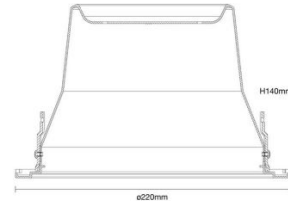


# Standard Lightplan

## Office space 5m40 x 3m60 x 2m80

### Noxion LED Downlight Apollo

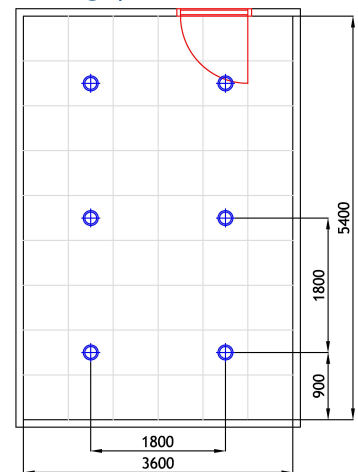


#### Basic principles for lighting calculations:

|   |                                    |
|---|------------------------------------|
| Reflection factors (ceiling/walls/floor):   | 70% / 50% / 20%                    |
| Working plane:                              | 0,75 m                             |
| Task Area:                                  | Whole room except wall zone 0,50 m |
| UGR:  | ≤ 19                               |
| Light loss factor:                          | 0,80*                              |
| Required light output ( $\bar{E}_m$ ):      | ≥ 500 lux                          |
| Uniformity Task Area ( $E_{min}/E_{gem}$ ): | ≥ 0,60                             |

\* **Noxion Apollo fixtures:** Maintenance factor based on a useful life of approximately 50,000 hours, assuming that spot replacement is used in the event of failure.

#### Ceiling system 600 x 600



#### Office lighting with LED for suspended ceiling 600x600 mm

| Amount | Family name | Articlenumber & Productname        | Color temp. (K) | $\bar{E}_m$ (lux) | $E_{min}/E_{gem}$ | W/m <sup>2</sup> |
|--------|-------------|------------------------------------|-----------------|-------------------|-------------------|------------------|
| 6      | Apollo      | 243082 Noxion Apollo 20W 3000K ALU | 3000            | 636               | 0,854             | 6.14             |
| 6      | Apollo      | 243084 Noxion Apollo 20W 4000K ALU | 4000            | 677               | 0,857             | 6.17             |