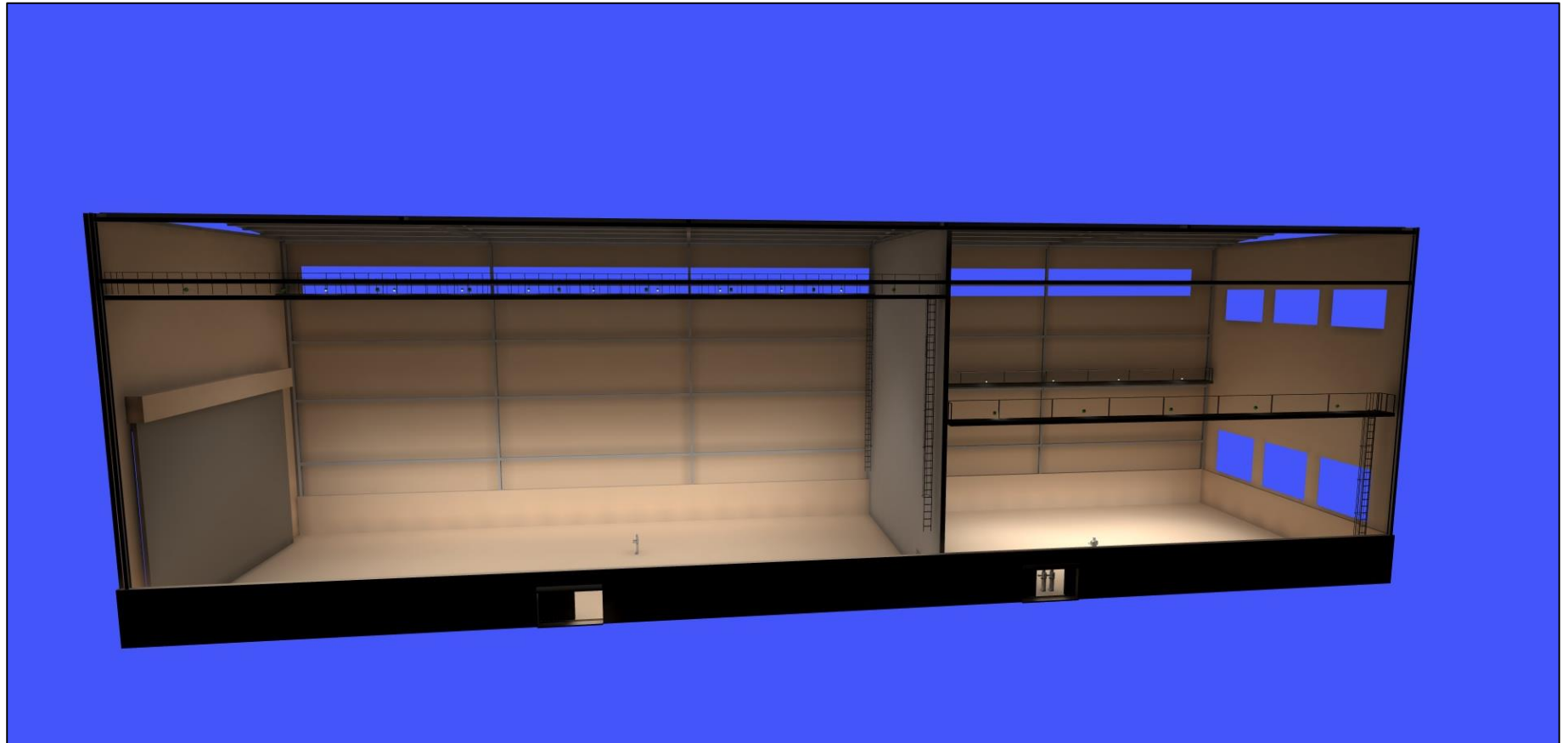


# *Mining Applications Engineering*

## *HM-1356 Lighting Design for Mafube Workshop*

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**The information presented in this application engineering document seeks to deliver the end user with:**

Improved profitability of the mining operation by achieving:

- Greater safety
- Lower Maintenance cost
- Greater productivity
- Predictable service
- Better Value



The applications engineering office outlines areas of great concern and hopes to present a practical solution.

Great emphasis was placed on the lighting levels, increased task lighting and uniform illumination with soft transition from light to dark.

A light loss factor of 0.72 was used for this evaluation.

\* Combination of lamp lumen depreciation x luminaire dirt depreciation x non recoverable light loss factors (such as ballast factors, supply voltage variations, optical factors and fixture surface depreciation).

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### Product Schedule

The following products have been used in this Application Engineering Report

**Luminaire (product)**

**Part Number**

**Quantity**

HypaLUME LED Floodlight . Close Range

HMF2000CMOB

28 Luminaires



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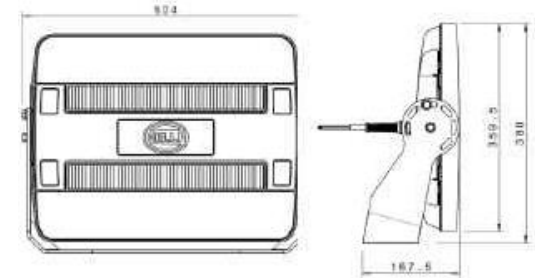
### Product Information

Hella Part Number	Description	Spares	Diagram
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HMF2000CMOB	HypaLUME LED Floodlight Close Range Optics	None	
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Australian Made Product



**HMF2000CMOB x 28**



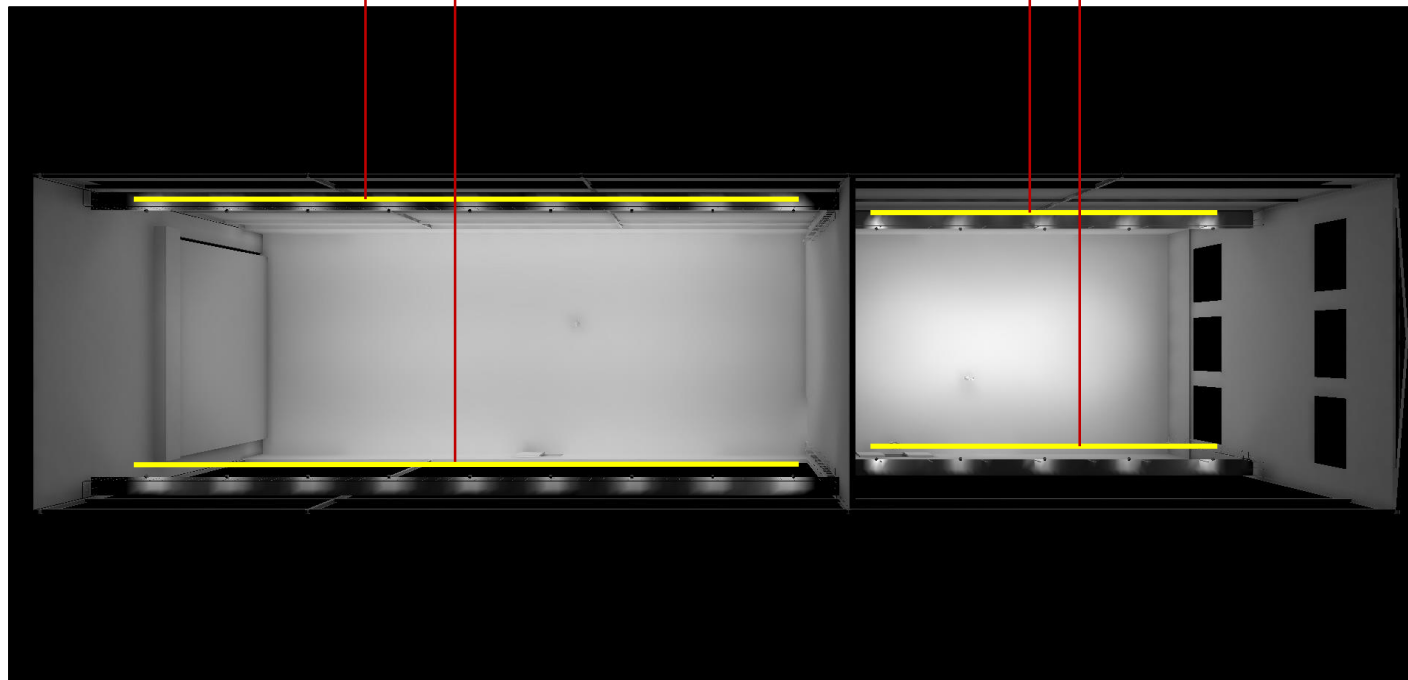
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### LUMINAIRE LOCATIONS

<b>Luminaire Arrays 1 and 2</b>	
<b>MH</b> *	25.25 meters

<b>Luminaire Arrays 3 and 4</b>	
<b>MH</b> *	15.25 meters( typical)

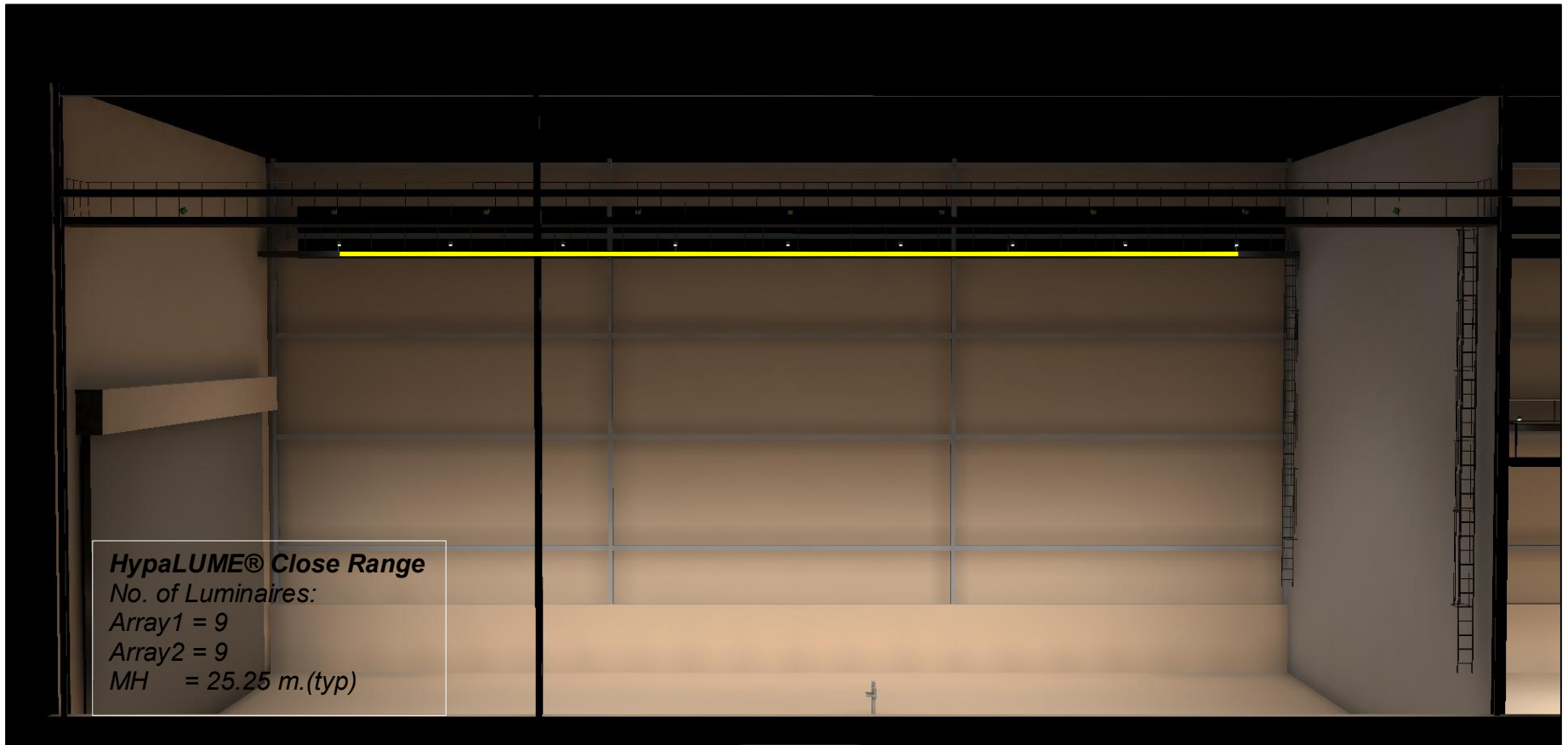


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### ARRAYs 1 and 2:



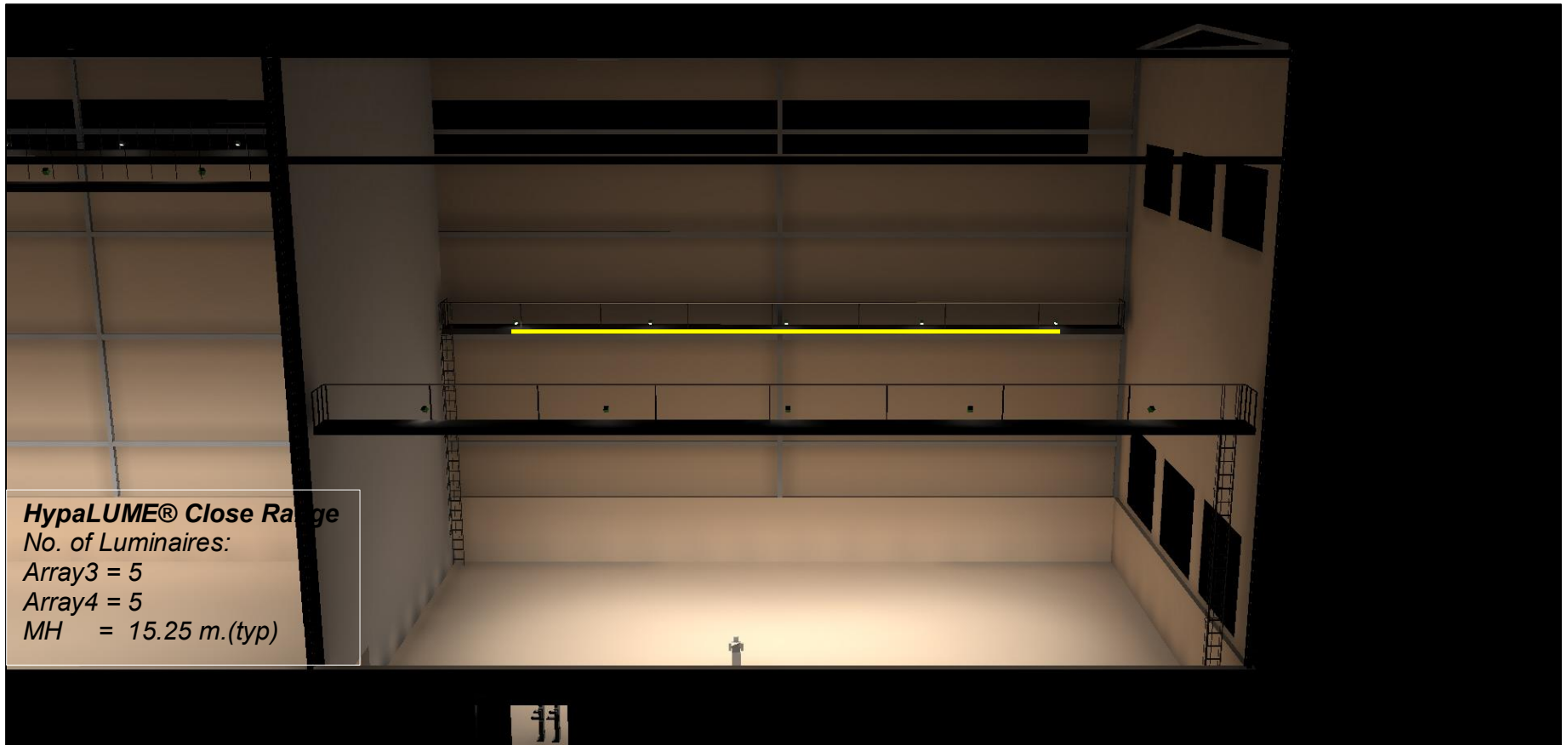
\*MH – Mounting height

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### ARRAYs 3 and 4:

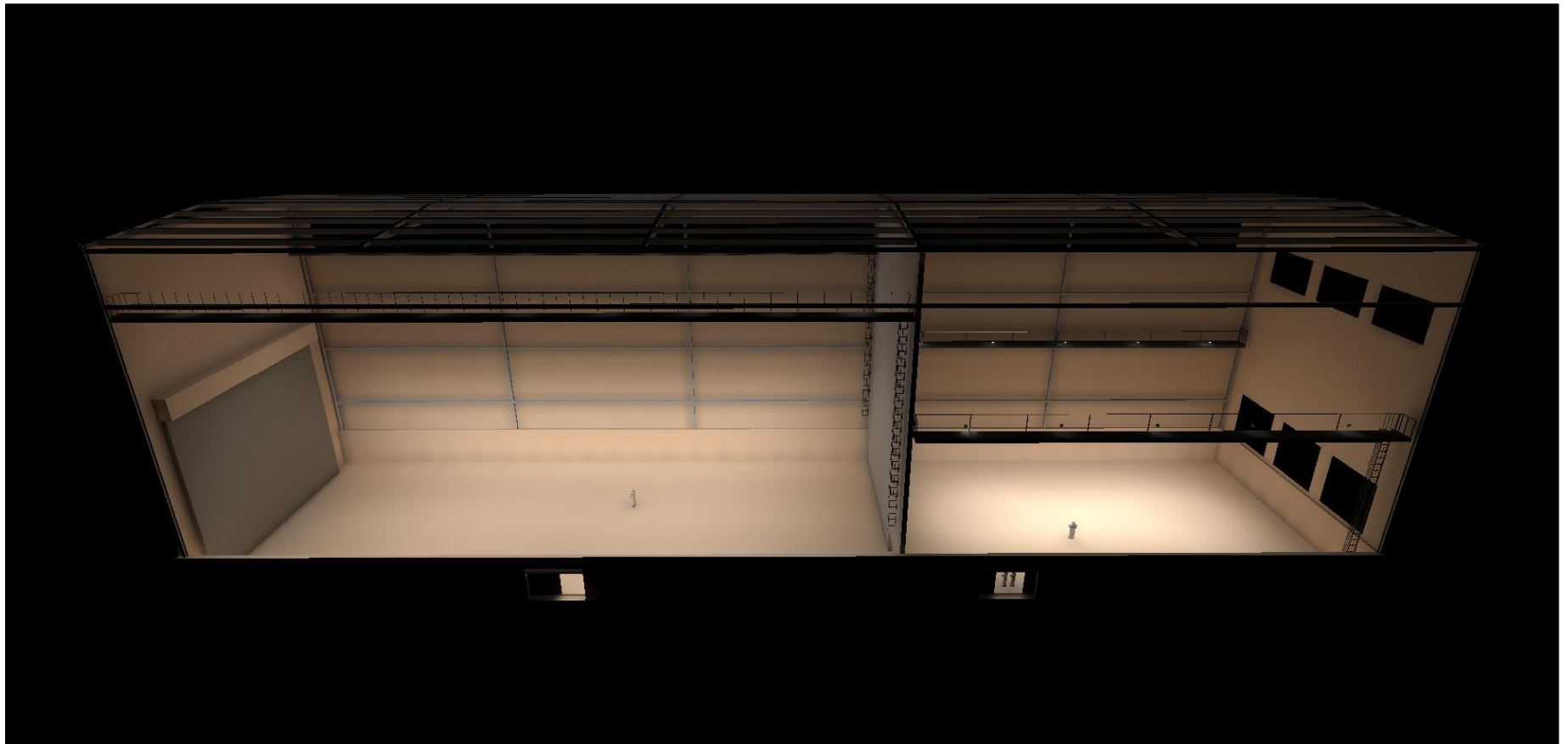


\*MH – Mounting height

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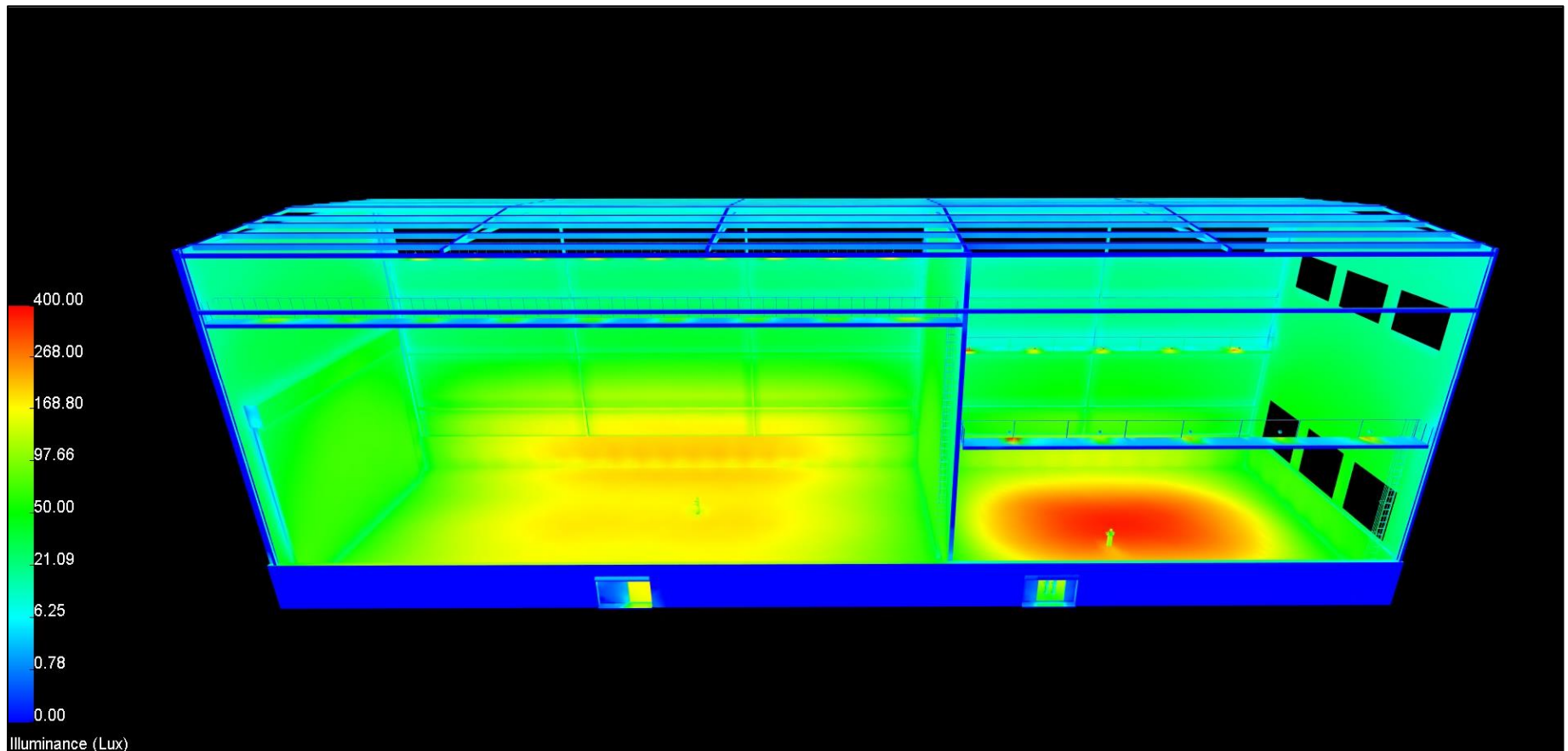




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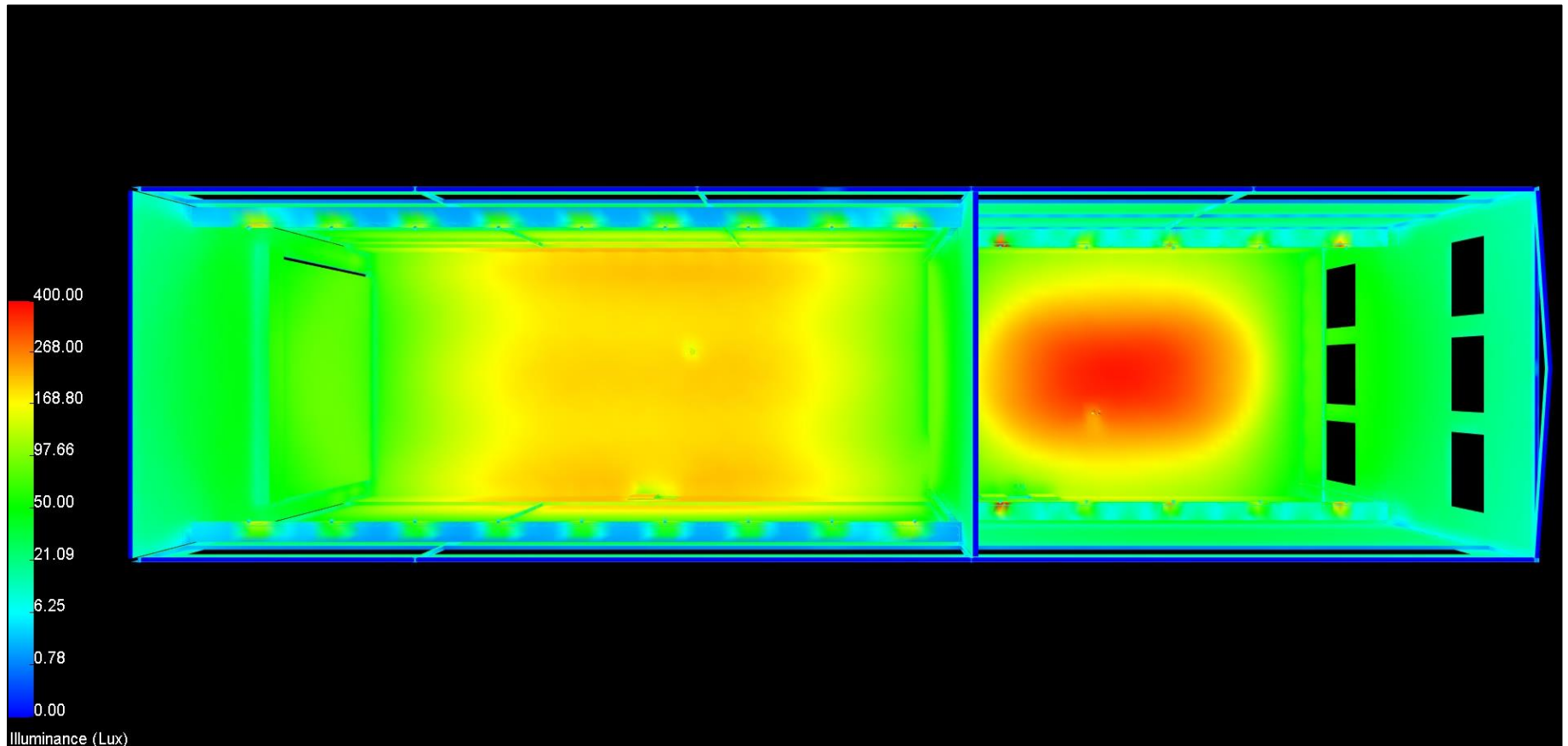
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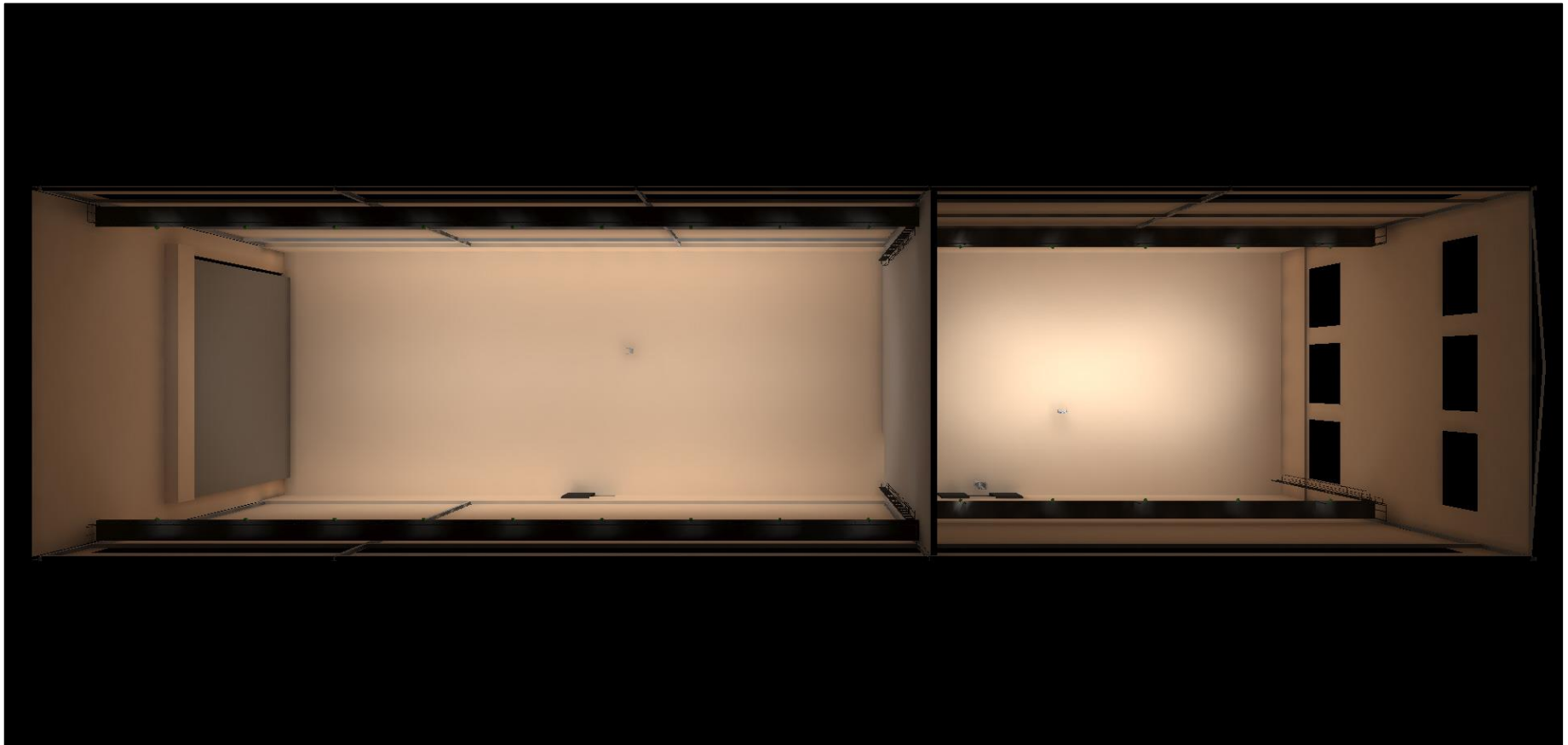
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