

# BEC REVIVE

Installation : Exterior Lighting

Project number : DN-NR-1023-004

Customer :

Processed by : A Newman

Date : 24.10.2023

Project description:

Maintenance factor 0.8

These plots represent specific ASD products under given conditions. Changes to environment, calculation software accuracy and on site measurement mean real installations may differ from these predictions. This design information constitutes guidance only.

Common design parameters have been used in order to carry out all calculations. If any part of the scheme or subsequent luminaires used within the scheme is deemed to be inappropriate, please contact us in order for re-calculations to be carried out, prior to an order being placed.

Please ensure that this lighting scheme complies with all requirements, and if further details/ calculations are required please contact ASD Lighting.

Final quantities are to be confirmed prior to an order/installation.

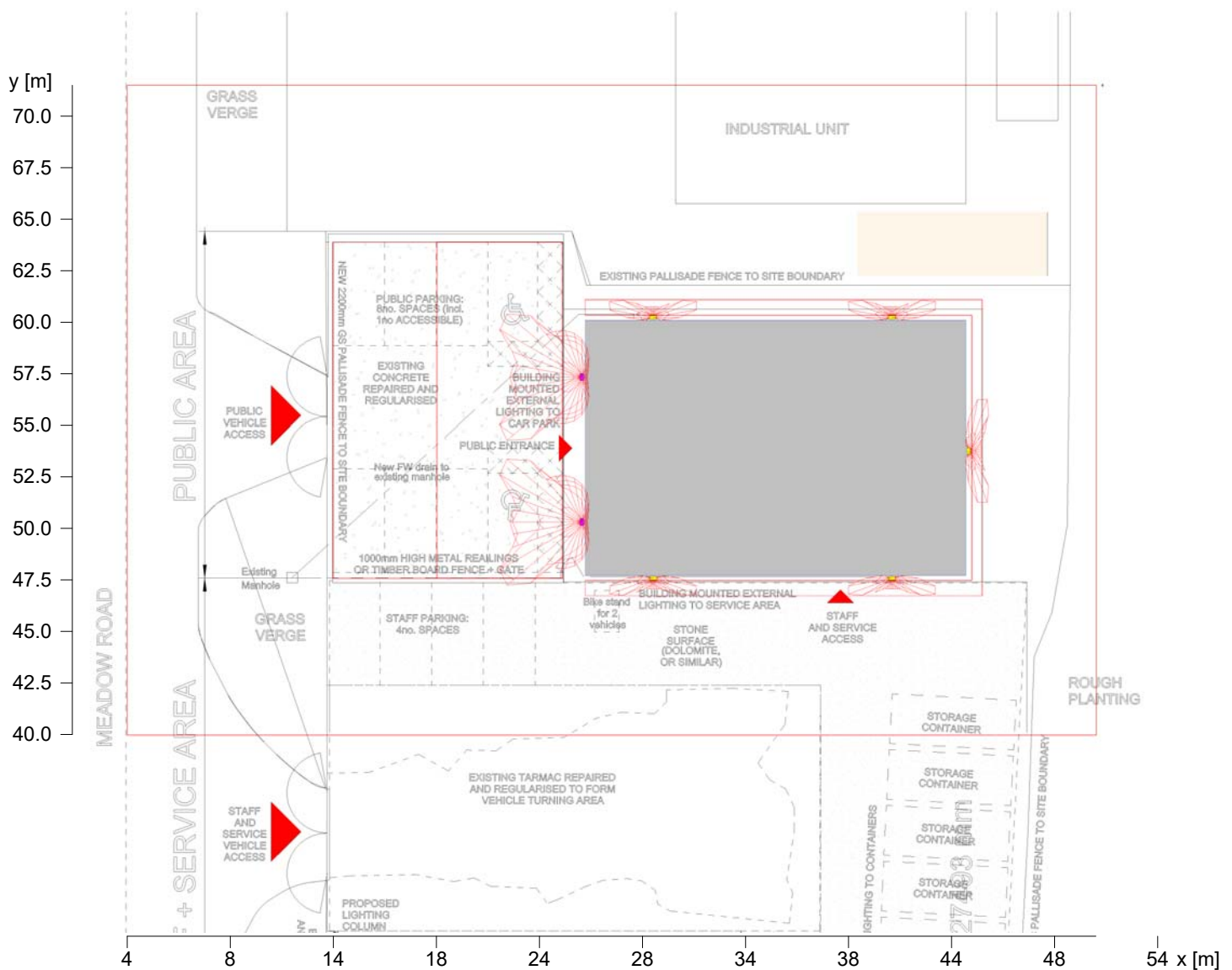
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

## Exterior 1

### Description, Exterior 1

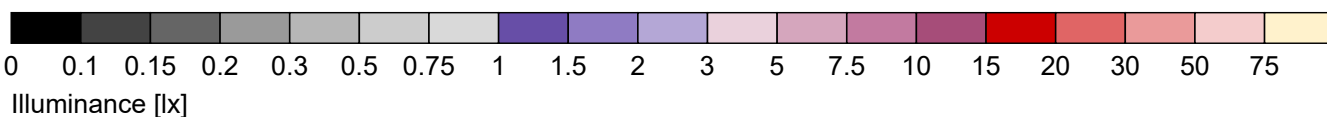
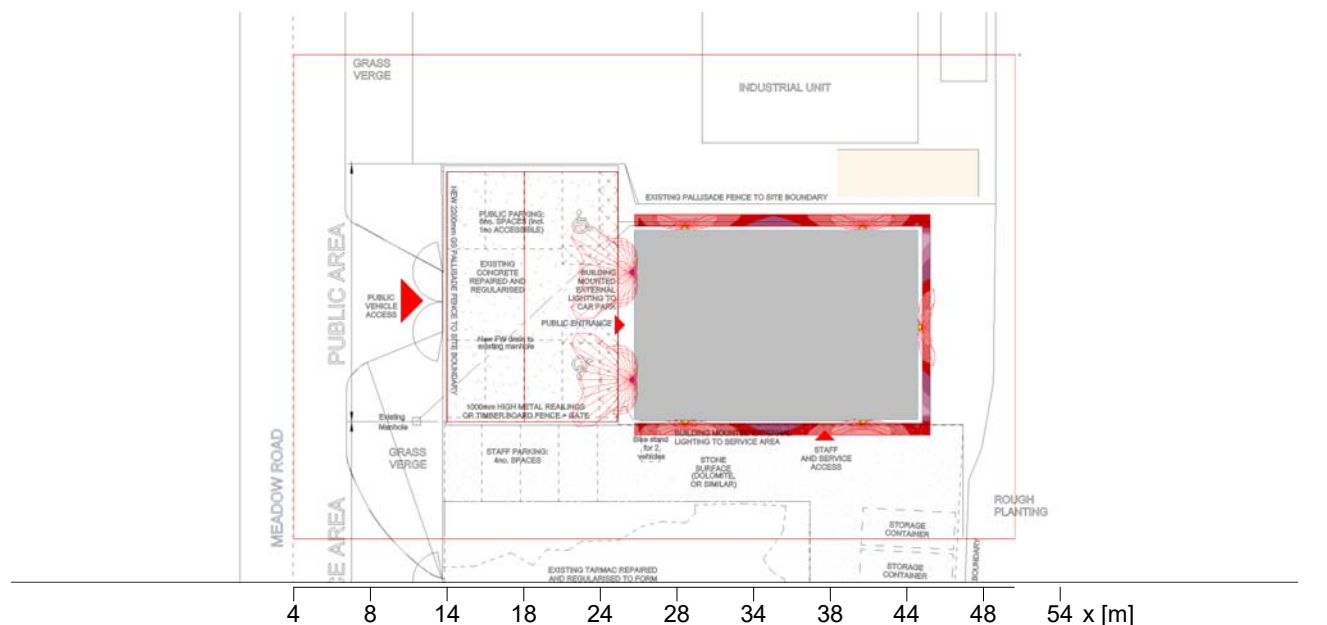
#### Floor plan



## Exterior 1

### Summary, Exterior 1

#### Result overview, Perimeter



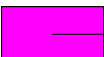
#### General

|                                                |                           |
|------------------------------------------------|---------------------------|
| Calculation algorithm used                     | Average indirect fraction |
| Height of evaluation surface                   | 0.00 m                    |
| Maintenance factor                             | 0.80                      |
| Total luminous flux                            | 12200.5 lm                |
| Total power                                    | 98.9 W                    |
| Total power per area (1480.50 m <sup>2</sup> ) | 0.07 W/m <sup>2</sup>     |

#### Illuminance

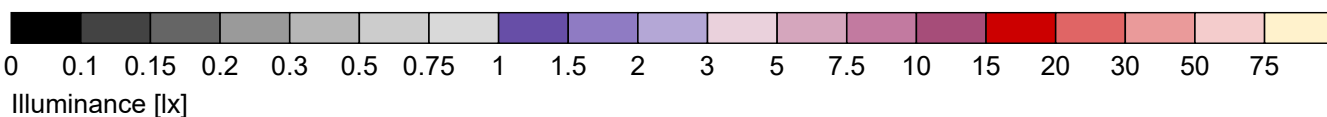
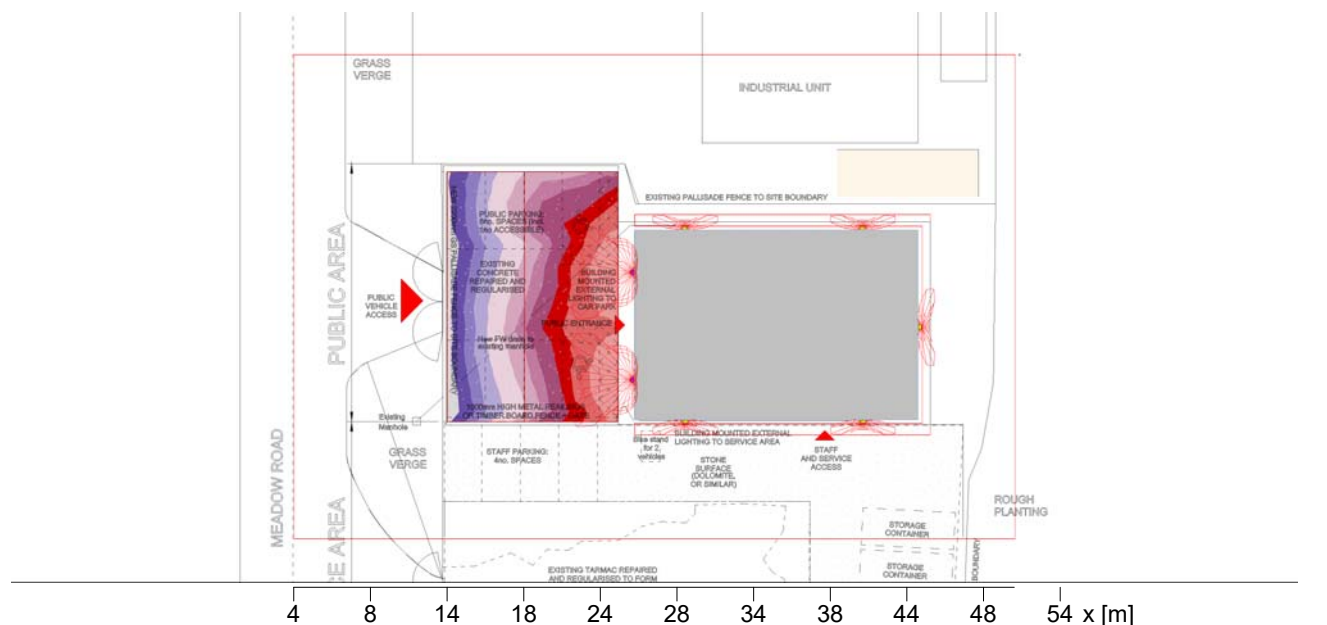
|                     |                     |               |
|---------------------|---------------------|---------------|
| Average illuminance | $\bar{E}_m$         | 26 lx         |
| Minimum illuminance | $E_{min}$           | 6.3 lx        |
| Maximum illuminance | $E_{max}$           | 49.6 lx       |
| Uniformity $U_0$    | $E_{min}/\bar{E}_m$ | 1:4.15 (0.24) |
| Diversity $U_d$     | $E_{min}/E_{max}$   | 1:7.92 (0.13) |

#### Type No. Make

|                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
| <b>ASD</b>                                                                          |                                        |
| 1 5 x                                                                               | Order No. : SEL-B4LED1500-M1           |
|  | Luminaire name : Stealth Elite         |
|                                                                                     | Equipment : 1 x LED 13.1 W / 1609.7 lm |
|                                                                                     | Emergency : 417 lm (25.9 %)            |
| 2 2 x                                                                               | Order No. : SEL-B4LED2000-S0           |
|  | Luminaire name : Stealth Elite         |
|                                                                                     | Equipment : 1 x LED 16.7 W / 2076 lm   |
|                                                                                     | Emergency : 417 lm (20.1 %)            |

## Summary, Exterior 1

### Result overview, Parking Full Area



#### General

|                                                |                           |
|------------------------------------------------|---------------------------|
| Calculation algorithm used                     | Average indirect fraction |
| Height of evaluation surface                   | 0.00 m                    |
| Maintenance factor                             | 0.80                      |
| Total luminous flux                            | 12200.5 lm                |
| Total power                                    | 98.9 W                    |
| Total power per area (1480.50 m <sup>2</sup> ) | 0.07 W/m <sup>2</sup>     |

#### Illuminance

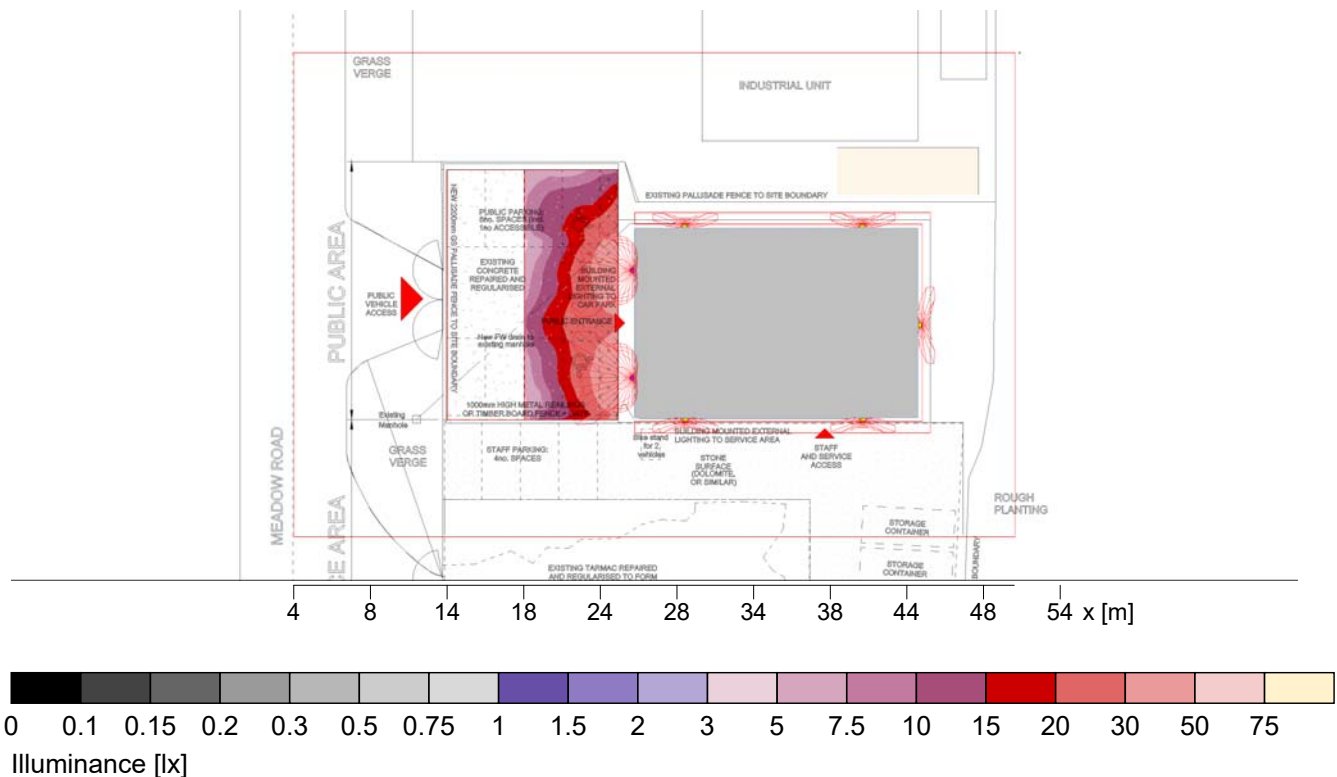
|                     |                     |               |
|---------------------|---------------------|---------------|
| Average illuminance | $\bar{E}_m$         | 11.6 lx       |
| Minimum illuminance | $E_{min}$           | 1 lx          |
| Maximum illuminance | $E_{max}$           | 44 lx         |
| Uniformity $U_0$    | $E_{min}/\bar{E}_m$ | 1:12.2 (0.08) |
| Diversity $U_d$     | $E_{min}/E_{max}$   | 1:46.3 (0.02) |

#### Type No. Make

|                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
| <b>ASD</b>                                                                          |                                        |
| 1 5 x                                                                               | Order No. : SEL-B4LED1500-M1           |
|  | Luminaire name : Stealth Elite         |
|                                                                                     | Equipment : 1 x LED 13.1 W / 1609.7 lm |
|                                                                                     | Emergency : 417 lm (25.9 %)            |
|                                                                                     |                                        |
| 2 2 x                                                                               | Order No. : SEL-B4LED2000-S0           |
|  | Luminaire name : Stealth Elite         |
|                                                                                     | Equipment : 1 x LED 16.7 W / 2076 lm   |
|                                                                                     | Emergency : 417 lm (20.1 %)            |

## Summary, Exterior 1

## Result overview, Parking Partial



## General

|                              |                           |
|------------------------------|---------------------------|
| Calculation algorithm used   | Average indirect fraction |
| Height of evaluation surface | 0.00 m                    |
| Maintenance factor           | 0.80                      |

|                                                |                       |
|------------------------------------------------|-----------------------|
| Total luminous flux                            | 12200.5 lm            |
| Total power                                    | 98.9 W                |
| Total power per area (1480.50 m <sup>2</sup> ) | 0.07 W/m <sup>2</sup> |

## Illuminance

|                     |                     |               |
|---------------------|---------------------|---------------|
| Average illuminance | $\bar{E}_m$         | 18.8 lx       |
| Minimum illuminance | $E_{min}$           | 5.2 lx        |
| Maximum illuminance | $E_{max}$           | 47.8 lx       |
| Uniformity $U_o$    | $E_{min}/\bar{E}_m$ | 1:3.63 (0.28) |
| Diversity $U_d$     | $E_{min}/E_{max}$   | 1:9.24 (0.11) |

## Type No.\Make

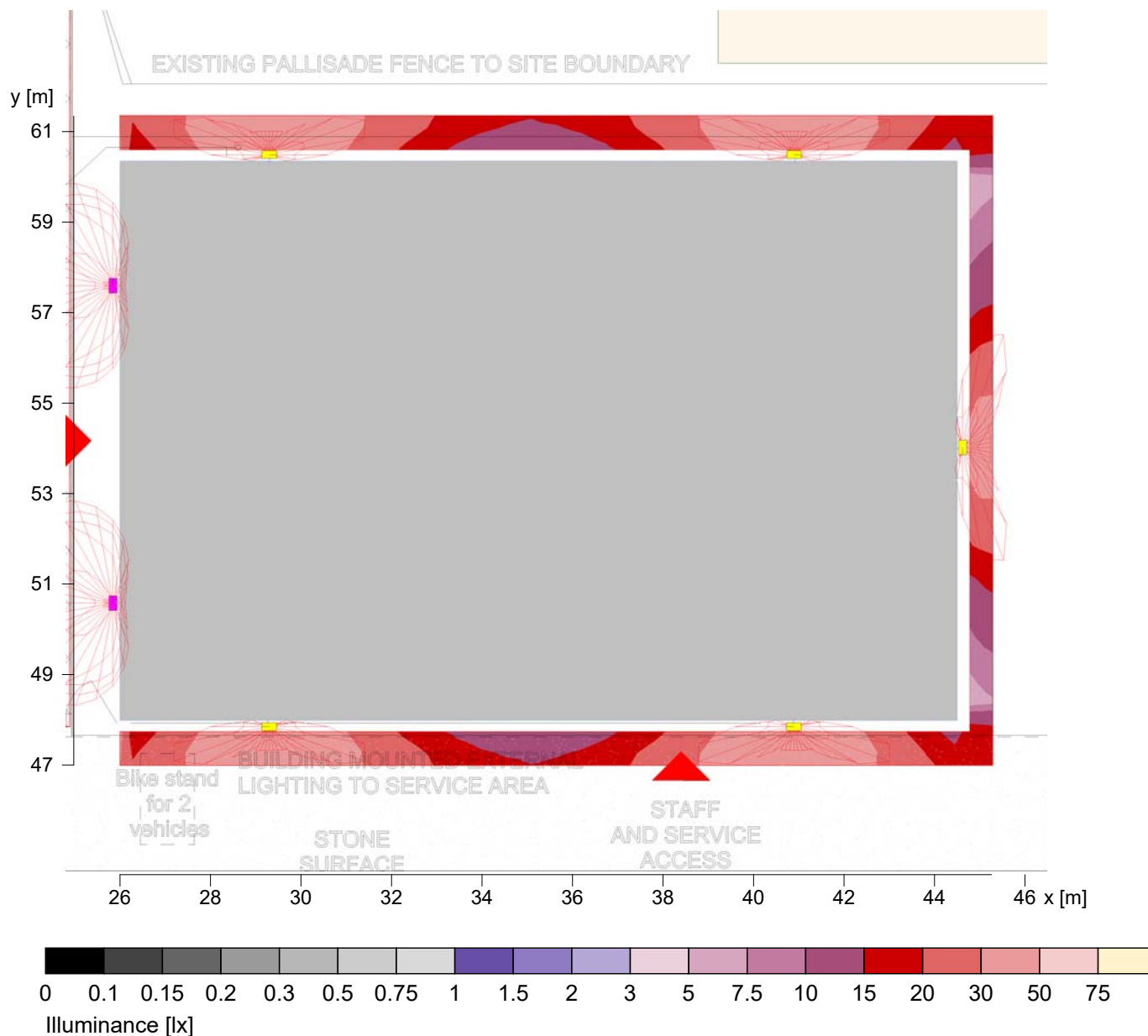
|                                                                                     |     |                                        |
|-------------------------------------------------------------------------------------|-----|----------------------------------------|
| 1                                                                                   | 5 x | <b>ASD</b>                             |
|  |     | Order No. : SEL-B4LED1500-M1           |
|                                                                                     |     | Luminaire name : Stealth Elite         |
|                                                                                     |     | Equipment : 1 x LED 13.1 W / 1609.7 lm |
|                                                                                     |     | Emergency : 417 lm (25.9 %)            |

|                                                                                     |     |                |                            |
|-------------------------------------------------------------------------------------|-----|----------------|----------------------------|
| 2                                                                                   | 2 x | Order No.      | : SEL-B4LED2000-S0         |
|  |     | Luminaire name | : Stealth Elite            |
|                                                                                     |     | Equipment      | : 1 x LED 16.7 W / 2076 lm |
|                                                                                     |     | Emergency      | : 417 lm (20.1 %)          |

## Exterior 1

### Calculation results, Exterior 1

#### Pseudo colours, Perimeter (E)

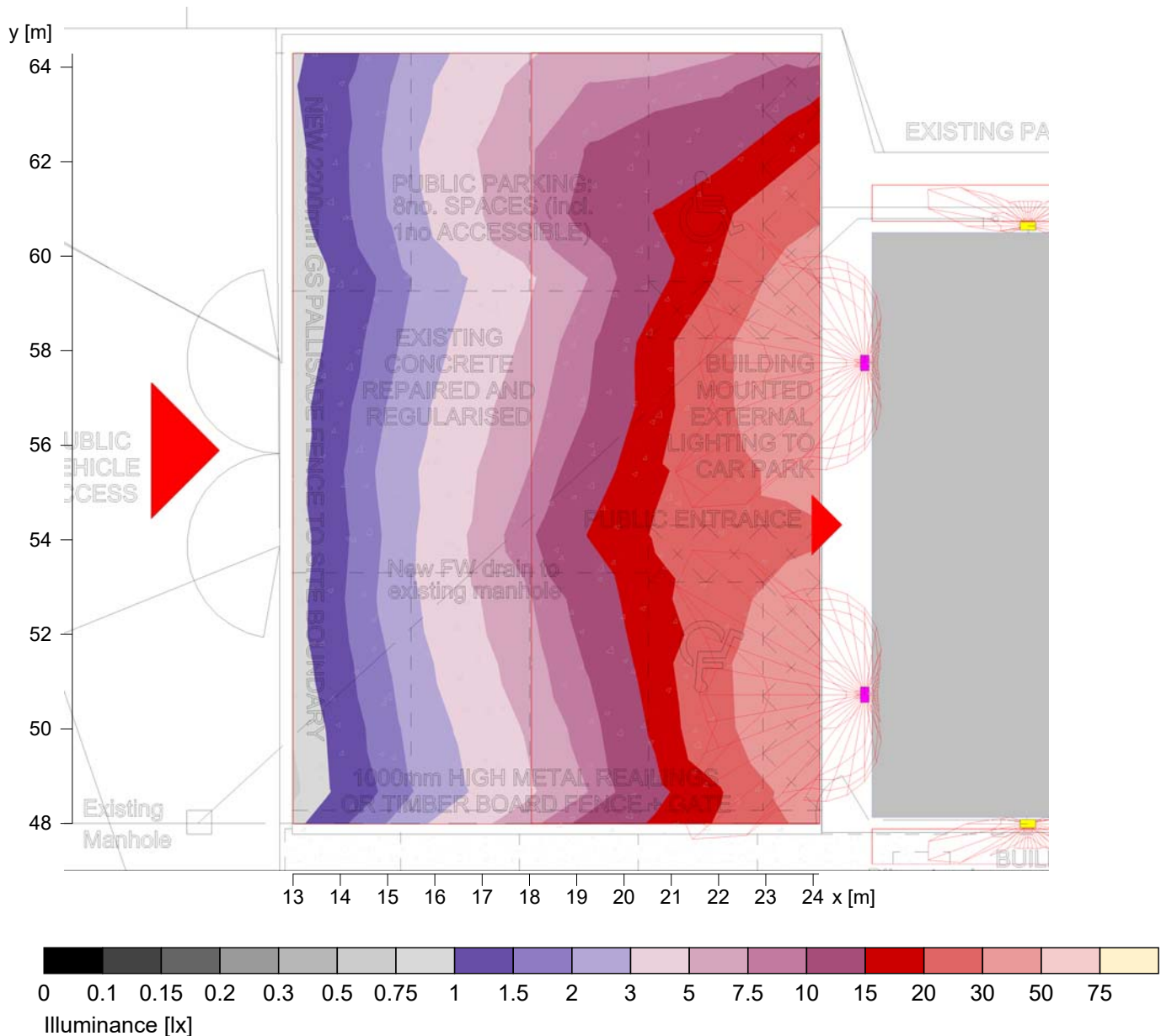


Height reference plane  
 Average illuminance  
 Minimum illuminance  
 Maximum illuminance  
 Uniformity  $U_0$   
 Diversity  $U_d$

: 0.00 m  
 $\bar{E}_m$  : 26 lx  
 $E_{min}$  : 6.3 lx  
 $E_{max}$  : 49.6 lx  
 $E_{min}/\bar{E}_m$  : 1 : 4.15 (0.24)  
 $E_{min}/E_{max}$  : 1 : 7.92 (0.13)

## Calculation results, Exterior 1

### Pseudo colours, Parking Full Area (E)

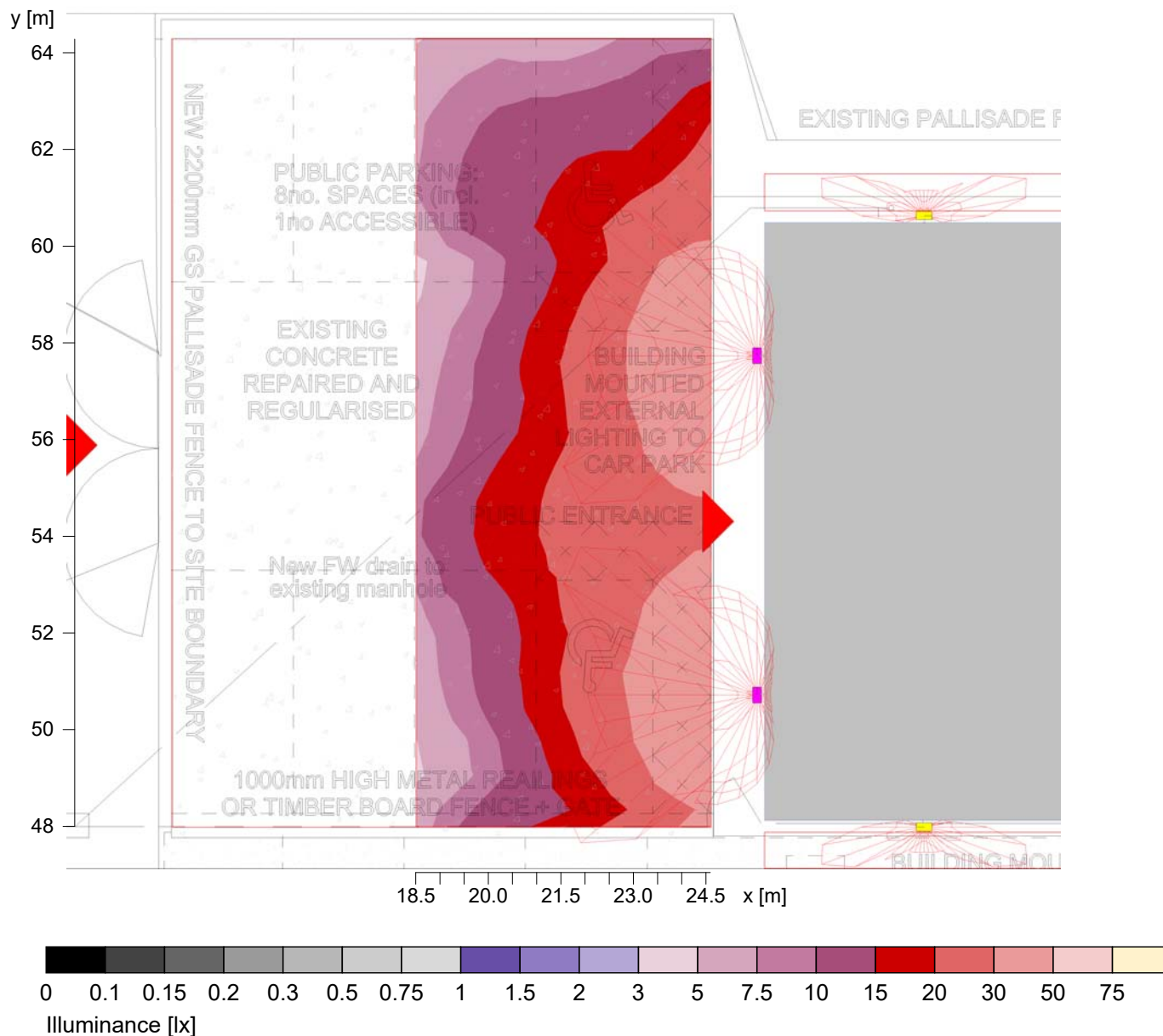


|                        |                     |                    |
|------------------------|---------------------|--------------------|
| Height reference plane |                     | : 0.00 m           |
| Average illuminance    | $\bar{E}_m$         | : 11.6 lx          |
| Minimum illuminance    | $E_{min}$           | : 1 lx             |
| Maximum illuminance    | $E_{max}$           | : 44 lx            |
| Uniformity $U_o$       | $E_{min}/\bar{E}_m$ | : 1 : 12.23 (0.08) |
| Diversity $U_d$        | $E_{min}/E_{max}$   | : 1 : 46.30 (0.02) |



## Calculation results, Exterior 1

### Pseudo colours, Parking Partial (E)



Height reference plane  
 Average illuminance  
 Minimum illuminance  
 Maximum illuminance  
 Uniformity  $U_0$   
 Diversity  $U_d$

: 0.00 m  
 $\bar{E}_m$  : 18.8 lx  
 $E_{min}$  : 5.2 lx  
 $E_{max}$  : 47.8 lx  
 $E_{min}/\bar{E}_m$  : 1 : 3.63 (0.28)  
 $E_{min}/E_{max}$  : 1 : 9.24 (0.11)