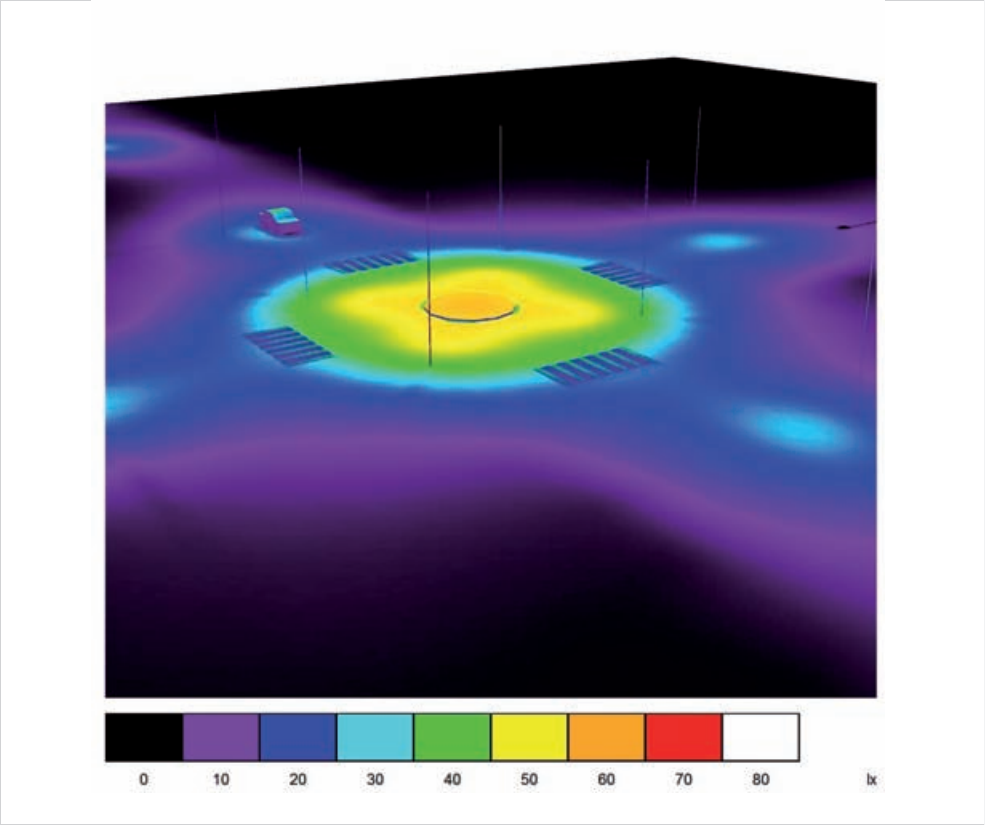


*Figure 205*
*3D false-colour rendering of a typical street (mini) roundabout street lighting layout, including approximate lux (lx) levels shown by different colours.*

LDA Lighting Calculation 05 - Typical Road Lighting in Lux

| Road/Area Type | Calculated Area | Page | Luminaire | Luminaire option | Power | Pole height | Distance | DMA Requirement | Calculated Values | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| According to AD USDM | | | | | [W] | [m] | [m] | | $E_{av}$ [lux] | $E_{min}$ [lux] | $E_{min}/E_{av}$ |
| Mini Roundabout | Typical Road | | Typical Street LED Luminaire | not tilted, single sided | 102 | 10 | 45 | Sector Internal Roads (Streets) $L_{av}$ = 0,6 cd/m² \| $L_{min}/L_{av}$ = 0,4 0,6cd/m² similar to 9 lux | 12 | 4,47 | 0,37 |
| Mini Roundabout | Pedestrian Crossing | | Typical Street LED Luminaire | not tilted, single sided | | | | Conflict Areas $L_{av}$ = 2,0 cd/m² \| $L_{min}/L_{av}$ = 0,4 2cd/m² similar to 30 lux | 30 | 25 | 0,83 |
| Mini Roundabout | Vertical Calculations Points on 1m on Pedestrian Crossing | | Typical Street LED Luminaire | not tilted, single sided | | | | No requirement so far. | $Evert_{av}$ [lux] 20 | $Evert_{min}$ [lux] 13 | 0,65 |
| Mini Roundabout | Roundabout Area | | Typical Street LED Luminaire | not tilted, single sided | | | | Conflict Areas $L_{av}$ = 2,0 cd/m² \| $L_{min}/L_{av}$ = 0,4 2cd/m² similar to 30 lux | 47 | 34 | 0,72 |

*Table 36*
*Table of results for a typical street (mini) roundabout street lighting layout, showing conformity with DMA Lighting Specifications, results provided by DIALux in lx.*