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1.- INFORMATION RELATIVE TO THE ZONES

1.1.- EN12464-1 5.1.1 - Traffic zones inside buildings - Traffic zones - Circulation areas and corridors

1.1.1.- Normal lighting

Minimum colour rendering index (Ra)



Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Corridor 3	80.00	≥ 40.00	✓
Floor 2	Corridor 2	80.00	≥ 40.00	✓
Floor 1	Corridor	80.00	≥ 40.00	✓
Ground floor	Hall	80.00	≥ 40.00	✓

Maintained illuminance (Em)



Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Corridor 3	129.39 lux	≥ 100.00 lux	✓
Floor 2	Corridor 2	129.12 lux	≥ 100.00 lux	✓
Floor 1	Corridor	129.13 lux	≥ 100.00 lux	✓
Ground floor	Hall	127.50 lux	≥ 100.00 lux	✓

Illuminance uniformity (U0)



Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Corridor 3	83.00 %	≥ 40.00 %	✓
Floor 2	Corridor 2	75.92 %	≥ 40.00 %	✓
Floor 1	Corridor	76.88 %	≥ 40.00 %	✓
Ground floor	Hall	69.39 %	≥ 40.00 %	✓

Unified Glare Rating (UGR)



Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Corridor 3	16.00	≤ 28.00	✓
Floor 2	Corridor 2	16.00	≤ 28.00	✓
Floor 1	Corridor	16.00	≤ 28.00	✓
Ground floor	Hall	18.00	≤ 28.00	✓

1.2.- EN12464-1 5.1.2 - Traffic zones inside buildings - Traffic zones - Stairs, escalators, travolators

1.2.1.- Normal lighting

Minimum colour rendering index (Ra)



Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Stairs	85.00	≥ 40.00	✓

Maintained illuminance (Em)

Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Stairs	125.41 lux	≥ 100.00 lux	✓

Illuminance uniformity (U0)

Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Stairs	60.77 %	≥ 40.00 %	✓

Unified Glare Rating (UGR)

Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Stairs	15.00	≤ 25.00	✓

3.- EN12464-1 5.2.1 - General areas inside buildings - Rest, sanitation and first aid rooms - Canteens, pantries

3.1.- Normal lighting

Minimum colour rendering index (Ra)

Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Ground floor	Dining room	80.00	≥ 80.00	✓

Maintained illuminance (Em)

Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Ground floor	Dining room	329.07 lux	≥ 200.00 lux	✓

Illuminance uniformity (U0)

Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Ground floor	Dining room	75.03 %	≥ 40.00 %	✓

Unified Glare Rating (UGR)

Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Ground floor	Dining room	17.00	≤ 22.00	✓

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1.4.- EN12464-1 5.2.4 - General areas inside buildings - Rest, sanitation and first aid rooms - Cloakrooms, washrooms, bathrooms, toilets

1.4.1.- Normal lighting

Minimum colour rendering index (Ra)



Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	WC 3f	80.00	≥ 80.00	✓
Floor 2	WC 2f	85.00	≥ 80.00	✓
Floor 1	WC 1f	85.00	≥ 80.00	✓
Ground floor	WC gf	85.00	≥ 80.00	✓

Maintained illuminance (Em)



Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	WC 3f	250.40 lux	≥ 200.00 lux	✓
Floor 2	WC 2f	248.89 lux	≥ 200.00 lux	✓
Floor 1	WC 1f	248.85 lux	≥ 200.00 lux	✓
Ground floor	WC gf	248.92 lux	≥ 200.00 lux	✓

Illuminance uniformity (U0)



Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	WC 3f	92.88 %	≥ 40.00 %	✓
Floor 2	WC 2f	86.78 %	≥ 40.00 %	✓
Floor 1	WC 1f	86.72 %	≥ 40.00 %	✓
Ground floor	WC gf	86.75 %	≥ 40.00 %	✓

Unified Glare Rating (UGR)



Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	WC 3f	0.00	≤ 25.00	✓
Floor 2	WC 2f	0.00	≤ 25.00	✓
Floor 1	WC 1f	0.00	≤ 25.00	✓
Ground floor	WC gf	0.00	≤ 25.00	✓

1.5.- EN12464-1 5.3.1 - General areas inside buildings - Control rooms - Plant rooms, switch gear rooms

1.5.1.- Normal lighting

Minimum colour rendering index (Ra)



Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Technical room	80.00	≥ 60.00	✓

Maintained illuminance (Em) ✓

Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Technical room	232.49 lux	≥ 200.00 lux	✓

Illuminance uniformity (U0) ✓

Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Technical room	50.44 %	≥ 40.00 %	✓

Unified Glare Rating (UGR) ✓

Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 4	Technical room	25.00	≤ 25.00	✓

16.- EN12464-1 5.26.2 - Offices - Offices - Writing, typing, reading, data processing

16.1.- Normal lighting

Minimum colour rendering index (Ra) ✓

Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Office 8	80.00	≥ 80.00	✓
Floor 3	Office 10	80.00	≥ 80.00	✓
Floor 3	Office 9	80.00	≥ 80.00	✓
Floor 2	Office 5	80.00	≥ 80.00	✓
Floor 2	Office 7	80.00	≥ 80.00	✓
Floor 2	Office 6	80.00	≥ 80.00	✓
Floor 1	Office 2	80.00	≥ 80.00	✓
Floor 1	Office 3	80.00	≥ 80.00	✓
Floor 1	Office 4	80.00	≥ 80.00	✓
Ground floor	Office 1	80.00	≥ 80.00	✓

Maintained illuminance (Em) ✓

Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Office 8	543.67 lux	≥ 500.00 lux	✓
Floor 3	Office 10	523.37 lux	≥ 500.00 lux	✓
Floor 3	Office 9	503.49 lux	≥ 500.00 lux	✓
Floor 2	Office 5	587.05 lux	≥ 500.00 lux	✓
Floor 2	Office 7	508.74 lux	≥ 500.00 lux	✓
Floor 2	Office 6	605.57 lux	≥ 500.00 lux	✓
Floor 1	Office 2	576.69 lux	≥ 500.00 lux	✓

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Floor plan	Zone	Project	Design code	Meets the requirements
Floor 1	Office 3	509.30 lux	≥ 500.00 lux	✓
Floor 1	Office 4	595.35 lux	≥ 500.00 lux	✓
Ground floor	Office 1	551.80 lux	≥ 500.00 lux	✓

Illuminance uniformity (U0)



Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Office 8	78.10 %	≥ 60.00 %	✓
Floor 3	Office 10	79.25 %	≥ 60.00 %	✓
Floor 3	Office 9	78.78 %	≥ 60.00 %	✓
Floor 2	Office 5	71.36 %	≥ 60.00 %	✓
Floor 2	Office 7	84.98 %	≥ 60.00 %	✓
Floor 2	Office 6	86.10 %	≥ 60.00 %	✓
Floor 1	Office 2	71.87 %	≥ 60.00 %	✓
Floor 1	Office 3	84.95 %	≥ 60.00 %	✓
Floor 1	Office 4	86.11 %	≥ 60.00 %	✓
Ground floor	Office 1	91.77 %	≥ 60.00 %	✓

Unified Glare Rating (UGR)



Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 3	Office 8	16.00	≤ 19.00	✓
Floor 3	Office 10	16.00	≤ 19.00	✓
Floor 3	Office 9	17.00	≤ 19.00	✓
Floor 2	Office 5	18.00	≤ 19.00	✓
Floor 2	Office 7	16.00	≤ 19.00	✓
Floor 2	Office 6	17.00	≤ 19.00	✓
Floor 1	Office 2	18.00	≤ 19.00	✓
Floor 1	Office 3	16.00	≤ 19.00	✓
Floor 1	Office 4	16.00	≤ 19.00	✓
Ground floor	Office 1	15.00	≤ 19.00	✓

1.7.- EN12464-1 5.26.5 - Offices - Offices - Conference and meeting rooms

1.7.1.- Normal lighting

Minimum colour rendering index (Ra)



Minimum colour rendering index (Ra) of the lights installed.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 2	Meeting room 2	80.00	≥ 80.00	✓
Floor 1	Meeting room	80.00	≥ 80.00	✓

Maintained illuminance (Em)



Minimum maintained illuminance (Em) on the reference surface.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 2	Meeting room 2	640.70 lux	≥ 500.00 lux	✓
Floor 1	Meeting room	619.04 lux	≥ 500.00 lux	✓

Illuminance uniformity (U0)



Minimum illuminance uniformity (U0) on the reference surface, for the maintained illuminance.

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 2	Meeting room 2	69.64 %	≥ 60.00 %	✓
Floor 1	Meeting room	70.04 %	≥ 60.00 %	✓

Unified Glare Rating (UGR)



Unified Glare Rating limit (UGR).

Floor plan	Zone	Project	Design code	Meets the requirements
Floor 2	Meeting room 2	18.00	≤ 19.00	✓
Floor 1	Meeting room	18.00	≤ 19.00	✓