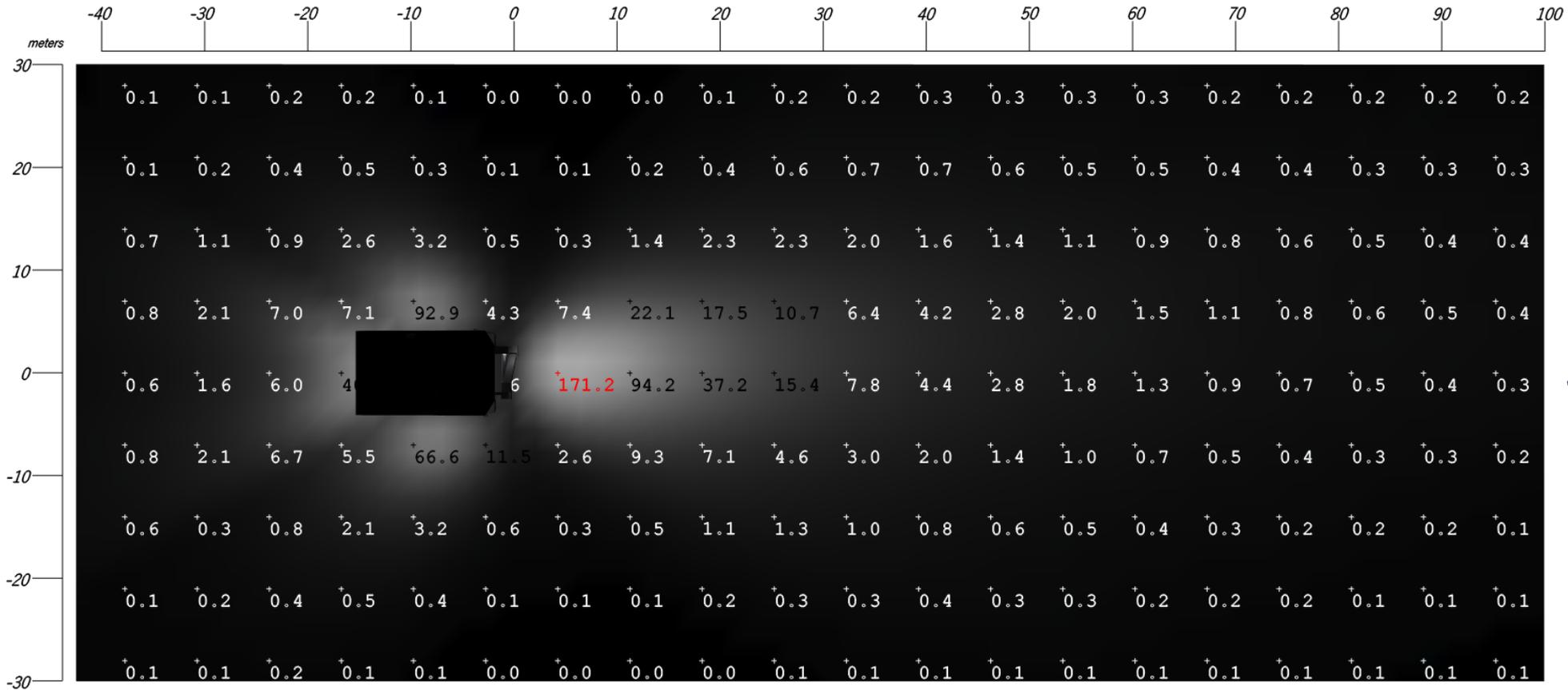
LIGHTS OPTIMISATION PLAN

Machine Liebherr T264

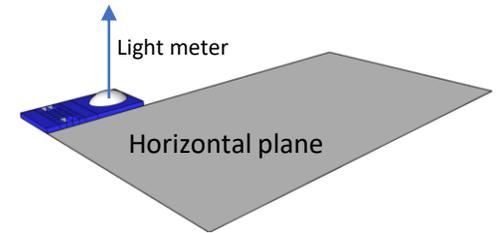


Simulation

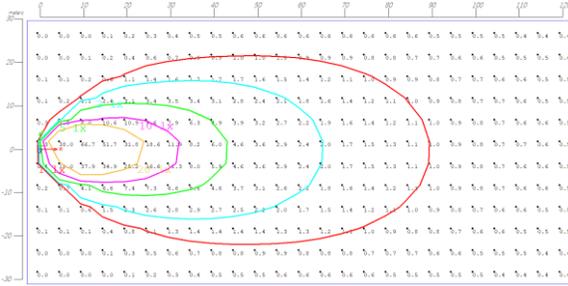
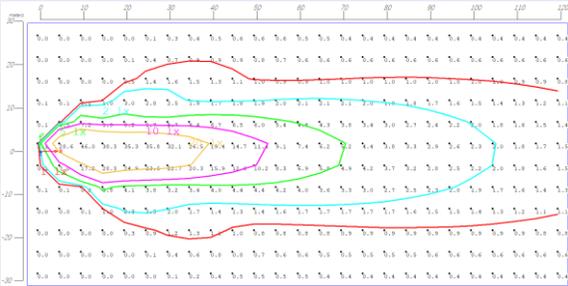
The simulation Liebherr T264 set ups:



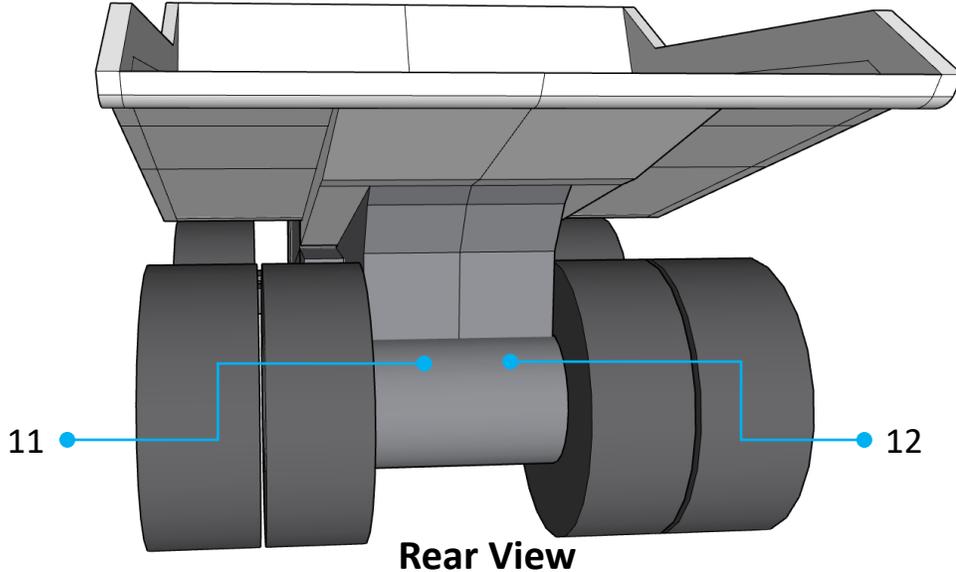
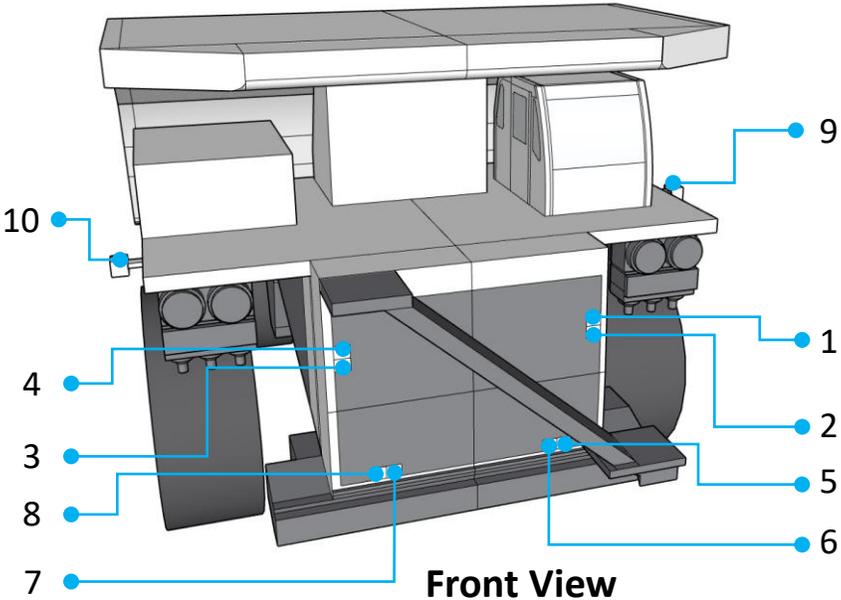
Note:



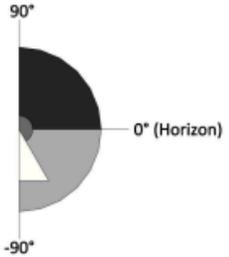
Optimisation Package

Qty	Lights	Beam Patterns	Patent	Wattage	Lumens	Warranty
8	Heavy Duty 5000Lu LED Flood		IP68/69K	48W	5000Lu	5 Years
4	Heavy Duty 5000Lu LED Long Range		IP68/69K	48W	5000Lu	5 Years

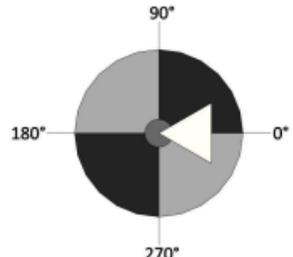
Light Positions



TILT



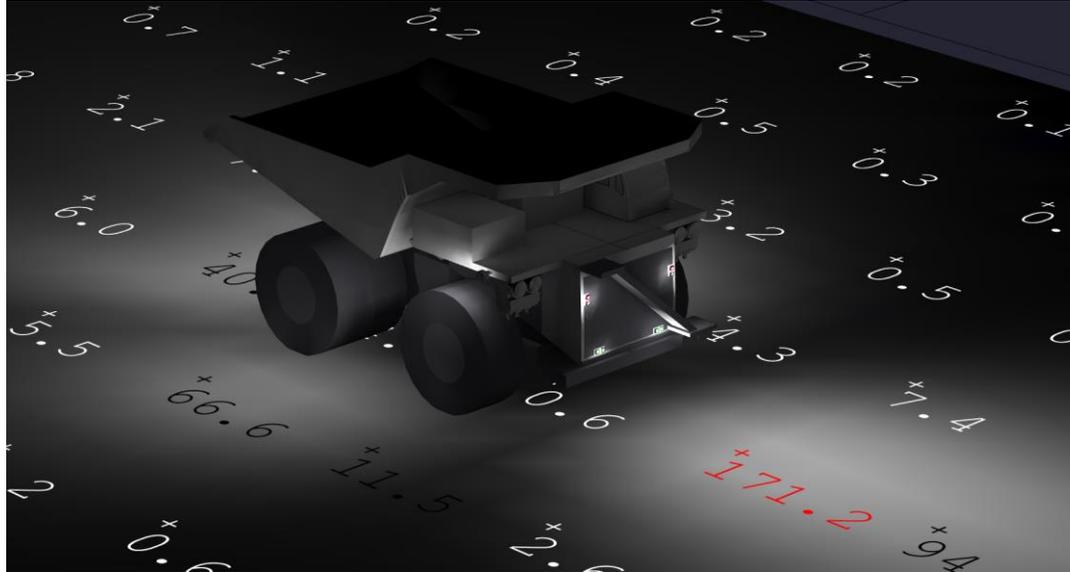
ORIENTATION



A	Heavy Duty 5000Lu LED Flood
B	Heavy Duty 5000Lu LED Long Range

No	Orient	Tilt	Height(m)	Lights
1	5°	-10°	3.68	A
2	5°	-10°	3.52	A
3	5°	-10°	3.52	A
4	5°	-10°	3.68	A
5	5°	0°	2.00	B
6	5°	0°	2.00	B
7	5°	0°	2.00	B
8	5°	0°	2.00	B
9	160°	-30°	4.51	A
10	200°	-30°	4.51	A
11	160°	-15°	2.16	A
12	200°	-15°	2.16	A

Simulation

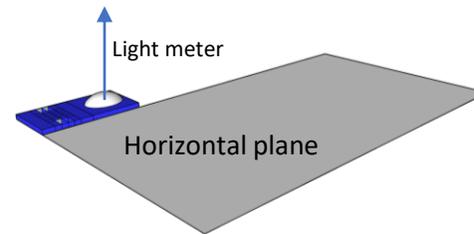


Isometry View

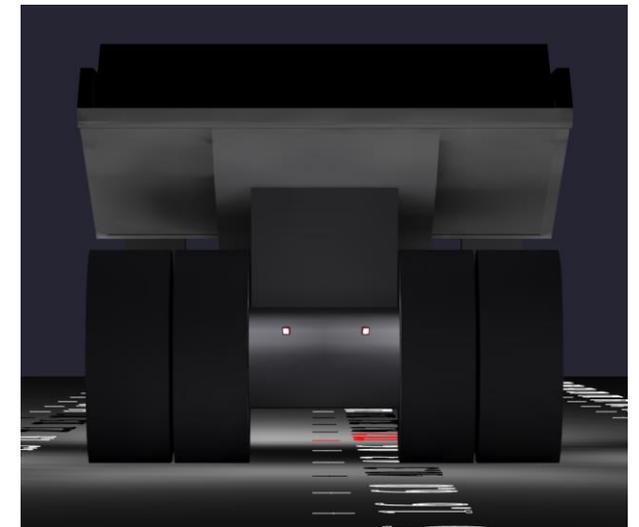
Lighting Location Summary:

Location	Type	ID#
Forward Work Zone Lighting	4 x HD 5000Lu LED F	1, 2, 3, 4
	4 x HD 5000Lu LED LR	5, 6, 7, 8
LHS Work Zone Lighting	1 x HD 5000Lu LED F	9
RHS Work Zone Lighting	1 x HD 5000Lu LED F	10
Rear Zone Lighting	2 x HD 5000Lu LED F	11, 12

Note:

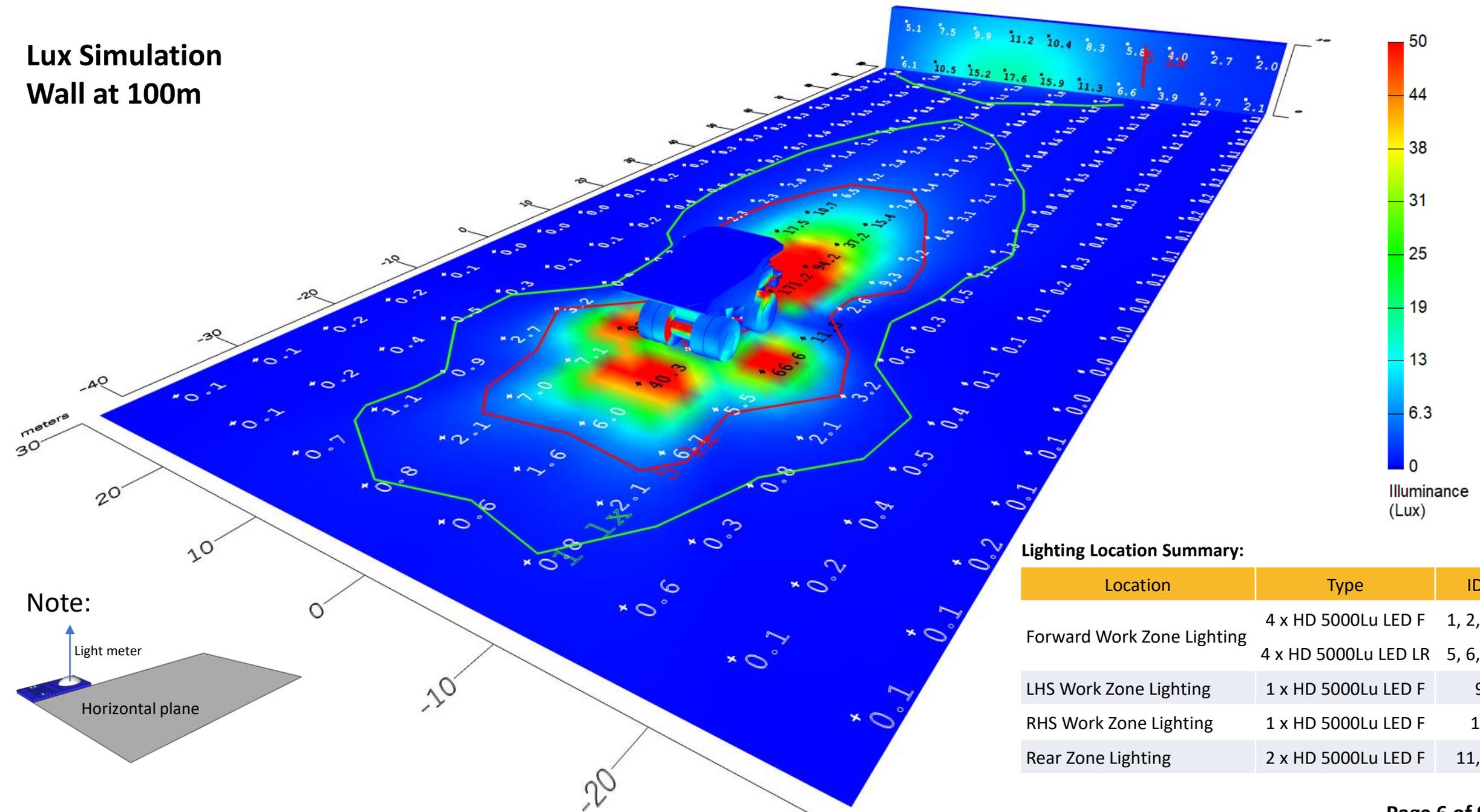


Front View

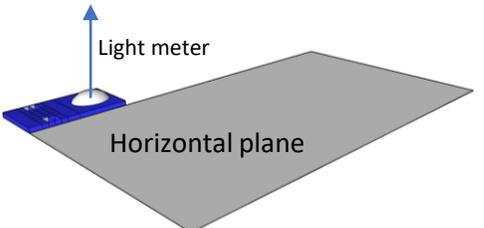


Rear View

Lux Simulation Wall at 100m



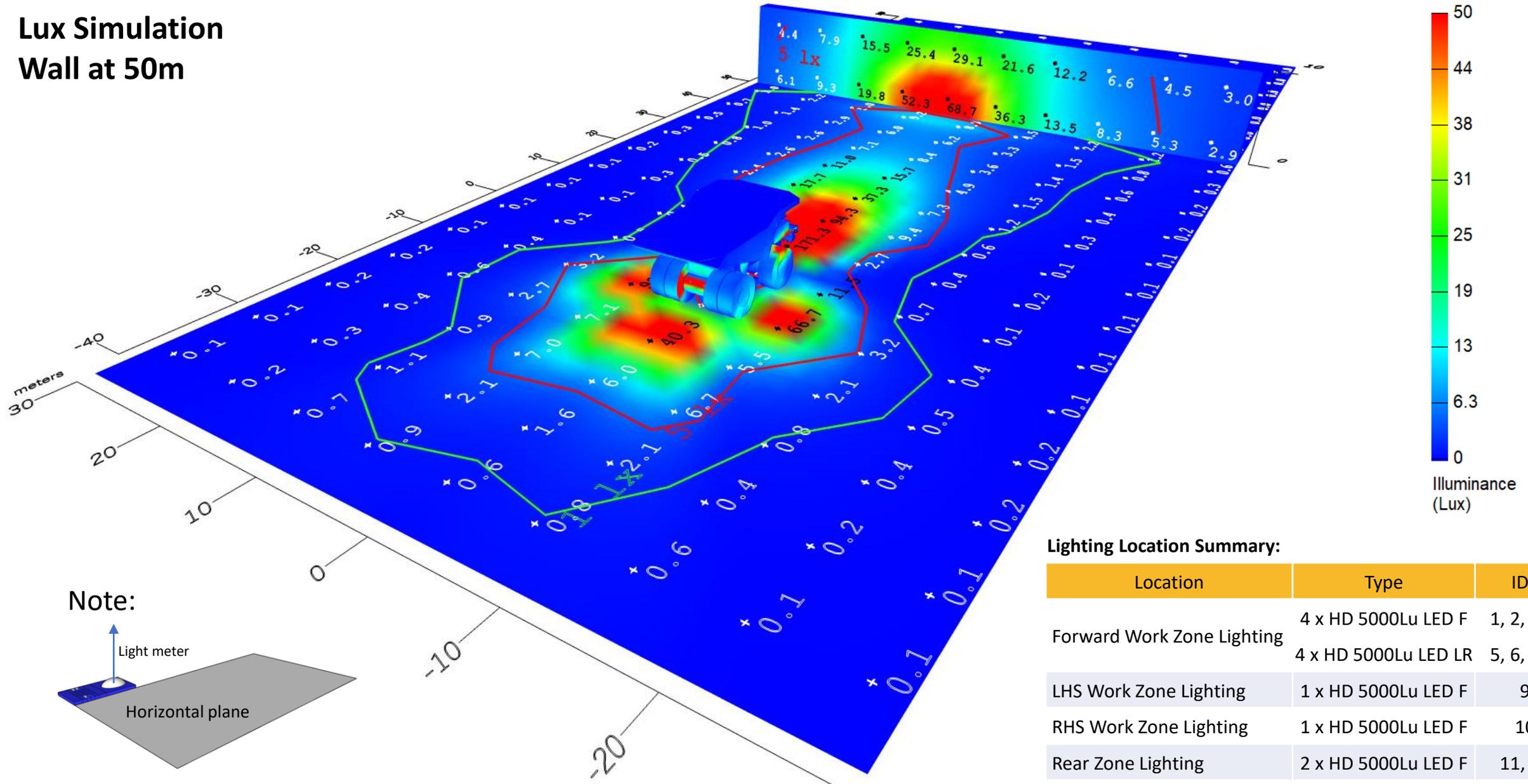
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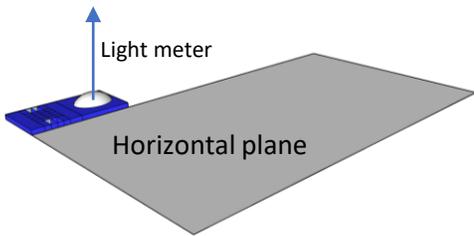
Lighting Location Summary:

Location	Type	ID#
Forward Work Zone Lighting	4 x HD 5000Lu LED F	1, 2, 3, 4
	4 x HD 5000Lu LED LR	5, 6, 7, 8
LHS Work Zone Lighting	1 x HD 5000Lu LED F	9
RHS Work Zone Lighting	1 x HD 5000Lu LED F	10
Rear Zone Lighting	2 x HD 5000Lu LED F	11, 12

Lux Simulation Wall at 50m

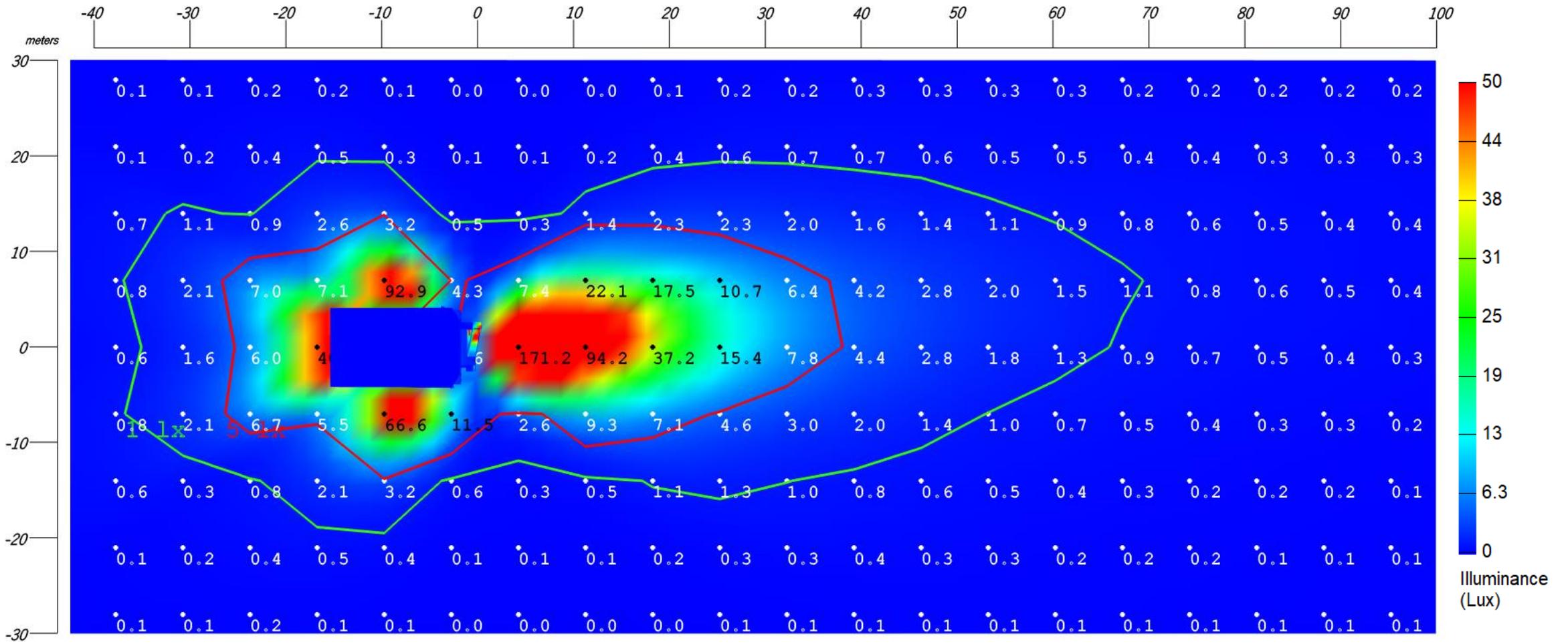


Note:



Lighting Location Summary:

Location	Type	ID#
Forward Work Zone Lighting	4 x HD 5000Lu LED F	1, 2, 3, 4
	4 x HD 5000Lu LED LR	5, 6, 7, 8
LHS Work Zone Lighting	1 x HD 5000Lu LED F	9
RHS Work Zone Lighting	1 x HD 5000Lu LED F	10
Rear Zone Lighting	2 x HD 5000Lu LED F	11, 12

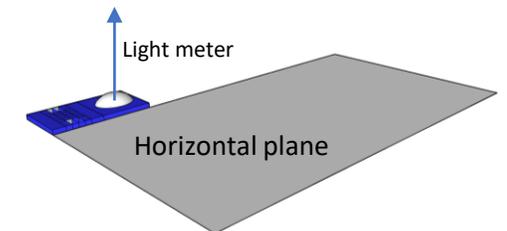


Lighting Location Summary:

Location	Type	ID#
Forward Work Zone Lighting	4 x HD 5000Lu LED F	1, 2, 3, 4
	4 x HD 5000Lu LED LR	5, 6, 7, 8
LHS Work Zone Lighting	1 x HD 5000Lu LED F	9
RHS Work Zone Lighting	1 x HD 5000Lu LED F	10
Rear Zone Lighting	2 x HD 5000Lu LED F	11, 12

Top View

Note:



Iso Lux Lines

Top view of the Liebherr T264 is in the picture on this page.

Lux point values and Isolux lines are calculated from light meter placed vertically to the ground level and all pointing towards the source of the light.

Different lux values are represented by each color: 1 lux, 2 lux, 5 lux, 10 lux, and 20 lux.

