



How LED Highbay direct retrofit HID Highbay



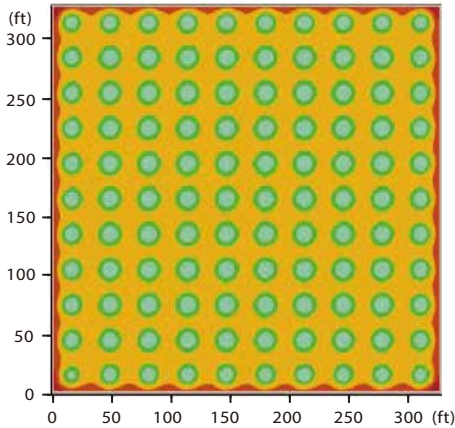
Room Parameters

Length: 328.1ft Mounting height: 26.2ft
 Width: 328.1ft Maintenance factor: 0.8
 Height: 27.9ft Reflectance: 0.7 / 0.5 / 0.2

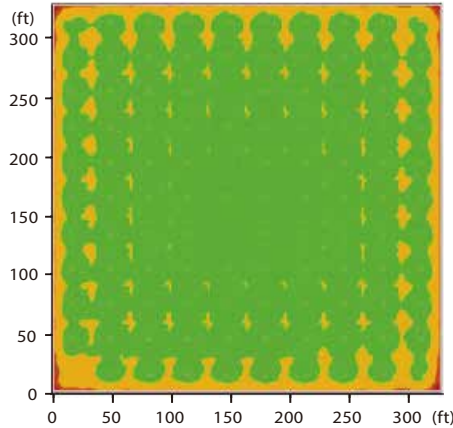
Optical Parameters

Light Loss Factor: HID = 56%, LED = 85%
 Standard Service Illuminance: Average Illuminance (Eav)
 ≥150lx & Uniformity (Emin/Eav) >0.6

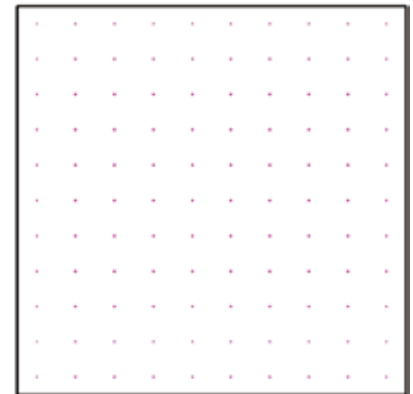
250W High Pressure Sodium Lamp



LED NH102-150W/840

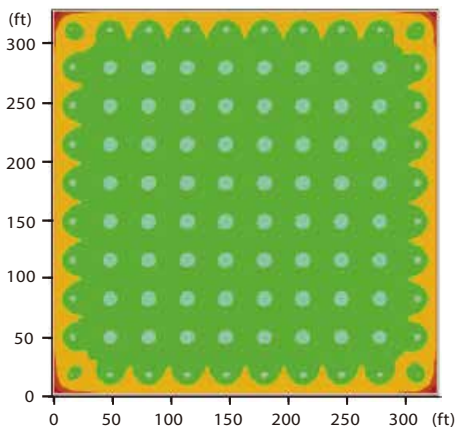


Layout: 110 pcs luminaire

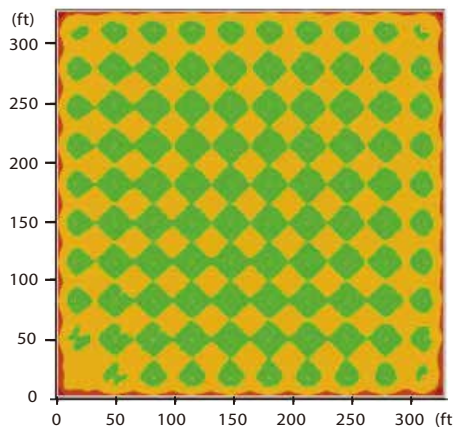


| | 250W HPS Lamp | NH102-150W/840 | |
|--------------------------|---------------|----------------|---------------------------------------|
| Power | 32,450W | 16,500W | 49% Energy Saving ✓ |
| Average illuminance | 150lx | 163lx | Maintain standard service illuminance |
| Uniformity | 0.75 | 0.82 | Better Uniformity ✓ |
| Life time | 24,000 hrs | 50,000 hrs | 2.1x Longer ✓ |
| Maintenance at 50,000hrs | 2 times | 1 time | 50% Maintenance Cost Saving ✓ |

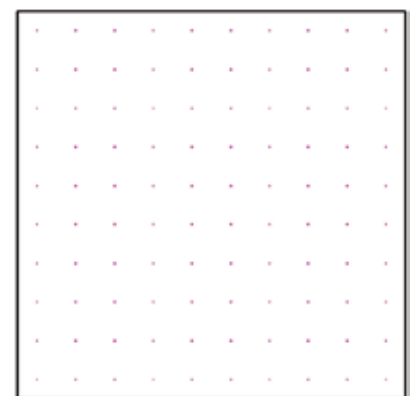
400W Metal Halide Lamp



LED NH102-150W/840



Layout: 100 pcs luminaire



| | 400W MH Lamp | NH102-150W/840 | |
|--------------------------|--------------|----------------|---------------------------------------|
| Power | 45,400W | 15,000W | 67% Energy Saving ✓ |
| Average illuminance | 165lx | 150lx | Maintain standard service illuminance |
| Uniformity | 0.71 | 0.82 | Better Uniformity ✓ |
| Life time | 20,000 hrs | 50,000 hrs | 2.5x Longer ✓ |
| Maintenance at 50,000hrs | 2 times | 1 time | 50% Maintenance Cost Saving ✓ |