

Case 1: EN 12464, mounting height 3m, work plane: 0.3m, calculation surface height : 0.3m

Achieved glare rating is 66

The screenshot displays the DIALux software interface for a lighting calculation. The central workspace shows a color-coded illuminance map of a pump skid area, with a green box labeled "2. PUMP SKID" indicating the calculation surface. The right-hand "Results overview" panel provides detailed data for the calculation surface and working plane.

Calculation surface (Glare Rating (Ra))

Parameter	Actual	Target
Max	66	≤ 50

Working plane (Perpendicular illuminance)

Parameter	Actual	Target
Average	133 lx	≥ 150 lx
Min	55.1 lx	-
Max	179 lx	-
Min/average	0.41	≥ 0.25
Min/max	0.31	-

Calculation parameters:

- Height: 0.300 m
- Angle of inclination: 22.00°
- Step width: 15.00°
- Viewing angles from: 0.00°
- Calculation method: Simplified calculation as per EN12464

Working plane (3. PIG LAUNCHER AREA):

Parameter	Actual	Target
Average	0.045 lx	0.18

Working plane (4. VALVE OPERATING PLATFORM 1):

Parameter	Actual	Target
Average	51	-

Legend:

- Limit values of utilisation profile fulfilled
- Limit values of utilisation profile not fulfilled
- No limit values available in utilisation profile
- Utilisation profile partially fulfilled, as some limit values not available

Case 1: CIE 112, mounting height 3m, work plane: 0.3m, calculation surface height : 0.3m

Achieved glare rating is 21

The screenshot displays the DIALux evo 13.0 software interface for a lighting calculation. The main workspace shows a 2D floor plan with a color-coded glare distribution. Two rectangular areas are labeled '2. PUMP SKID' and '1. CHEM. INJECTION SKID'. The '2. PUMP SKID' area is highlighted in green, indicating it meets the glare target. The right-hand panel shows the 'Results overview' for the '2. PUMP SKID' calculation surface, with a glare rating of 21. The 'Working plane' section shows a perpendicular illuminance of 0.41 lx. The bottom panel shows the 'Luminaire groups of the light scene' settings, including 'Daylight' and 'Reference sky type'.

Results overview

Active light scene: NORMAL LIGHTING

Search

2. PUMP SKID

GR FOR PUMP SKID

Parameter	Actual	Target
Calculation surface (Glare Rating (R _G))	21	≤ 50
Max	21	≤ 50

Parameter

Height	0.300 m
Angle of inclination	-2.00 °
Step width	15.00 °
Viewing angles from	0.00 °
to	360.00 °

Calculation method: Exact calculation according to CIE 112

Working plane (2. PUMP SKID)

Parameter	Actual	Target
Working plane (Perpendicular illuminance)	0.41	≥ 150 lx
Average	133 lx	≥ 150 lx
Min	55.1 lx	-
Max	179 lx	-
Min/average	0.41	≥ 0.25
Min/max	0.31	-

Parameter

Height	0.300 m
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3. PIG LAUNCHER AREA

GR FOR PIG LAUNCHER AREA

49	
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Working plane (3. PIG LAUNCHER AREA)

0.045 lx	0.18
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4. VALVE OPERATING PLATFORM 1

GR FOR VALVE OPERATING PLATFORM 1

51	
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Working plane (4. VALVE OPERATING PLATFORM 1)

Settings

Show evaluation

Legend

- Limit values of utilisation profile fulfilled
- Limit values of utilisation profile not fulfilled
- No limit values available in utilisation profile
- Utilisation profile partially fulfilled, as some limit values not available