

Selection of Slat Separation-to-Width Ratio of Brise-soleil Shading
Considering Energy Savings, CO₂ Emissions and Visual Comfort – A
Case Study in Qatar

Djamel Ouahrani , Albert Al Touma

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Highlights

- Glare visual discomfort is eliminated by a specific slat separation-to-width ratio
- The slat-to-slat separation should totally block beam solar radiation
- The sun altitude determines the ratio in each façade orientation
- The slat separation-to-width ratio reduces energy demands and CO₂ emissions

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