



3-5 Newark Street

Installation : New Proposed Installation

Project number : QUO-33554-W1R4D5
Customer : 3Line Electrical Wholesaler
Processed by : Antonio Formisano
Date : 08.06.2020

Project description:

All room/exterior area dimensions to be checked on-site prior to installation.

Calculation based on standard reflectance values as 70/50/20 and Maintenance Factor 0.8.

Lighting designed to CIBSE guidelines where applicable and/or client requirements, all stated lux values are for overall averages across the room reference plane.

Emergency lighting design has been designed in accordance with BS5266/EN1838/ I.S. 3217 where applicable. The emergency lighting needs to be checked and approved by a local fire control officer. All emergency lighting calculations is completed based on 0.5lux for Open Areas and 1lux for Escape Route.

This emergency lighting does not include the calculation for the location of critical emergency items such as (Plant or Switch rooms location of task, Reception telephone, First Aid Points, Extinguisher points, Call points, push bars, fire panels, etc.) as there are not present on issued drawings, therefore higher require lux levels under emergency conditions cannot be design at this stage.

In the absence of a Fire Strategy plan, certain assumptions have been made in regard to Exit Sign based on the shortest Exit Routes. These are to be reviewed in order to verify accuracy for this particular prior to proceeding to order/installation.

All rooms smaller than 60m² will be assumed as “no risk involved “as there is no risk assessment issued from the customer at the design stage for emergency lighting design. This emergency lighting design must be checked by a responsible person or building owner to confirm that assumed risk assessment are correct in this emergency lighting design.

In any circumstances, if assumptions being used in this emergency lighting calculation are not correct, we need to be informed and a new emergency calculation will be completed prior to customer order based on new risk assessment issued.

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.

Produced By
Ansell Lighting Design Department

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1 Luminaire data

1.1 ANSELL, AMENITY - Vision 3 LED... (AVILED/CCT/GR-C...)

1.1.1 Data sheet

Manufacturer: ANSELL



AVILED/CCT/GR-CW+Solid_Eyelid **Wall-mounted luminaire** **AMENITY - Vision 3 LED CCT**

AVILED/CCT/GR-CW+Solid_Eyelid

AMENITY

Vision 3 LED

LED 17W - Graphite - Cool White/Warm White - Cool White operation

Supplied c/w Integral Driver and 3 Trim Designs

- IP65 polycarbonate 3-In-1 LED luminaire for external applications
- Each fitting supplied with plain, louvred eyelid and plain eyelid covers
- Exceeds performance of CFL equivalents
- Integral die-cast aluminium heatsink provides thermally managed high performance
- 20W LED lifespan L70 56,000 hours
- Non-dimmable

Options

/M3 Emergency

/MWS Integral Microwave Sensor

/MWS/M3 Integral Microwave Sensor Emergency

Powered by TRIDONIC

- Suitable for external use only
- 5 Year Product Warranty
- IP65

Luminaire data

Luminaire efficiency : 31.209%
Luminaire efficacy : 40.2 lm/W
Classification : B11 ↓63.9% ↑36.1%
CIE Flux Codes : 20 46 73 64 31
UGR 4H 8H : 27.3 / 19.2
Control gear : Electronic ballast
Power : 16 W
Luminous flux : 643.2 lm

Dimensions : 352 mm x 122 mm x 352 mm

Equipped with

Quantity : 1
Designation : LED
Colour : 840/4000K
Luminous flux : 2061 lm
Socket : --
Colour reproduction : 1B/80...89

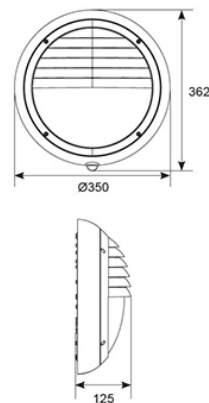
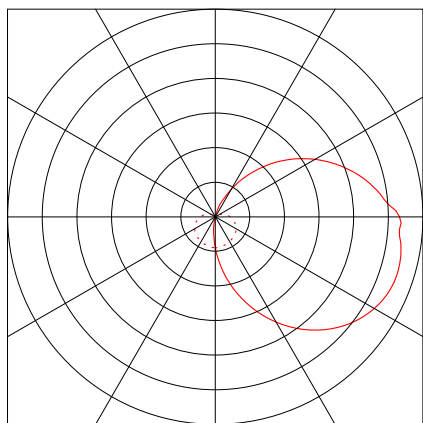
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1 Luminaire data

1.1 ANSELL, AMENITY - Vision 3 LED... (AVILED/CCT/GR-C...)

1.1.1 Data sheet



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1 Luminaire data

1.2 ANSELL, AMENITY - Vision 3 LED... (AVILED/CCT/GR/M...)

1.2.1 Data sheet

Manufacturer: ANSELL



AVILED/CCT/GR/M3-CW+Solid_Eyelid **Wall-mounted luminaire** **AMENITY - Vision 3 LED CCT**

AVILED/CCT/GR/M3-CW+Solid_Eyelid

AMENITY

Vision 3 LED

LED 17W - Graphite - Cool White/Warm White - Cool White operation

Supplied c/w Integral Driver and 3 Trim Designs

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- Integral die-cast aluminium heatsink provides thermally managed high performance
- 20W LED lifespan L70 56,000 hours
- Non-dimmable

Options

/M3 Emergency

/MWS Integral Microwave Sensor

/MWS/M3 Integral Microwave Sensor Emergency

Powered by TRIDONIC

For emergency operation use luminous flux for emergency light of 94.5 lumens.

- Suitable for external use only
- 5 Year Product Warranty
- IP65

Luminaire data

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Control gear : Electronic ballast
Power : 16 W
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Dimensions : 352 mm x 122 mm x 352 mm

Equipped with

Quantity : 1
Designation : LED
Colour : 840/4000K
Luminous flux : 2061 lm
Socket : --
Colour reproduction : 1B/80...89

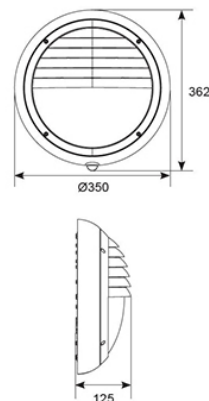
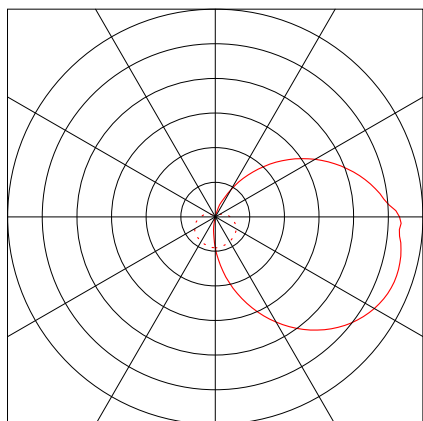
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1 Luminaire data

1.2 ANSELL, AMENITY - Vision 3 LED... (AVILED/CCT/GR/M...)

1.2.1 Data sheet



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 94.5 lm

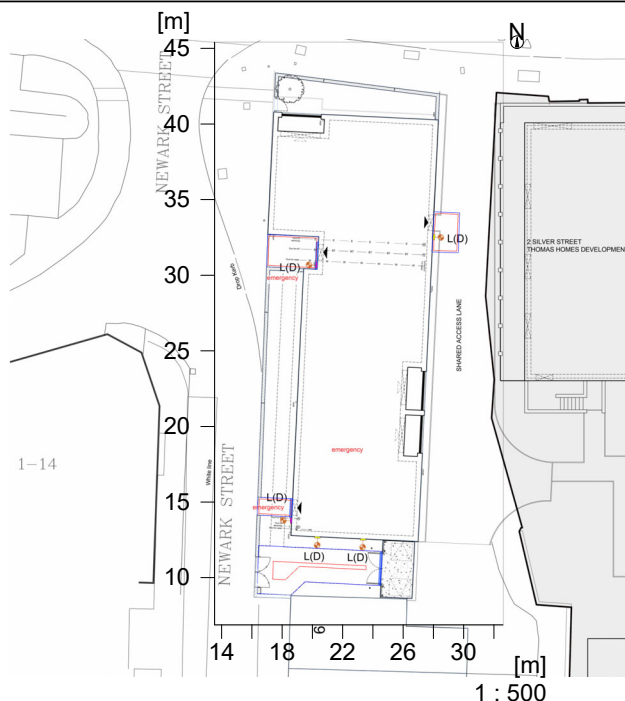
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2 Exterior

2.1 Description, Exterior

2.1.1 Floor plan



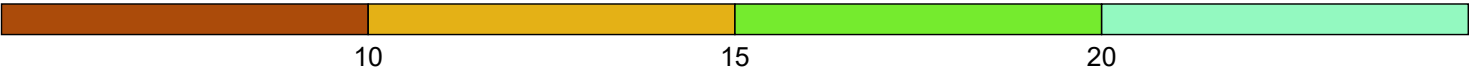
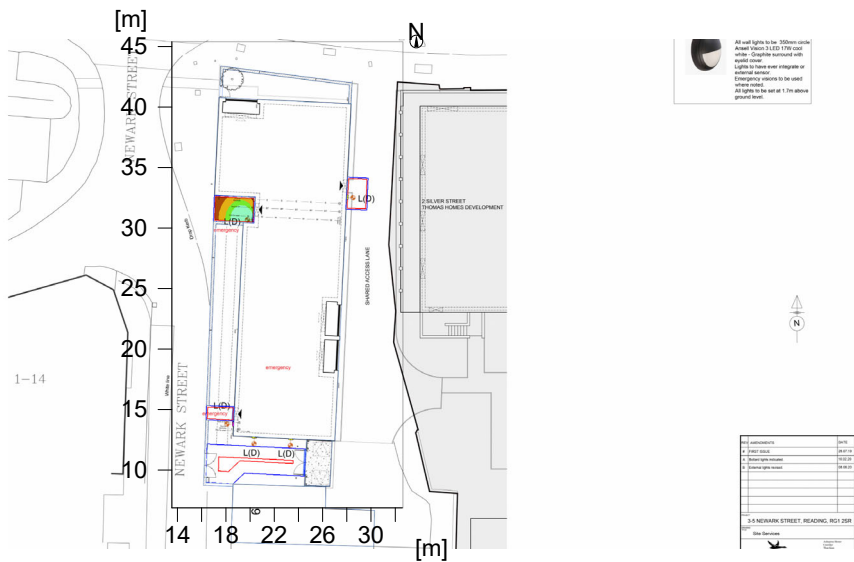
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2 Exterior

2.2 Summary, Exterior

2.2.1 Result overview, Entrance



Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height (phot centre)	1.70 m
Maintenance factor	0.80
Total luminous flux of all lamps	2061.00 lm
Total power	16.0 W
Total power per area (7.23 m²)	2.21 W/m² (12.94 W/m²/100lx)

Entrance

Reference plane 1.1

	Horizontal
Em	17 lx
Emin	7 lx
Emin/Em (Uo)	0.40
Emin/Emax (Ud)	0.19
Upward light ratio (ULR)	0.23
Position	0.00 m

Type No. \Make

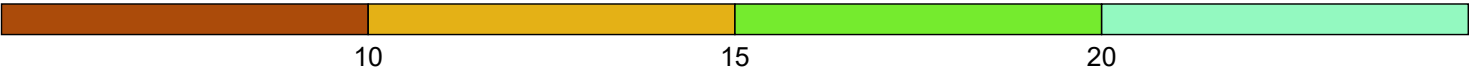
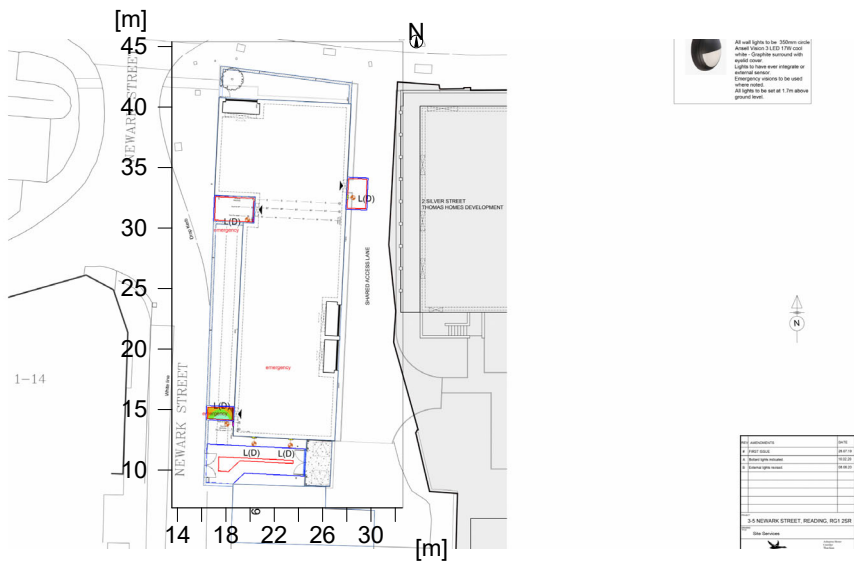
2	1	ANSELL
		Order No. : AVILED/CCT/GR/M3-CW+Solid_Eyelid
		Luminaire name : AMENITY - Vision 3 LED CCT
		Equipment : 1 x LED 16 W / 2061 lm

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2.2 Summary, Exterior

2.2.2 Result overview, Entrance



Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height (phot. centre)	1.70 m
Maintenance factor	0.80

Entrance

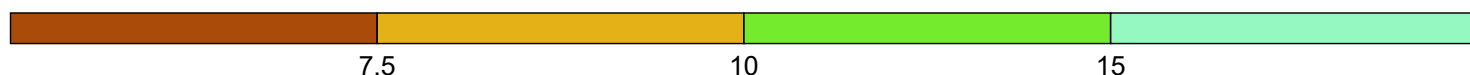
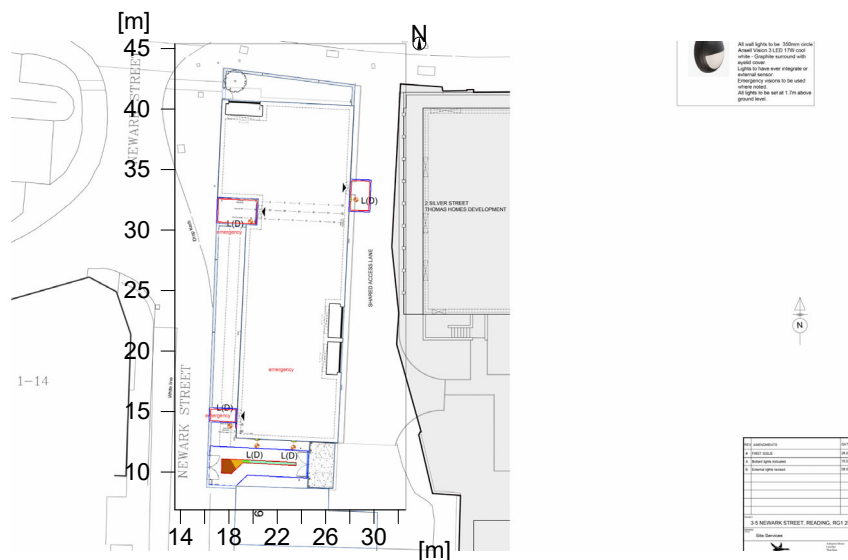
Reference plane 2.1

	Horizontal
Em	16 lx
Emin	7 lx
Emin/Em (Uo)	0.44
Emin/Emax (Ud)	0.28
Upward light ratio (ULR)	0.23
Position	0.00 m

Type No.\Make

The logo for Ansell Lighting, featuring a stylized white 'A' followed by 'nsell' in a bold sans-serif font, with 'LIGHTING' in a smaller, spaced-out sans-serif font below it. The logo is set against a dark red background.

2.2.3 Result overview, Back Alley



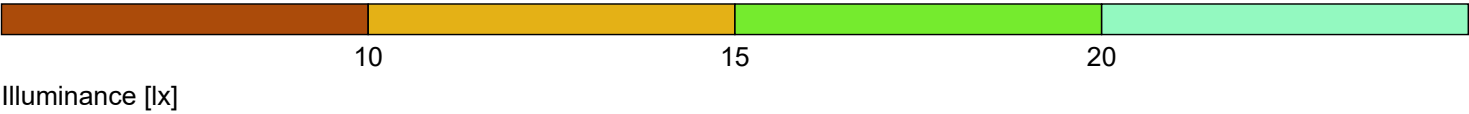
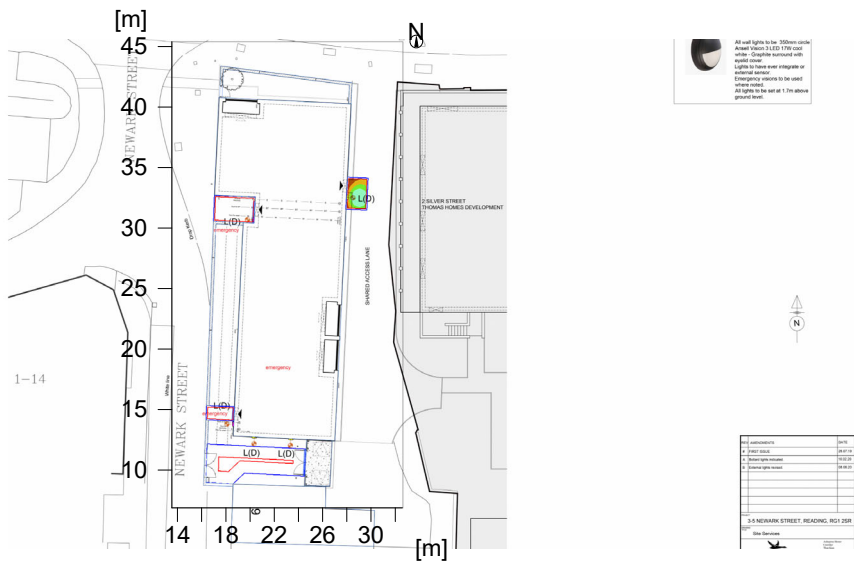
Type No.\Make

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2.2 Summary, Exterior

2.2.4 Result overview, Entrance



General

Calculation algorithm used	Average indirect fraction
Height (phot centre)	1.70 m
Maintenance factor	0.80
Total luminous flux of all lamps	2061.00 lm
Total power	16.0 W
Total power per area (4.54 m²)	3.52 W/m² (20.43 W/m²/100lx)

Entrance

Reference plane 4.1

	Horizontal
Em	17 lx
Emin	6 lx
Emin/Em (Uo)	0.35
Emin/Emax (Ud)	0.23
Upward light ratio (ULR)	0.23
Position	0.00 m

Type No. \Make

ANSELL	
1	1
	
Order No.	: AVILED/CCT/GR-CW+Solid_Eyelid
Luminaire name	: AMENITY - Vision 3 LED CCT
Equipment	: 1 x LED 16 W / 2061 lm