

Lighting Area Coverage Reference Chart

HSE Minimum Lighting Recommendations

Activity	Typical types of construction work*	Minimum Brightness in lux
Movement of people, machines and vehicles (a)	Driving, general pedestrian movement, unloading equipment or supplies.	5
Movement of people, machines and vehicles in hazardous areas; rough work not requiring any perception of detail	Less detailed carpentry, concrete pouring.	20
Work requiring limited perception of detail (b)	Brick laying, carpet laying, slab levelling, drain laying, roofing, scaffolding.	50
Work requiring perception of detail (b)	Electrical work, fine detail carpentry, plumbing, surveying, tiling.	100
Work requiring perception of fine detail (b)	Viewing site plans, fine detail electrical work, fine finishing of plastering.	200

* Based on HSE guidance and produced in conjunction with HSL.

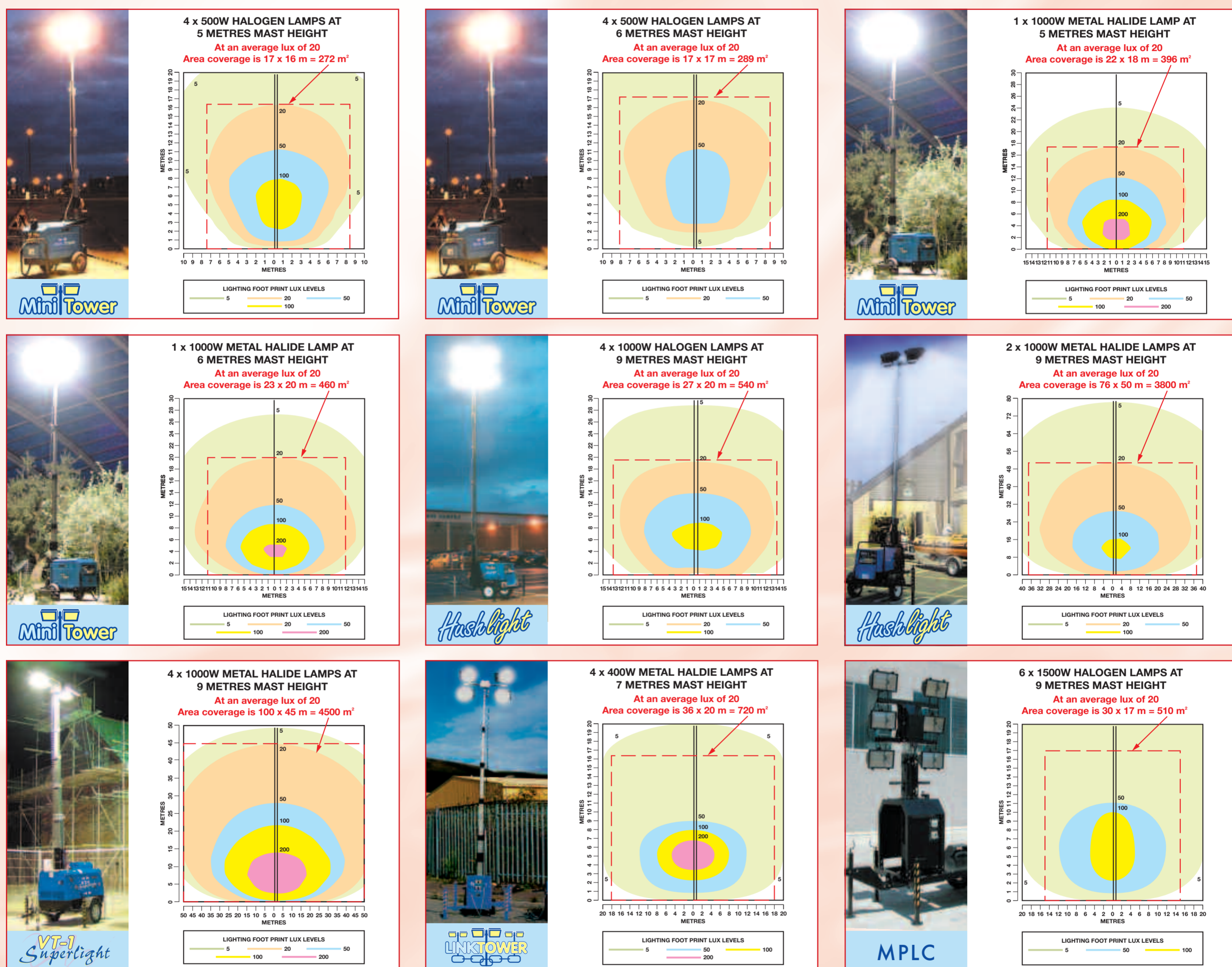
(a). Only safety has been considered, because no perception of detail is needed and visual fatigue is unlikely. However, where it is necessary to see detail to recognise a hazard or where error in performing the task could put someone else at risk, for safety purposes as well as to avoid visual fatigue, the figure needs to be increased to that for work requiring the perception of detail. The CIBSE (Code for interior lighting) gives more information and recommendation based on scientific knowledge, practical experience, technical feasibility and economic reality.

(b). The purpose is to avoid fatigue; the illuminances will be adequate for safety purposes.

(c). The purpose is to avoid fatigue; the illuminances will be adequate for safety purposes.

(d). The purpose is to avoid fatigue; the illuminances will be adequate for safety purposes.

For guidance in the lighting of a specific area please contact GenSet.



Name of lamp type	Life (hours)	Apparent colour	Colour rendering	Time until full light output is produced	Time before full light output is produced after restarting the lamp
Tungsten halogen	2000 – 4000	Warm white light	Excellent	Immediate	Immediate
Metal halide	5000 – 10,000	Normally cold white light	Good	5 minutes	10 minutes

We build towers to your specific requirements



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