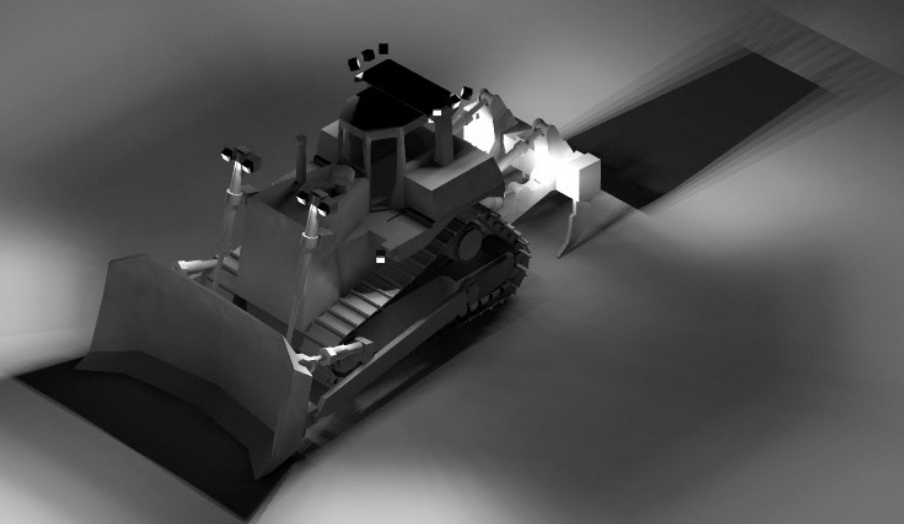


CATERPILLAR

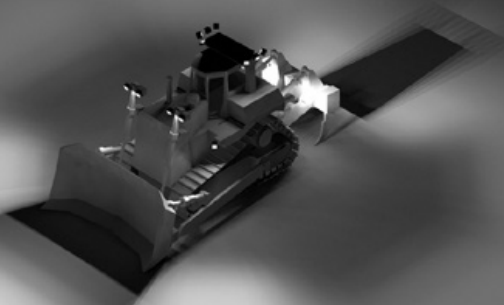
D9T

Lighting Design Simulation Report



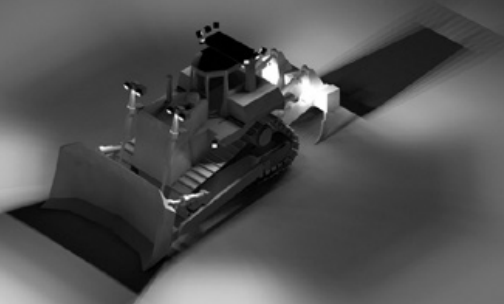
Suggested Layout #1

- High illuminance
- Wide/medium forward throw
- Wide general flood around machine



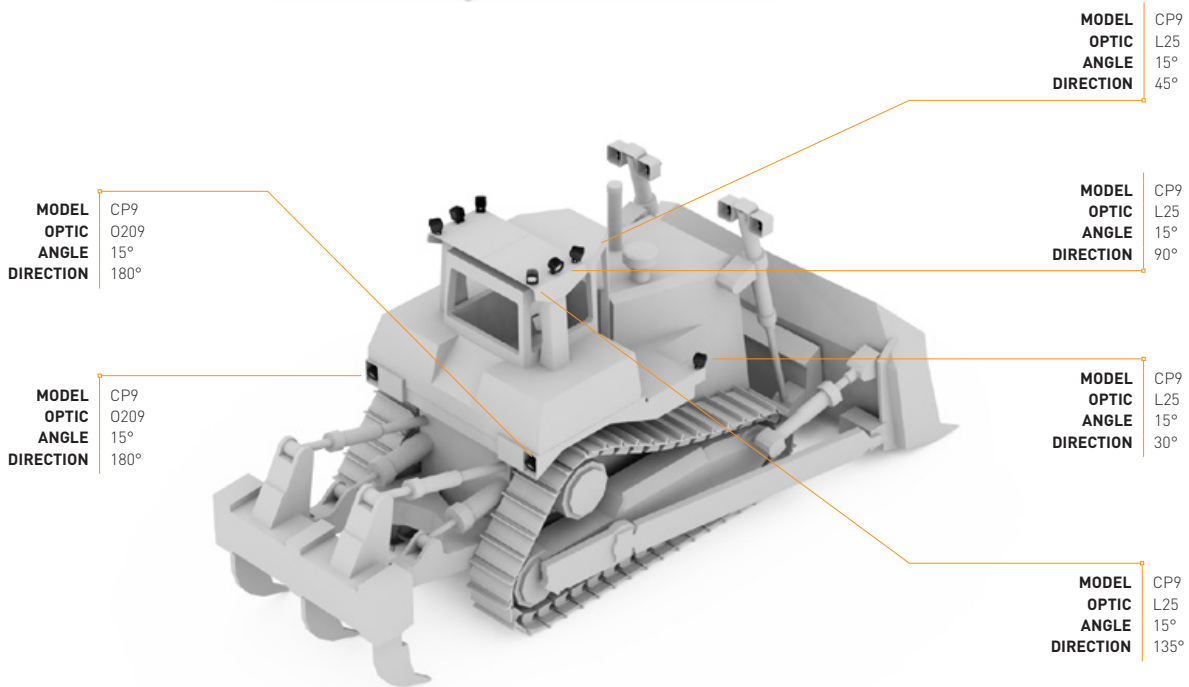
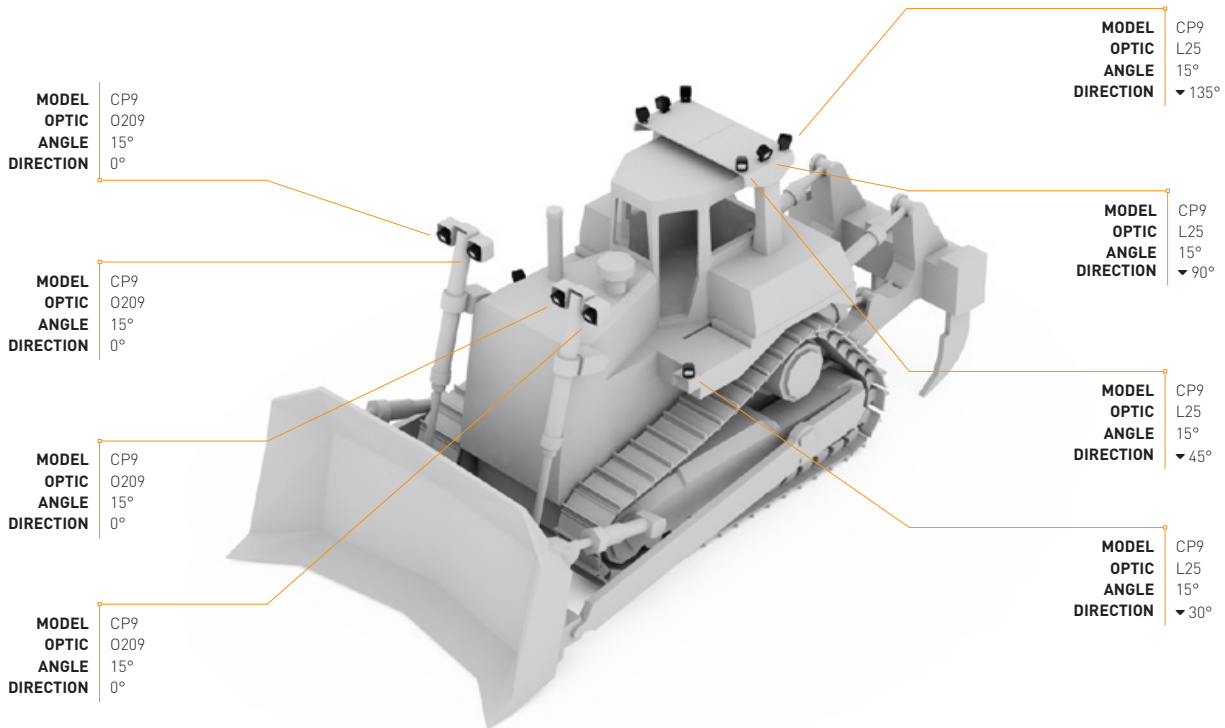
Suggested Layout #2

- High illuminance
- Narrow/long forward throw
- Wide general flood around machine



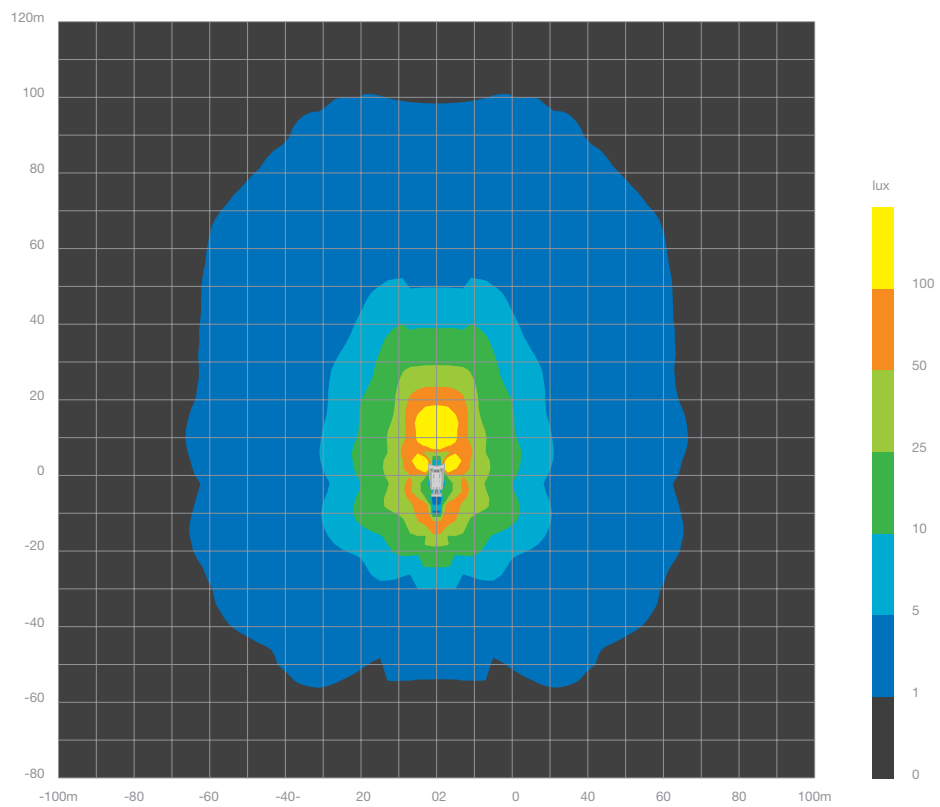
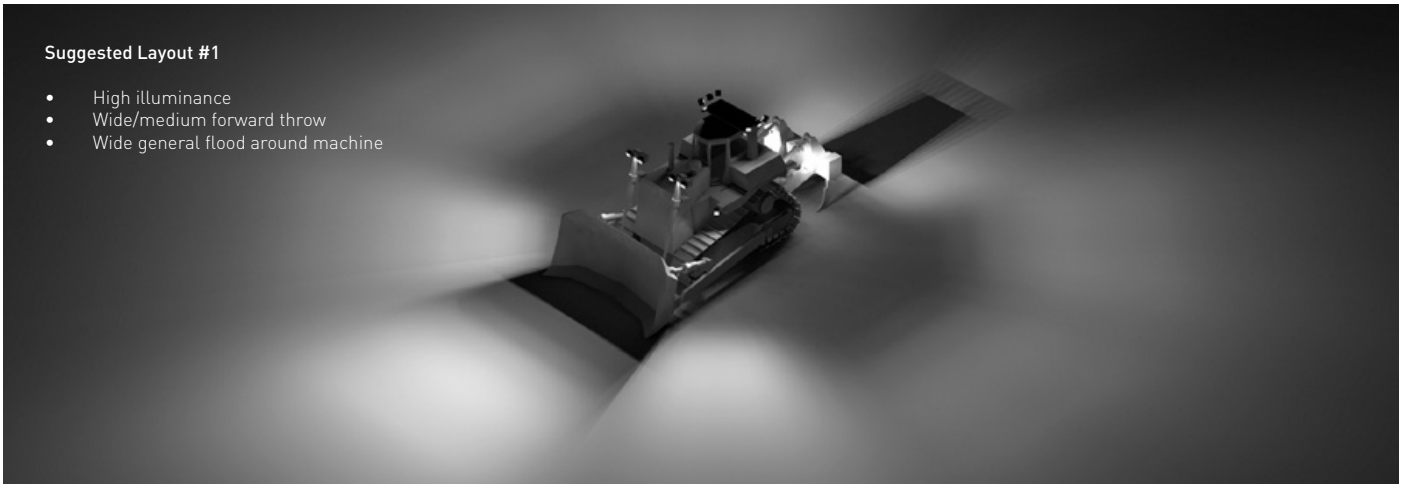
SUGGESTED LAYOUT #1

| Model No. | Luminaire | Optic Type | Quantity |
|------------------------|-----------------|---------------------------|----------|
| CP9-M-XML-0209-MPB-NPS | CP9 Flood Light | 0209 - 40°x18° Beam Angle | 6 |
| CP9-M-XML-L25-MPB-NPS | CP9 Flood Light | L25 - 50° Beam Angle | 8 |



Suggested Layout #1

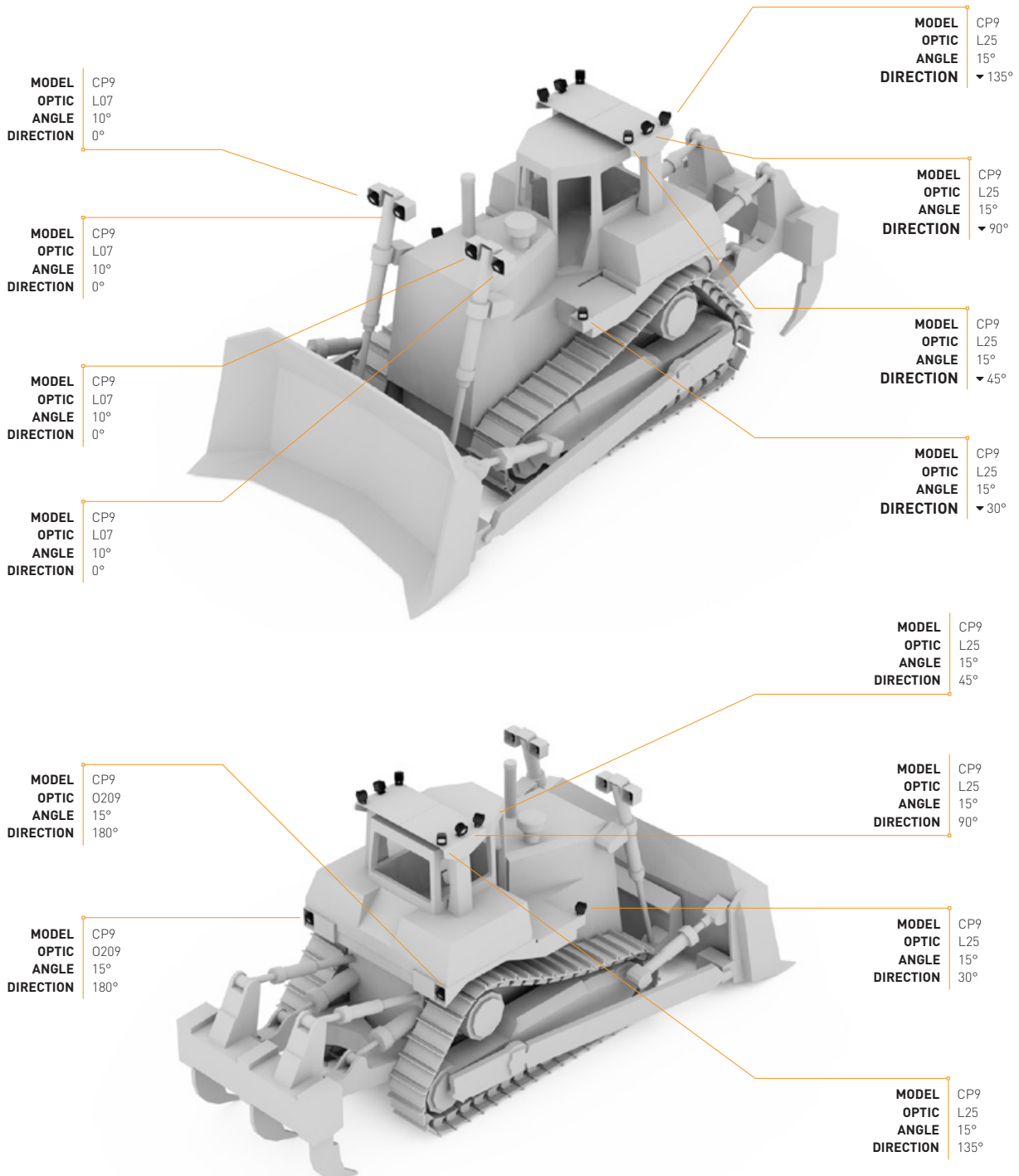
- High illuminance
- Wide/medium forward throw
- Wide general flood around machine



Light loss/maintenance factor: 0.85
Ambient temperature: 35°C

SUGGESTED LAYOUT #2

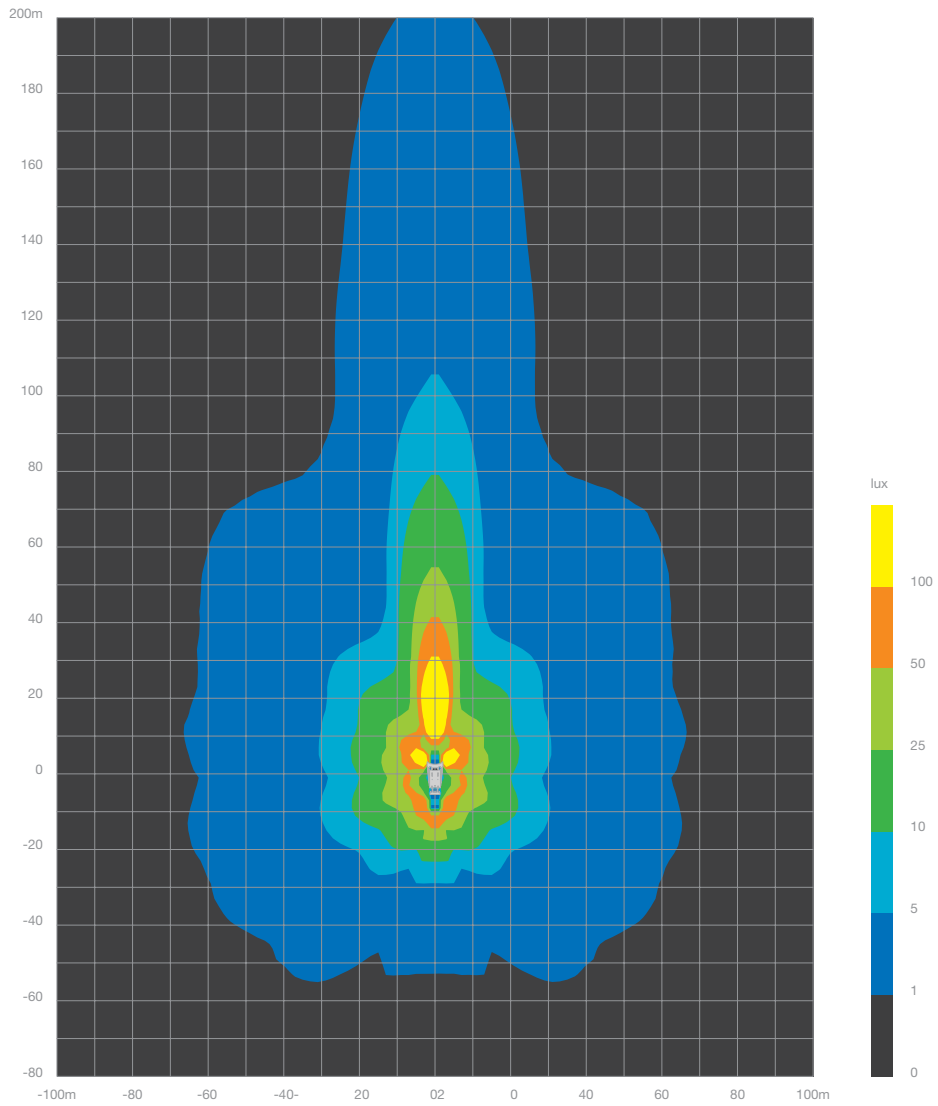
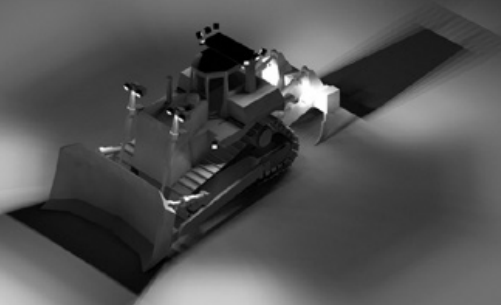
| Model No. | Luminaire | Optic Type | Quantity |
|------------------------|-----------------|---------------------------|----------|
| CP9-M-XML-0209-MPB-NPS | CP9 Flood Light | O209 - 40°x18° Beam Angle | 2 |
| CP9-M-XML-L25-MPB-NPS | CP9 Flood Light | L25 - 50° Beam Angle | 8 |
| CP9-M-XML-L07-MPB-NPS | CP9 Flood Light | L07 - 14° Beam Angle | 4 |



This report is compiled to provide illustrations of product use for a particular application. It is created for evaluation purposes only. Individual machines may vary in configuration, hence affecting results. Please contact us to request a specific design for your application. Coolon recommends that all system upgrades are carried out by a qualified auto electrician.

Suggested Layout #2

- High illuminance
- Narrow/long forward throw
- Wide general flood around machine



Light loss/maintenance factor: 0.85
Ambient temperature: 35°C