Application examples for installers and planners

No. of example	Application
1 - 3	Corridor
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5 - 9	Stairwell
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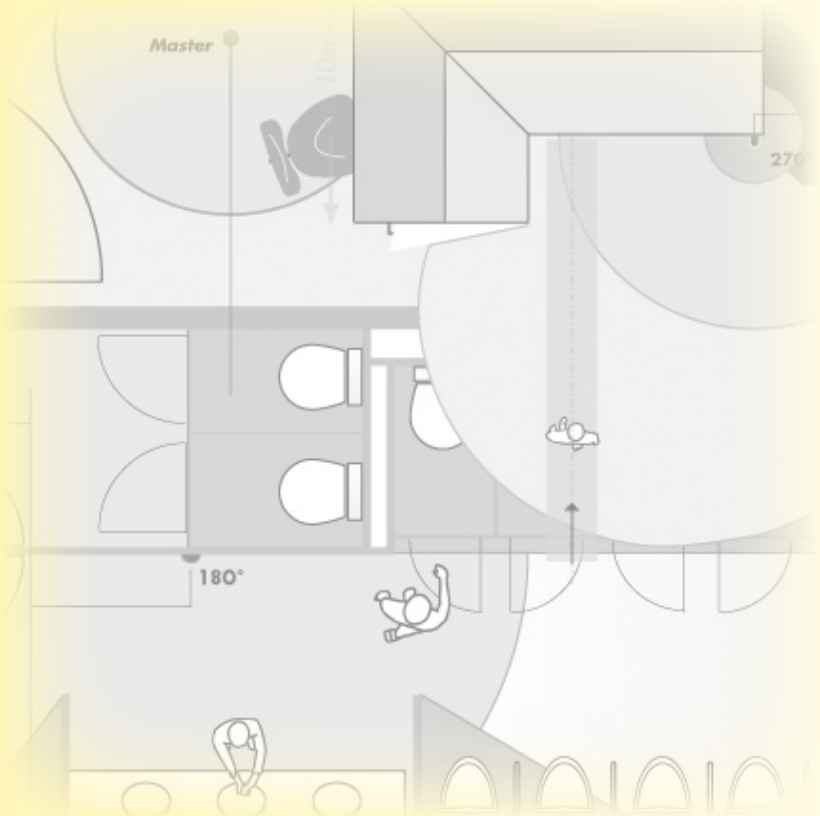
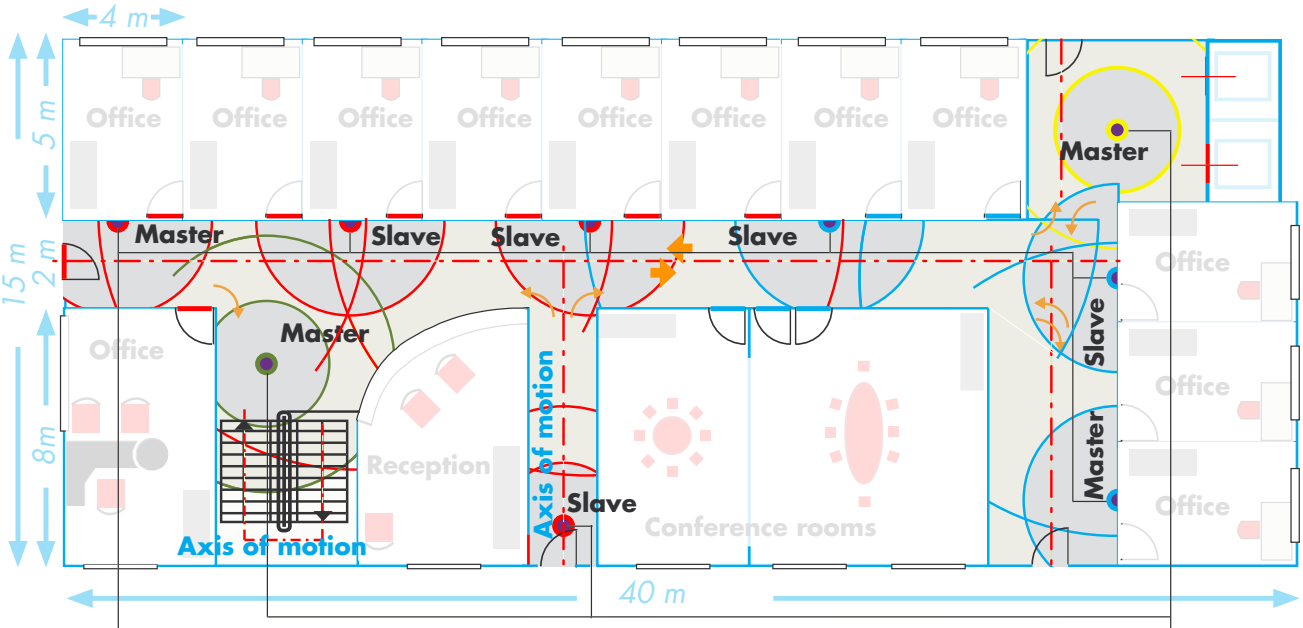
15	Private garage
16	Individual office
17 - 18	Wash room
19	Gymnasium
20	Pallet storage
21 - 22	Class room
23	Boutique
24	House entrance



Corridor example

Nr. 1: with LUXOMAT® Indoor180 and PD2



Flush mounted

Indoor 180 Master/ Slave

PD2-Master/Slave

Surface mounted

Ceiling mounted

Flush mounted

Typical example 1: Corridor with LUXOMAT® Indoor180 and PD2

Application description:
An automatic lighting control with wall switches is to be implemented as a occupancy detector in an office-floor corridor. 4-lighting groups are to be formed and each is to be individually switched:
The lobby to the staff elevators (yellow), a reception area (green), and 2 separate corridor sectors (red and blue).

Note:
Pay special attention to the access areas. To ensure "dead zones" are prevented in the corridor, increase the switch-off delay time if necessary. When the detectors are being directly (radially) approached, it is critical that the range specifications specially indicated in the catalogue for "frontal approach (radial approach)" be taken into consideration. Corridors can be ideally kept under surveillance with both the PD4 corridor detector as well as with the Indoor 180 wall switch.

Building information:
Type: Corridor without daylight
Dimensions: L 40 x W 15 m
Room height: 2.70 m (in light)

Illumination:
4 separate lighting groups with electronic ballasts

Products shown:
4 each Indoor 180 SLAVE
2 each Indoor 180 MASTER
1 each PD2 SLAVE
2 each PD2 MASTER

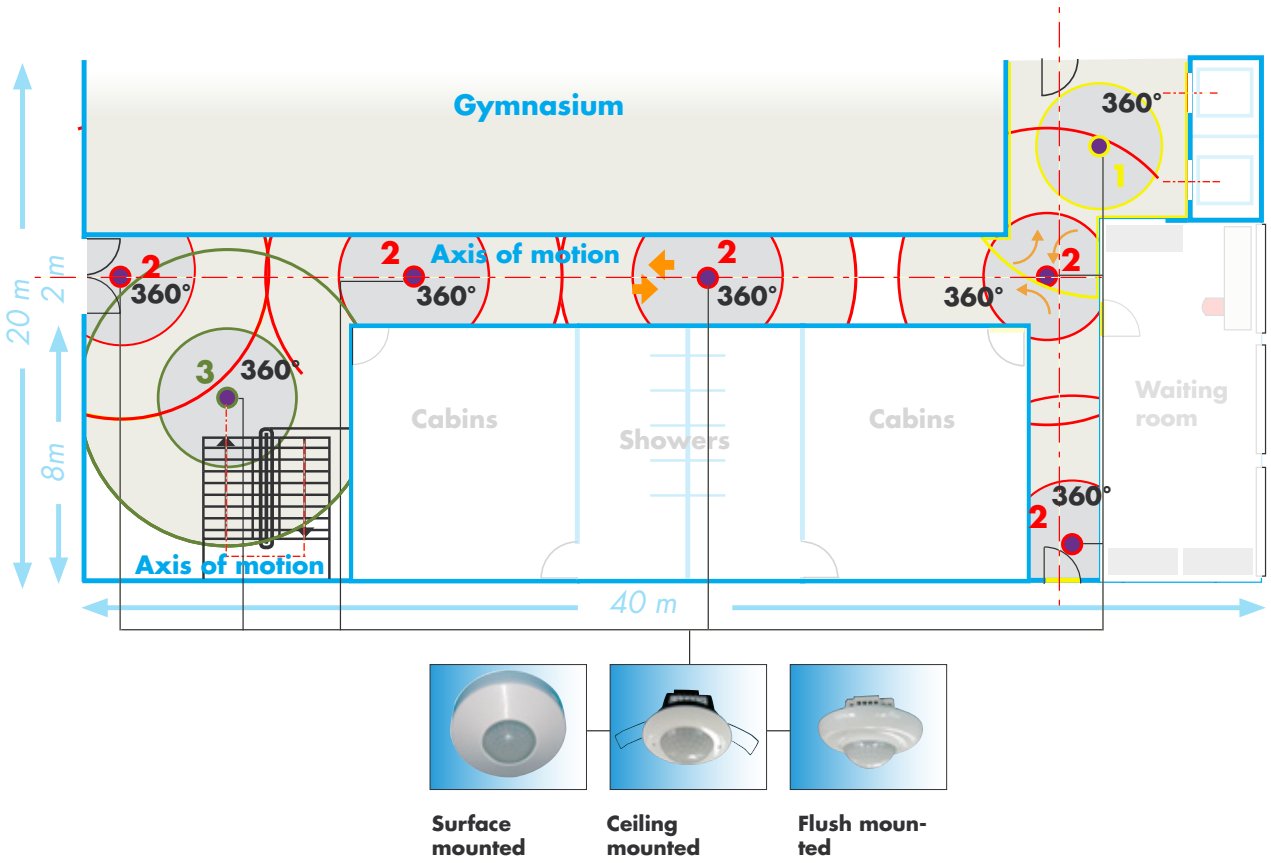
Master settings PD2 / Indoor180:
Switch-off delay time R1: >5 min
Brightness switching value R1: 500 Lux or individual using remote control
Switch-off delay value R2: optional

Connected circuit:
-Master operation in the reception area and in the lift antechamber
-Master/Slave switching in transit area.
-The master unit must always be mounted at the point with the least proportion of daylight.

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Corridor example

Nr. 2: with LUXOMAT® PD3



PD3 AP/FP/EN

Typical example 2: Corridor with LUXOMAT® PD3

Application description:
Corridor in sports facilities with 3 lighting groups: staff-elevator lobby (yellow), corridor area (red), stairwell area (green)

Note:
Pay special attention to the access areas. To ensure "dead zones" are prevented in the corridor,i ncrease the switch-off delay time if necessary. When being directly (radially) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "frontal approach (radial approach)"

Building information:
Type: Corridor without daylight
Dimensions: L 40 x W 15 m
Room height: 2.70 m (clear opening)

Illumination: *3 separate lighting groups with electronic ballasts*

Products shown:
7 each PD3 AP/FP/EN

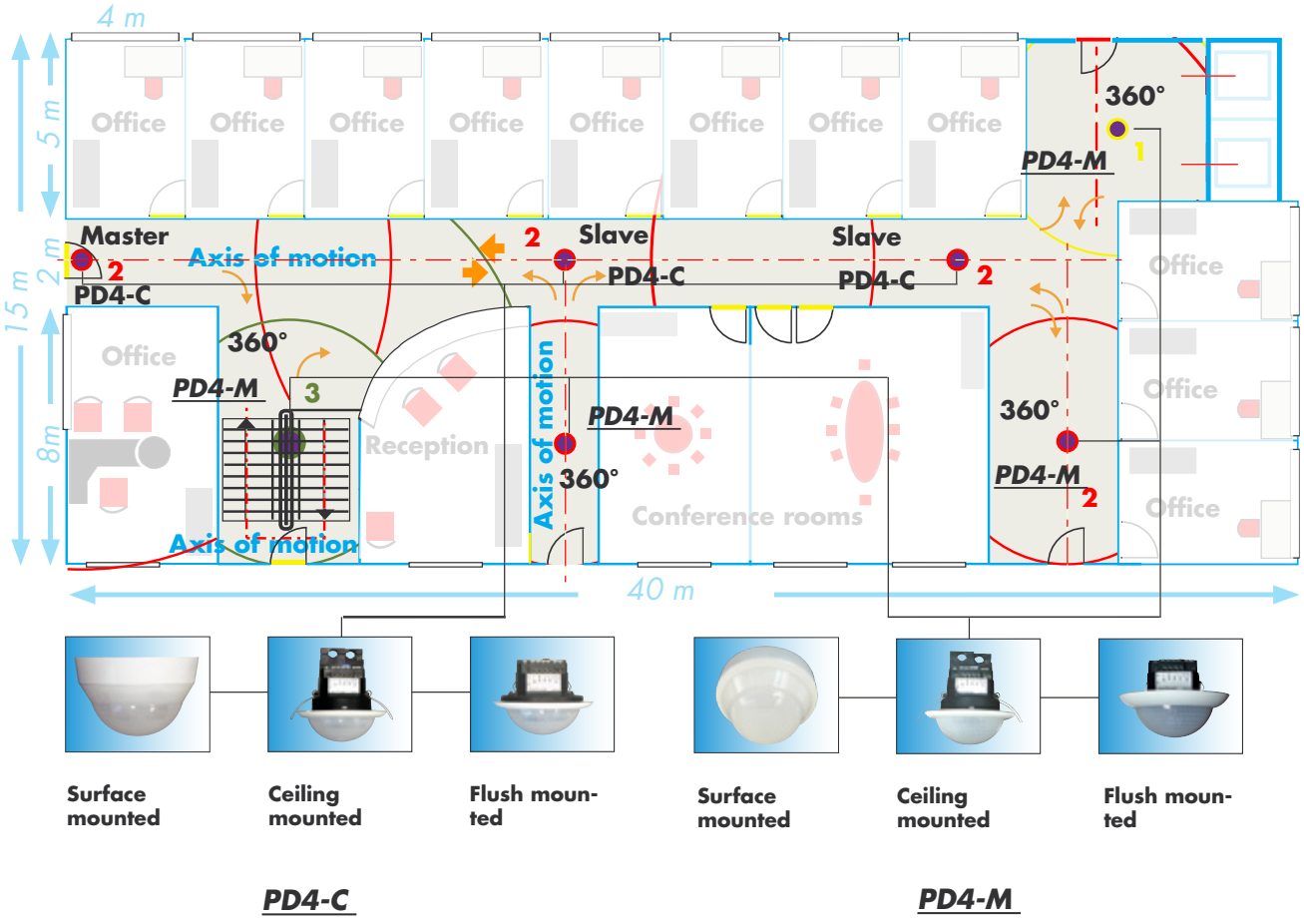
PD3 device settings:
Switch-off delay time: > 5 min.
Brightness: Day/Night ("Sun" symbol)

Connected circuit:
- Parallel operation in corridor area
- Standard operation in lift room and stairwell area

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Corridor example

Nr. 3: with **LUXOMAT®** *PD4-RC/C and PD4/M*



Typical example 3: with **LUXOMAT®** *PD4-RC/C and PD4/M*

Application description:
Corridor in an office level with 3 lighting groups: lobby to the passenger lifts (red), corridor area (yellow) Stairwell area (green)

Note:
Pay special attention to the access areas to ensure "Dead zones" are prevented in the corridor. Increase the switch-off delay time if necessary. When being directly (radially) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "frontal approach (radial approach), 10 m radius for the corridor presence detector. The large sensitivity is available in the corridor axis only. Across applies the sensitivity of the standard PD4. /See also range diagramm page 22)

Building information:
Type: Corridor without daylight.
Room height: 2.70 m

Illumination:
3 separate lighting groups with electronic ballasts

Products shown:
1 each PD4-RC/C Master (Corridor presence detector)
2 each PD4-RC/C Slave (Corridor presence detector)
4 each PD4 Master

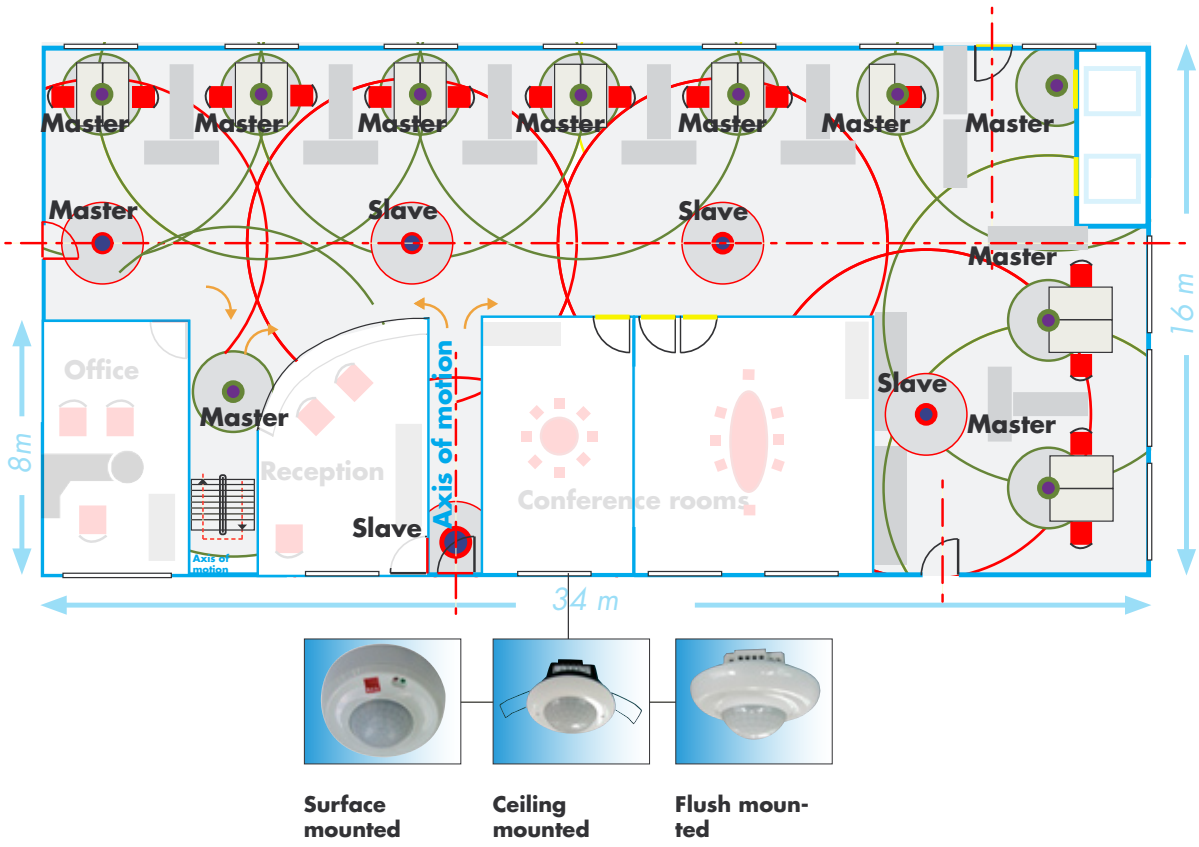
PD4 device settings:
Switch-off delay time: appr. 5 min.
Brightness: Day/Night ("Sun" symbol)

Connected circuit:
Master-/slave operation in corridor area
Standard operation in lift room and stairwell area

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Open-plan office example

Nr. 4: with LUXOMAT® PD2



PD2 Master/Slave

Typical example 4: Open-plan office with LUXOMAT® PD2

■ *Application description:*
Automatic lighting control with occupancy detectors is to be implemented in an open-plan office. The multiple and single workstations, the reception area, and the lobby to the passenger lifts are each switched individually. The transit area is to be entirely surveillanced.

■ *Building information:*
Type: Open-plan office with daylight
Dimensions: L 34 x W 16 m
Room height: 2.70 m (headroom)

■ *Illumination:*
11 separate lighting groups with electronic ballasts

■ *Products shown:*
4 each PD2 SLAVE
11 each PD2 MASTER

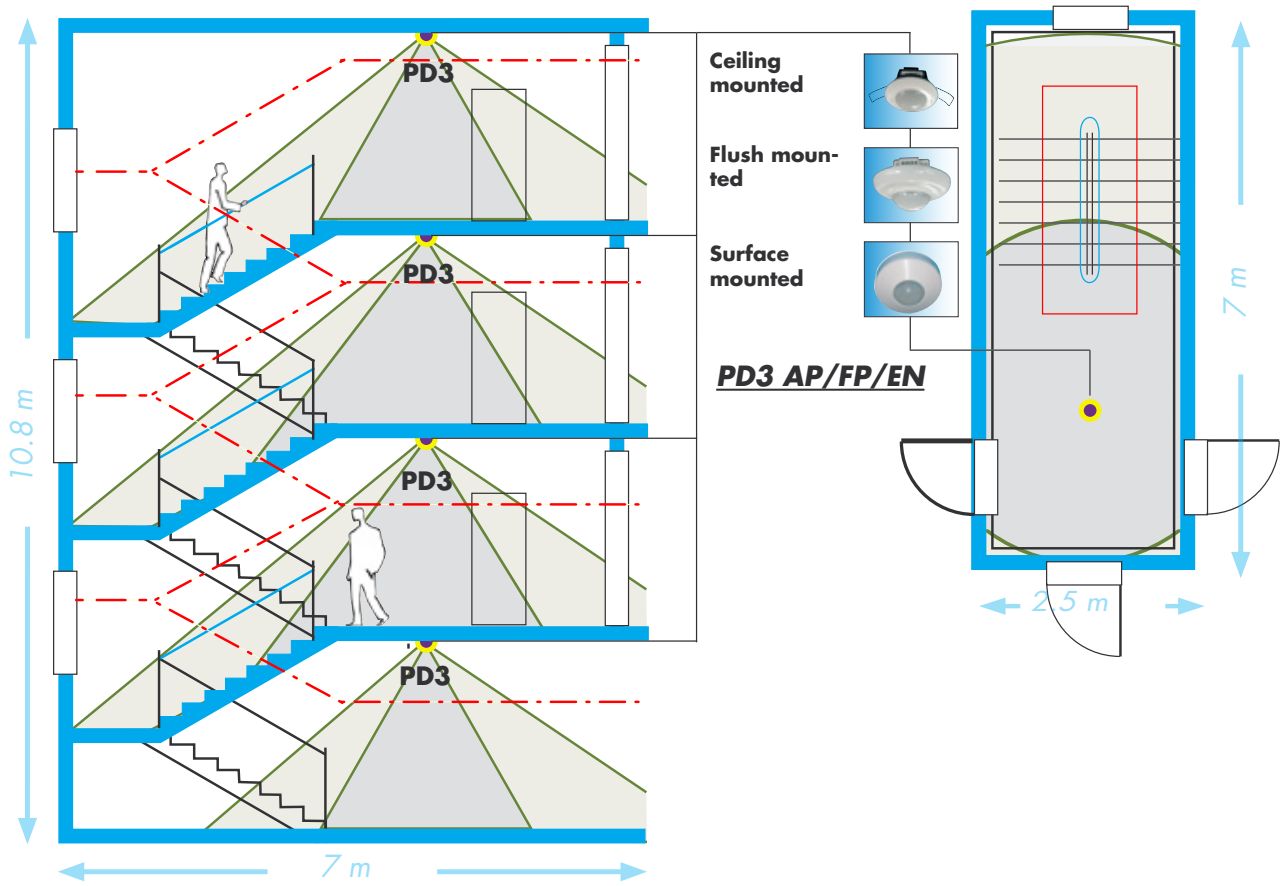
■ *PD2 Master device settings:*
Switch-off delay time R1: 5 min
Brightness switching value R1: 300 lux or individual using remote control
Switch-off delay time R2: optional

■ *Connected circuit:*
Master operation at workstations and in the reception area, master/slave switching in transit area.
The master unit must always be mounted at the point with the least proportion of daylight.

■ *Please note:* *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Stairwell example

Nr. 5: with **LUXOMAT®** *PD3*



Typical example 5: With **LUXOMAT®** *PD3*

Application description:
The lighting in the stairwell of a multi-family dwelling is to be automatically controlled with occupancy detectors. The presence detector is to be mounted on the ceiling.

Building information:
Type: Stairwell with 3 residential floors and a basement level without daylight.
Dimensions: L 7.0 x W 2.5 m
Floor height: 2.70 m (headroom)

Illumination:
1 lighting group with electronic ballast

Products shown:
4 each PD3

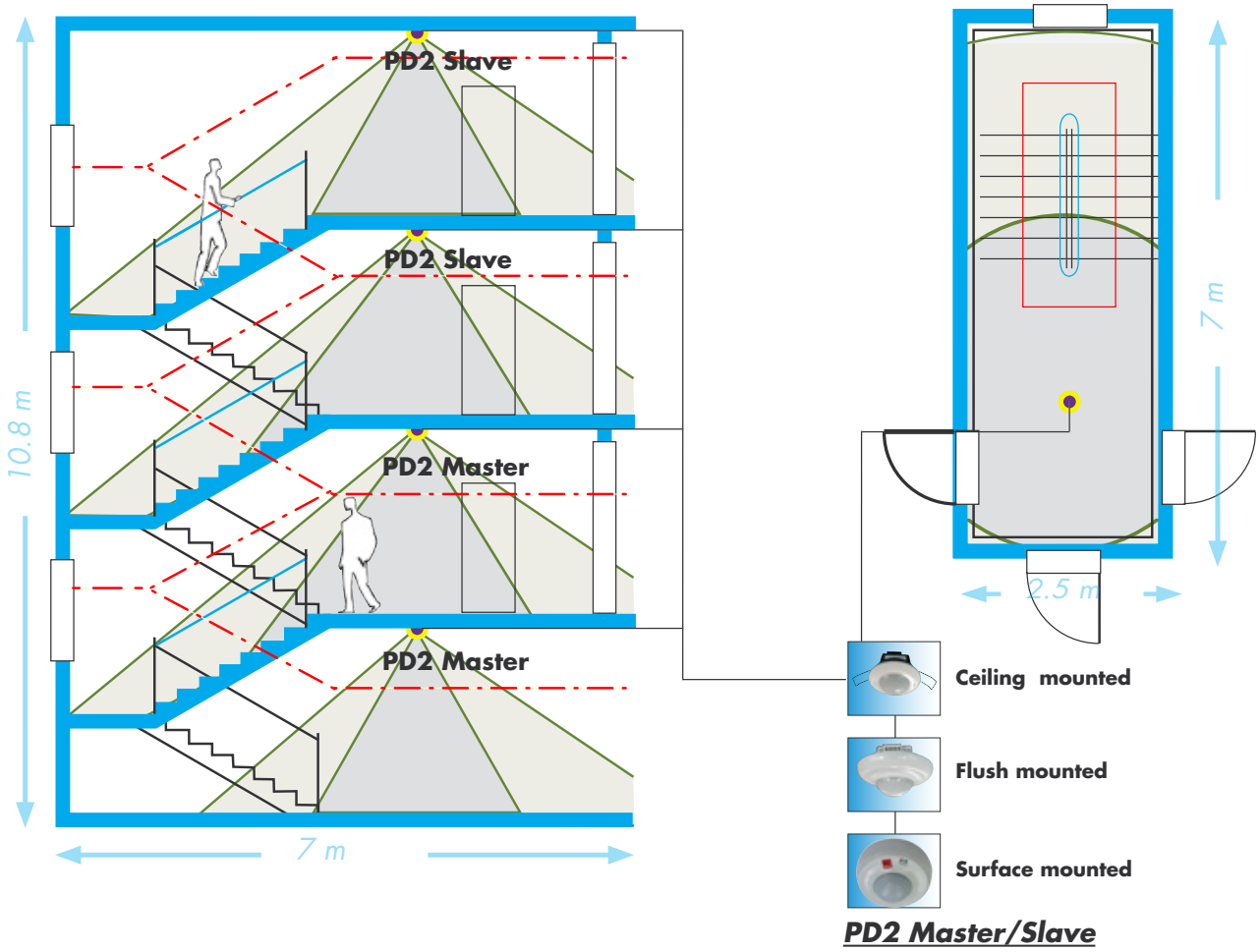
Device settings:
Switch-off delay time: 5 min
Brightness switching value: approx. 300 Lux

Connected circuit:
Parallel operation

Alternatives:
Typical example no. 6: Stairwell with PD2 occupancy detectors
Typical example no. 7: With Indoor 180/R occupancy detectors using 3-conductor engineering
Typical example no. 8: Stairwell with Indoor 180/SC occupancy detectors using 2-conductor impulse engineering
Typical example no. 9, : Stairwell with RC-plus

Stairwell example

Nr. 6: with LUXOMAT® PD2



Typical example 6: With LUXOMAT® PD2

Application description:
In the stairwell of a multi-family dwelling, two lighting groups (residential floors/basement level) are to be automatically controlled with occupancy detectors. The occupancy detectors are to be mounted on the ceiling.

Building information:
Type: Stairwell with 3 residential floors and a basement floor without daylight.
Dimensions: L 7.0 x W 2.5 m
Floor height: 2.70 m (headroom)

Illumination:
2 Lighting groups with electronic ballast (basement level without proportion of daylight, residential floors)

Products shown:
2 each PD2 SLAVE
2 each PD2 MASTER

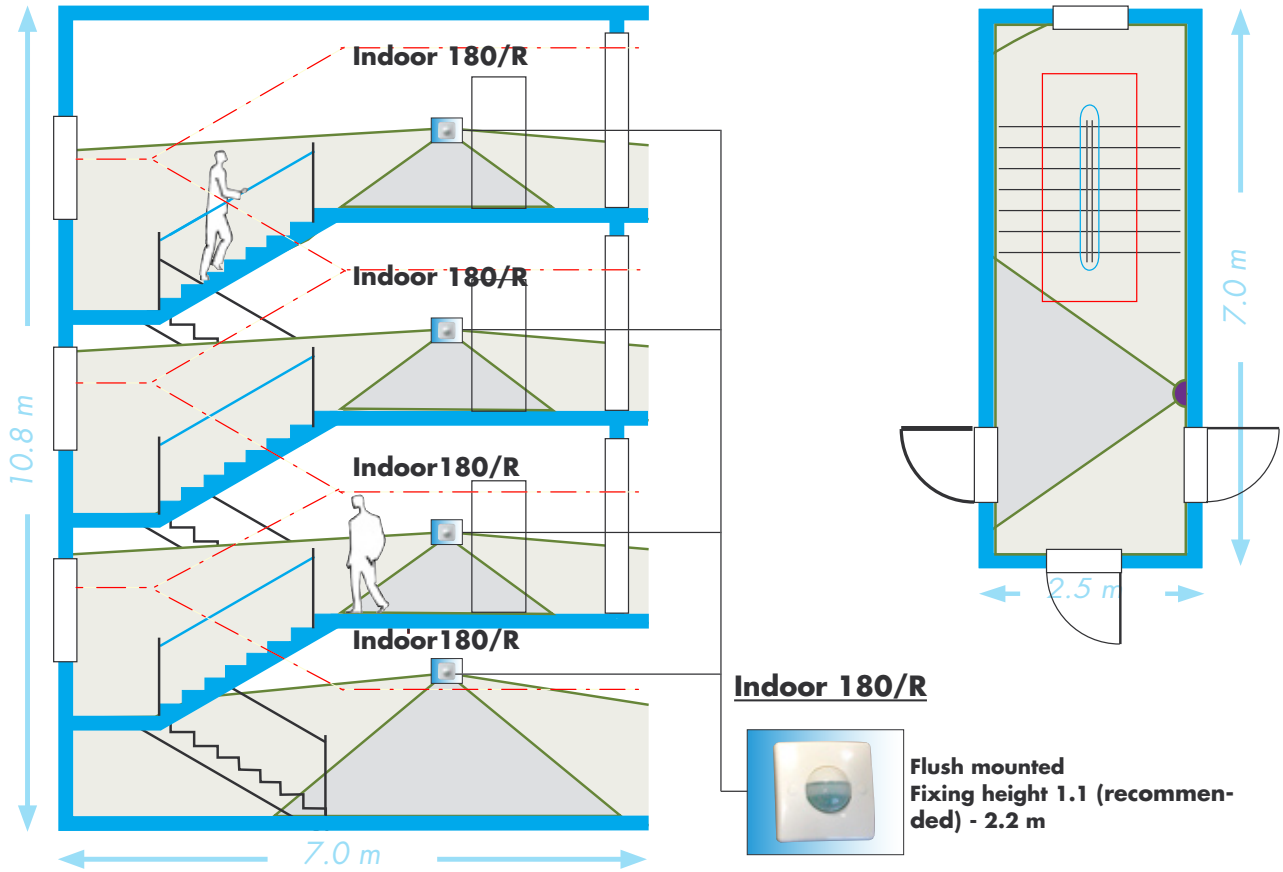
PD2 Master device settings:
Switch-off delay time R1: 5 min
Brightness switching value R1: 300 Lux
Switch-off delay time R2: optional

Connected circuit:
Master/slave switching with optional push button operation on the residential floors. The master unit must always be mounted at the point with the least proportion of daylight. Master operation with optional push-button control at the basement level.

Alternatives:
Typical example no. 5: Stairwell with PD3 presence detector
Typical example no. 7: With Indoor 180/R presence detector using 3-conductor engineering
Typical example no. 8: With Indoor180/SC occupancy detectors using 2-conductor impulse engineering
Typical example no. 9, : Stairwell with RC-plus

Stairwell example

*Nr. 7: with **LUXOMAT®** Indoor180/R with 3-conductor engineering*



*Typical example 7: Stairwell with **LUXOMAT®** Indoor180/R with 3-conductor engineering*

Application description:
The lighting in the stairwell of a multi-family dwelling is to be automatically controlled with occupancy detectors, floor by floor. The occupancy detectors are to be formed as wall switches.

Building information:
Type: Stairwell with 3 residential floors and a basement level without daylight.
Dimensions: L 7.0 x W 2.5 m
Floor height: 2.70 m (headroom)

Illumination:
4 separate lighting groups

Products shown:
4 each Indoor 180/R

Device settings:
Switch-off delay time: 5 min
Brightness switching value: Day/Night ("Sun" symbol)

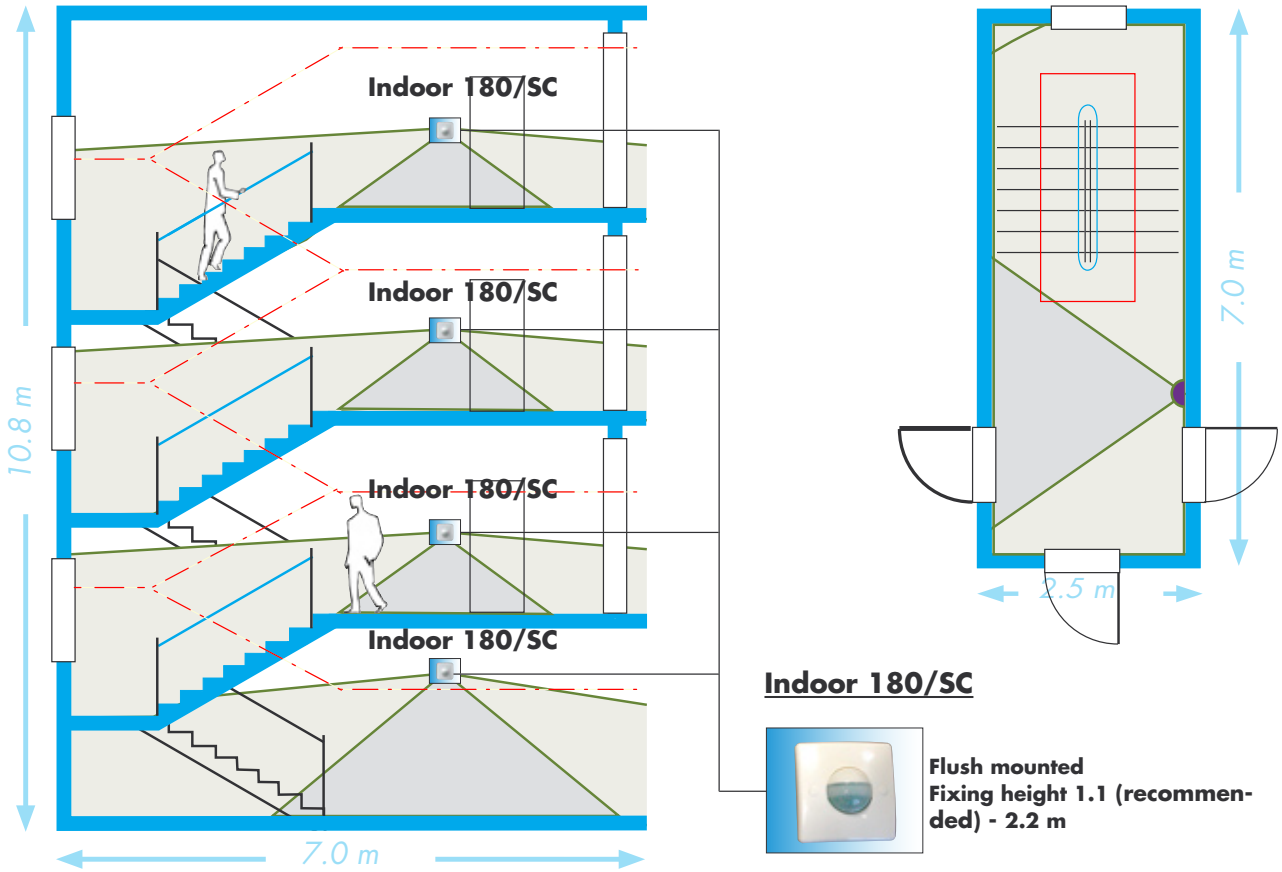
Connected circuit:
Standard operation (floor by floor, optional push-button operation with opener button)

Alternatives:
Typical example no. 5: Stairwell with PD3 presence detector
Typical example no. 6: Stairwell with PD2 occupancy detectors
Typical example no. 8: Stairwell with Indoor180/SC occupancy detectors using 2-conductor impulse engineering
Typical example no. 9, : Stairwell with RC-plus

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Stairwell example

Nr. 8: with LUXOMAT® Indoor180/SC using 2-conductor engineering with direct triggering of the stairwell lighting timer



Typical example 8: With LUXOMAT® Indoor180/SC using 2-conductor engineering with direct triggering of the stairwell lighting timer

Application description:
The lighting in the stairwell of a multi-family dwelling is to be automatically controlled with occupancy detectors, floor by floor. The occupancy detectors are to be formed as wall switches.

Building information:
Type: Stairwell with 3 residential floors and a basement level without daylight.
Dimensions: L 7.0 x W 2.5 m
Floor height: 2.70 m (headroom)

Illumination:
1lighting group with staircase switch

Products shown:
4 each Indoor180-SC

Device settings:
Switch-off delay time: as close as possible to the stairwell lighting-timer switch-off delay time
Brightness switching value: Day/Night ("Sun" symbol)

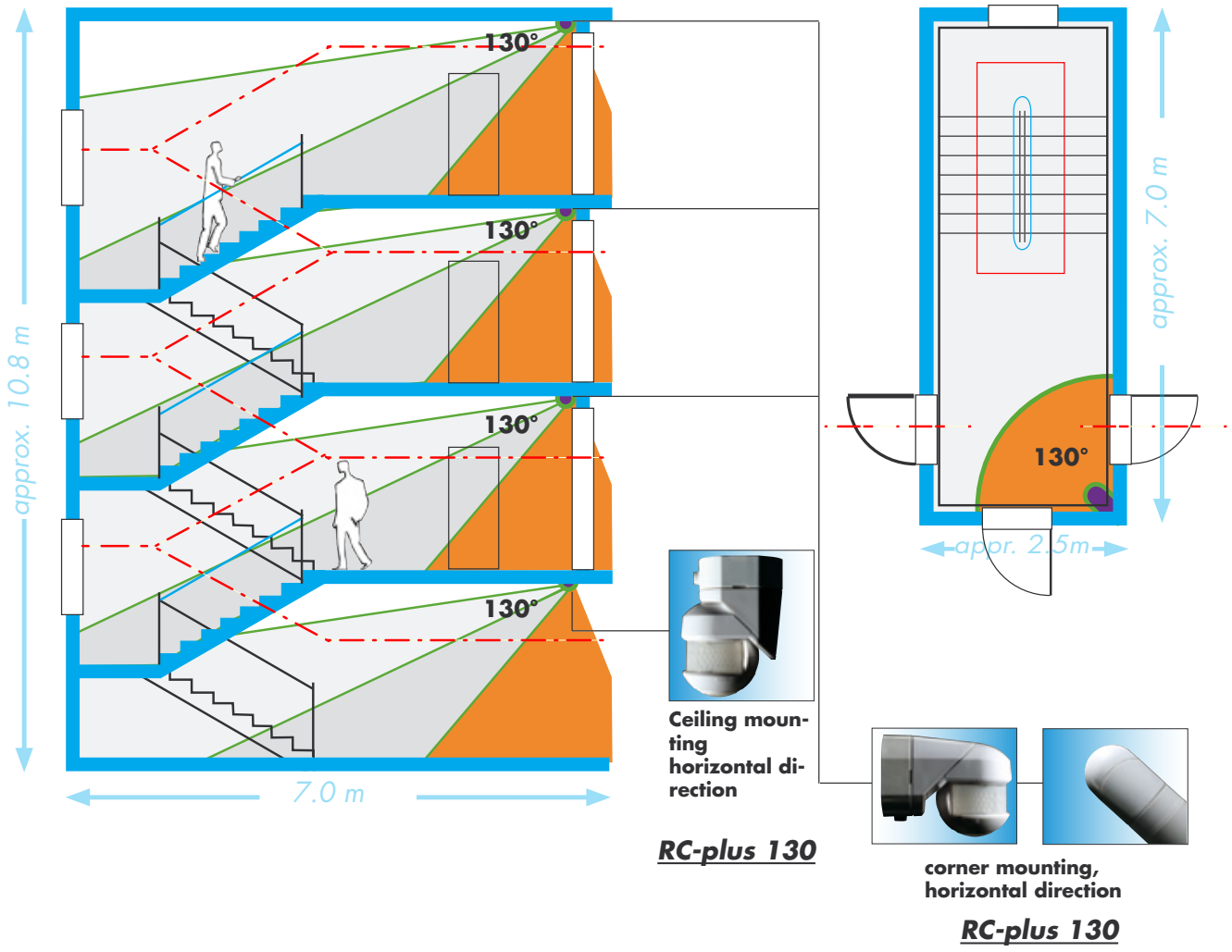
Connected circuit:
Parallel operation

Alternatives:
Typical example no. 5: Stairwell with PD3 presence detector
Typical example no. 6: Stairwell with PD2 occupancy detectors
Typical example no. 7: Stairwell with Indoor180/R occupancy detectors using 3-conductor engineering
Typical example no. 9, : Stairwell with RC-plus

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Stairwell example

Nr. 9: with LUXOMAT® RC-plus



Typical example 19: Stairwell with LUXOMAT® RC-plus

Application description:
In the stairwell of a multi-family dwelling, the lighting is (residential floors/basement level) to be automatically controlled with motion detectors. The motion detectors are to be mounted on the ceiling.

Building information:
Type: Stairwell with 3 residential floors and a basement floor without daylight.
Dimensions: L 7.0 x W 2.5 m
Floor height: 2.70 m (headroom)

Illumination:
4 Lighting separate groups

Products shown:
4 each RC-plus 130

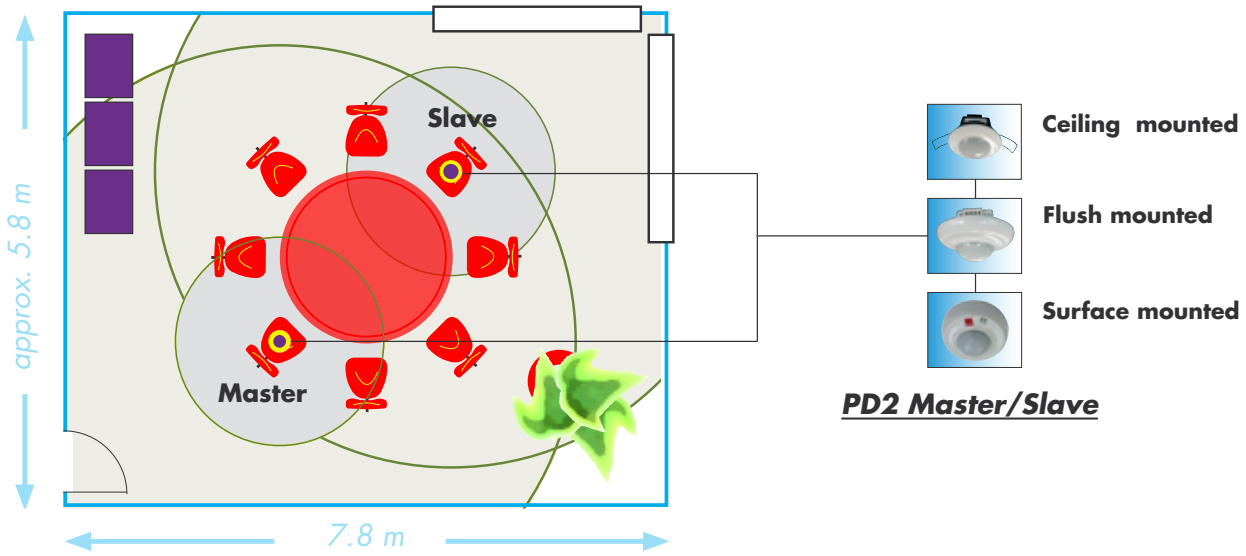
RC-plus device settings:
Switch-off delay time R1: 4 min
Brightness switching value R1: day/night (symbol sun)

Connected circuit:
Standard operation in each floor, optional control by a push button, NC)

Alternatives:
Typical examples no. 5, no.6, no. 7, no. 8,

Conference room example

Nr. 10: Conference room A with **LUXOMAT®** PD2



Typical example 10: Conference room A with **LUXOMAT®** PD2

Application description:
In a conference room, the lighting is to be controlled dependent on presence and daylight. Despite the automatic control, it should be possible to influence the current switching status via a button or remote control. The occupancy detectors are to be mounted on the ceiling.

Building information:
Type: Conference room with daylight.
Dimensions: L 7.8 x W 5.8 m
Floor height: 2.70 m (headroom)

Illumination:
1 light group with electronic ballast

Products shown:
1 each PD2 SLAVE
1 each PD2 MASTER

Device settings:
Switch-off delay time R1: at least 5 min
Brightness switching value R1 300 Lux
Switch-off delay time R2: optional

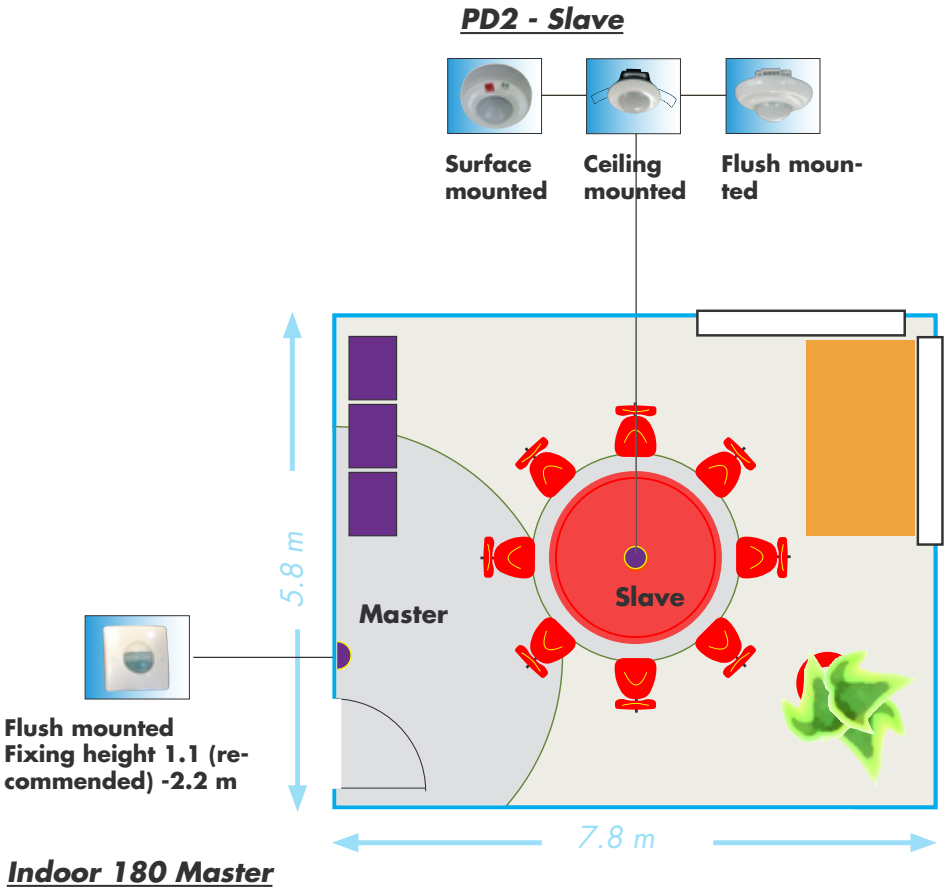
Connected circuit:
Master/slave switching with optional push button operation. The master unit must always be mounted at the point with the least proportion of daylight.

Alternatives:
Typical example no. 11,12: Conference room B,C

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Conference room example

Nr. 11: Conference room B with **LUXOMAT®** Indoor180



Typical example 11: Conference room B with **LUXOMAT®** Indoor180

Application description:
In a conference room, the lighting is to be controlled dependent on presence and daylight. Despite the automatic control, it should be possible to manually influence the current switching status via a button or remote control. The presence detector is to be mounted on the ceiling or the wall.

Building information:
Type: Conference room with daylight.
Dimensions: L 7.8 x W 5.8 m
Floor height: 2.70 m (headroom)

Illumination:
1 lighting group with electronic ballast

Products shown:
1 each PD2 SLAVE
1 each Indoor 180 MASTER

Indoor180 Master device settings:
Switch-off delay time R1: at least 5 min
Brightness switching value R1 300 Lux
Switch-off delay time R2: optional

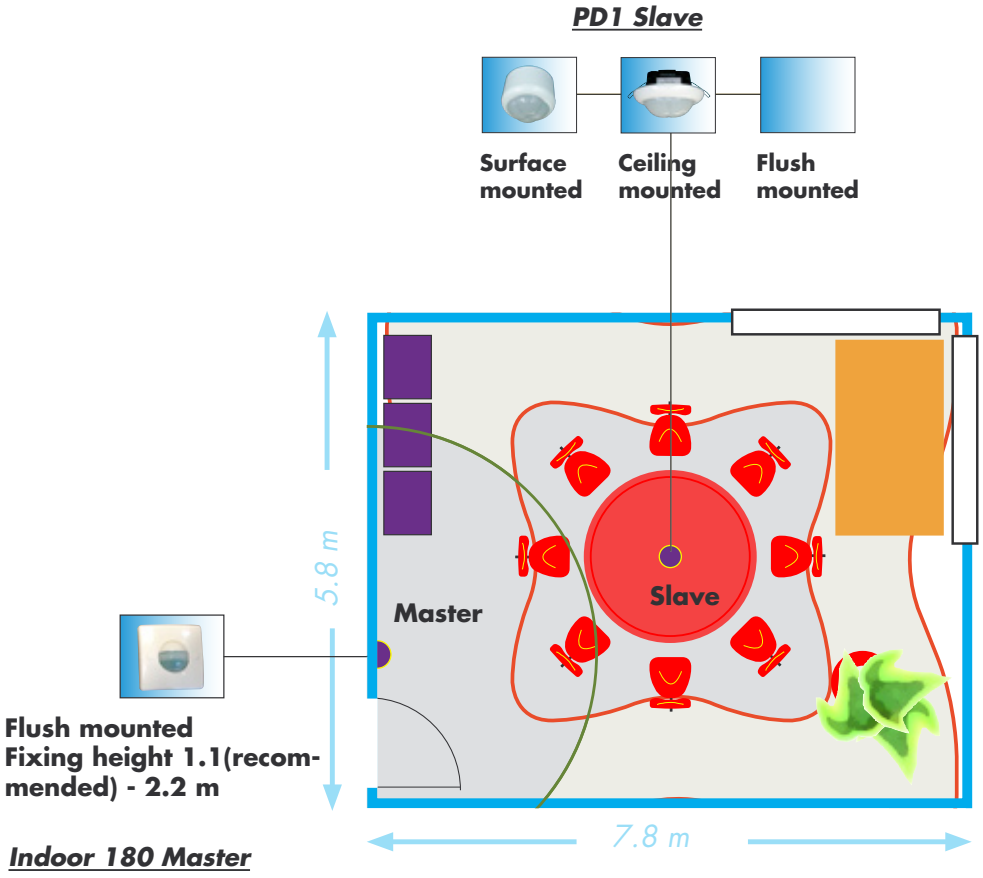
Connected circuit:
Master/slave switching with optional push button operation. The master unit must always be mounted at the point that has the least amount of daylight.

Alternatives:
Typical example no. 10,12: Conference room A,C

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Conference room example

Nr. 12: with **LUXOMAT®** *PD1 and Indoor180*



Typical example 12: Conference room C with **LUXOMAT®** *PD1 and Indoor180*

Application description:
In a conference room, the lighting is to be controlled dependent on presence and daylight. Despite the automatic control, it should be possible to manually influence the current switching status via a button or remote control. The presence detector is to be mounted on the ceiling andon the the wall.

Building information:
Type: Conference room with daylight.
Dimensions: L 7.8 x W 5.8 m
Floor height: 2.70 m (headroom)

Illumination:
1 lighting group with electronic ballast

Products shown:
1 each PD1 SLAVE
1 each Indoor180 MASTER

Indoor180 Master device settings:
Switch-off delay time R1: at least 5 min
Brightness switching value R1 300 Lux
Switch-off delay time R2: optional

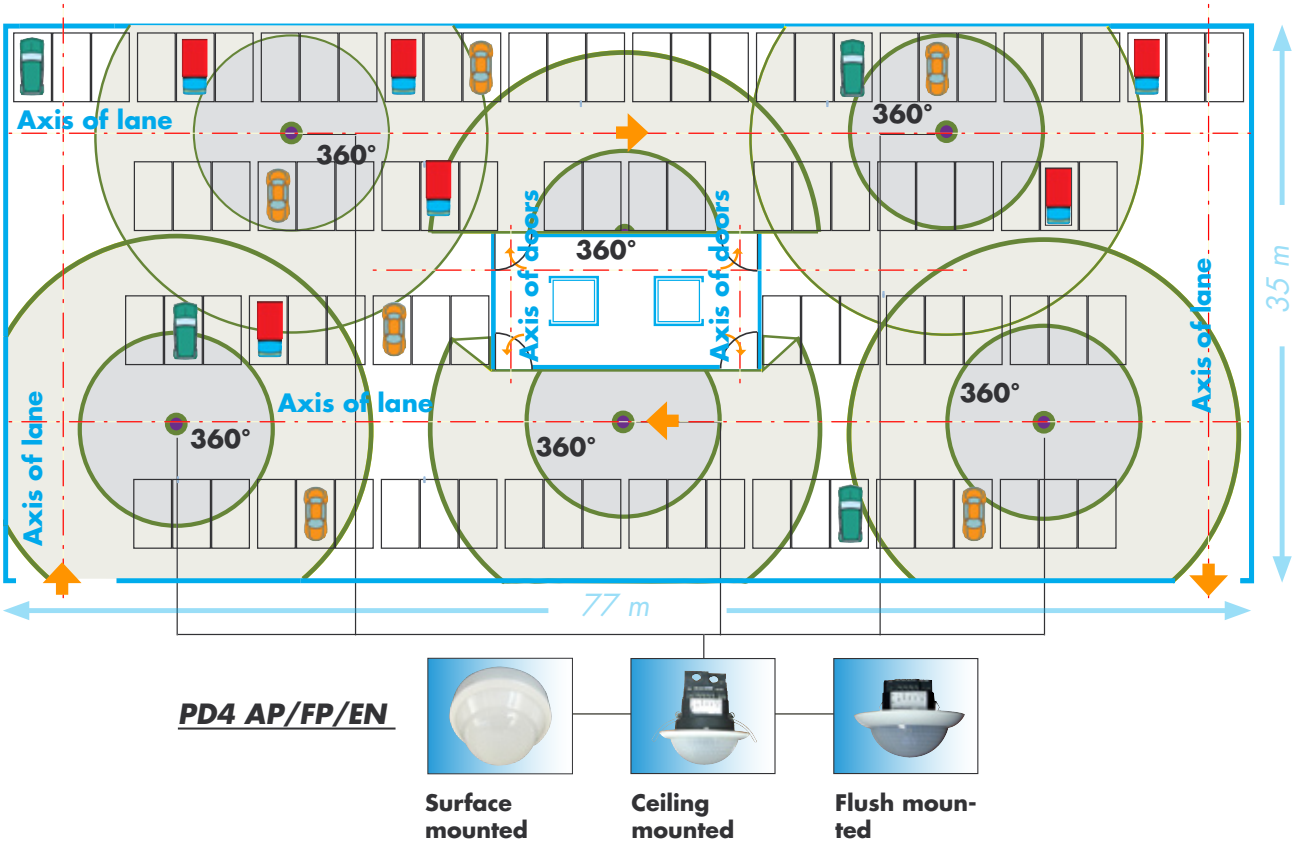
Connected circuit:
Master/slave switching with optional push button operation. The master unit must always be mounted at the point that has the least amount of daylight.

Alternatives:
Typical example no. 10,11:
Conference room A/B

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Underground car park example

Nr. 13: with LUXOMAT® PD4



PD4 AP/FP/EN

Surface mounted | **Ceiling mounted** | **Flush mounted**

Typical example 13: Underground car park with LUXOMAT® PD4

■ ***Application description:***
In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few occupancy detectors as possible. Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides).
The occupancy detectors are to be mounted exclusively on the ceiling.

■ ***Object description:***
Type: Underground car park without daylight.
Dimensions: L 77 x W 35 m
Room height: 3 m

■ ***Illumination:***
2 separate lighting groups with electronic ballasts
Variation A) directly switched by the presence detector
Variation B) switched via external timer

■ ***Products shown:***
6 each PD4

■ ***Device settings:***
Variation A) switch-off delay time: 8 min, brightness switching value: Day/Night ("Sun" symbol)
Variation B) switch-off delay time: Impulse, brightness switching value: Day/Night ("Sun" symbol)

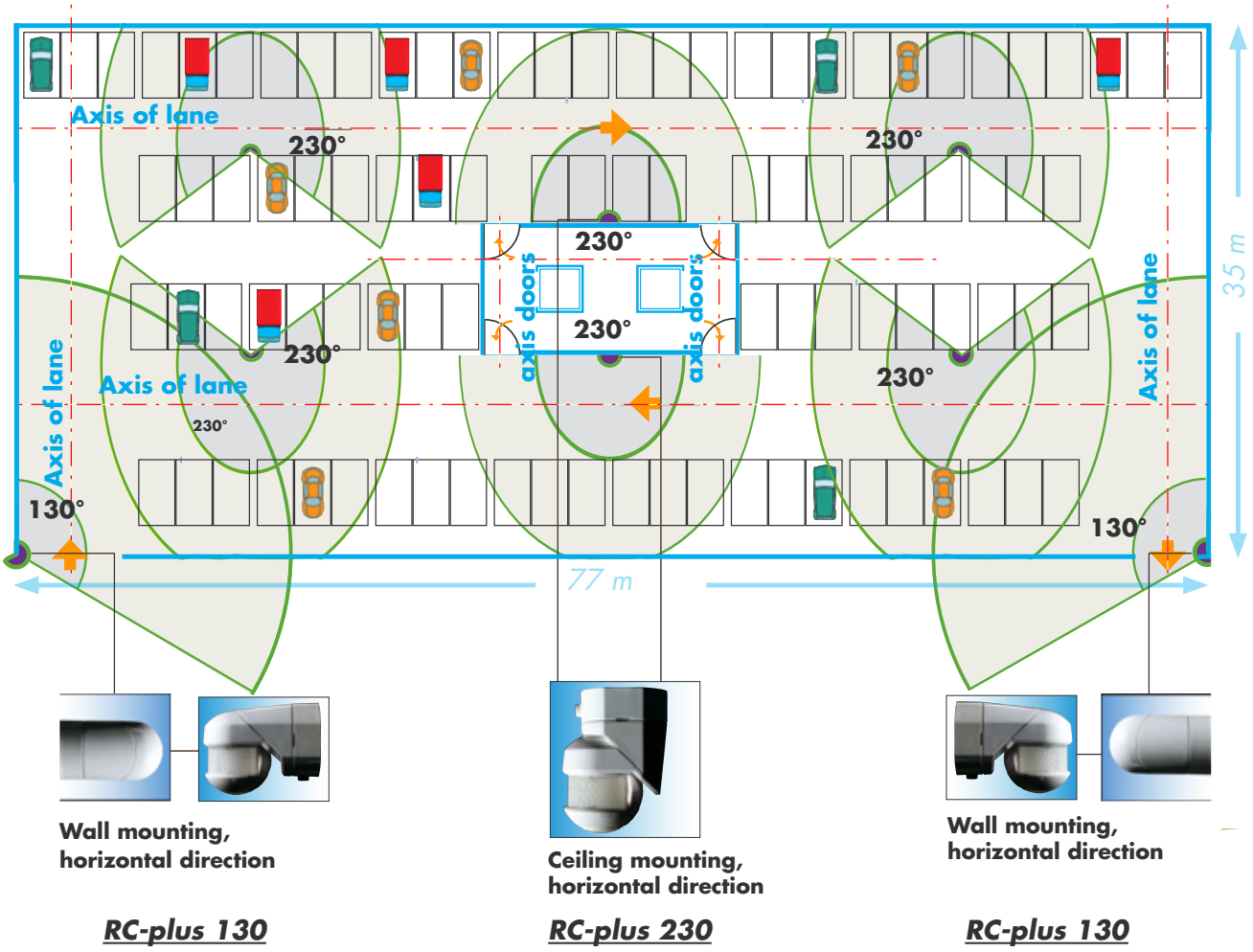
■ ***Connected circuit:***
Parallel circuit per lighting group

■ ***Please note:*** *Please ensure that the presence detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.*

■ ***Please note:*** *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Underground car park example

Nr. 14: with LUXOMAT® RC-plus



Wall mounting, horizontal direction

RC-plus 130

Ceiling mounting, horizontal direction

RC-plus 230

Wall mounting, horizontal direction

RC-plus 130

Typical example 14: Underground car park with LUXOMAT® RC-plus

Application description:
In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few occupancy detectors as possible. Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides).
The occupancy detectors are to be mounted exclusively on the ceiling.

Object description:
Type: Underground car park without daylight.
Dimensions: L 77 x W 35 m
Room height: 3 m

Illumination:
2 separate lighting groups with electronic ballasts
Variation A) directly switched by the presence detector
Variation B) switched via external timer

Products shown:
6 each RC-plus230 + 2 each RC-plus130

Device settings:
Variation A) switch-off delay time: 8 min, brightness switching value: Day/Night ("Sun" symbol)
Variation B) switch-off delay time: Impulse, brightness switching value: Day/Night ("Sun" symbol)

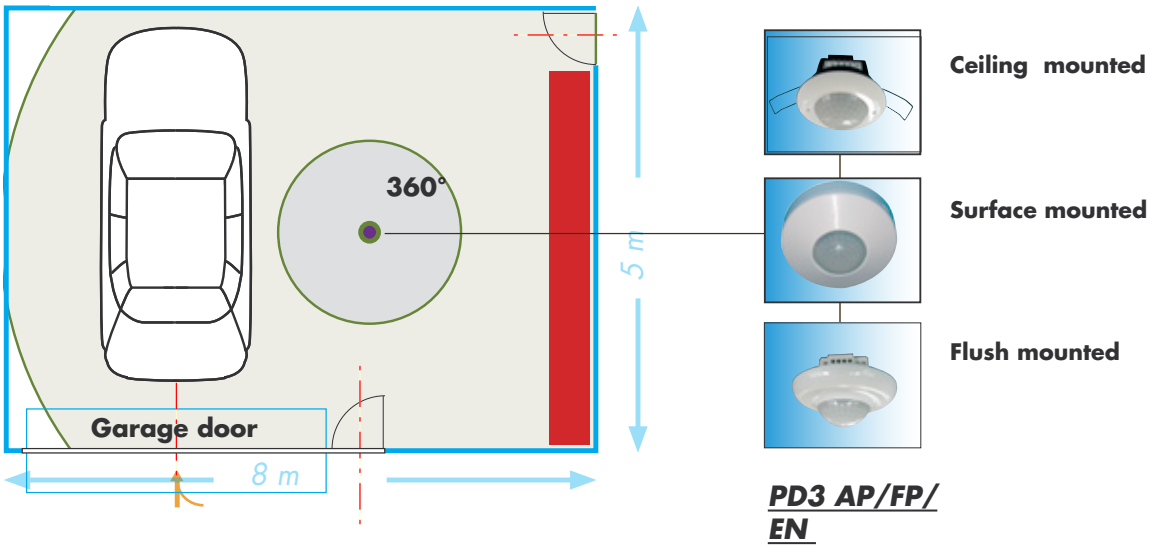
Connected circuit:
Parallel circuit per lighting group

Please note: *Please ensure that the presence detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.*

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Private garage example

Nr. 15: with* LUXOMAT® *PD3



Typical example 15: Private garage with LUXOMAT® *PD3*

Application description:
In a private garage, the lighting is to be controlled automatically with occupancy detectors. The presence detectors are to be mounted on the ceiling.

Building information:
Type: Private garage without daylight.
Dimensions: L 58 x W 8 m
Room height: 2.1 m

Illumination:
1 lighting group with electronic ballast

Products shown:
1 each PD3 AP/FP/EN

Device settings:
Switch-off delay time: 4 min
Brightness switching value:
Day/Night ("Sun" symbol)

Connected circuit:
Standard operation

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Individual office example

Nr. 16: with* LUXOMAT® *PD2

Typical example 16: Individual office with LUXOMAT® *PD2*

Application description:
In an individual office, the lighting is to be controlled dependent on presence and daylight. Even with the automatic control, it should be possible to manually influence the current switching status via a button or remote control. The occupancy detectors are to be mounted on the ceiling.

Object description:
Type: Individual office with daylight
Dimensions: 4 x 5 m

Illumination:
1 lighting group with electronic ballast

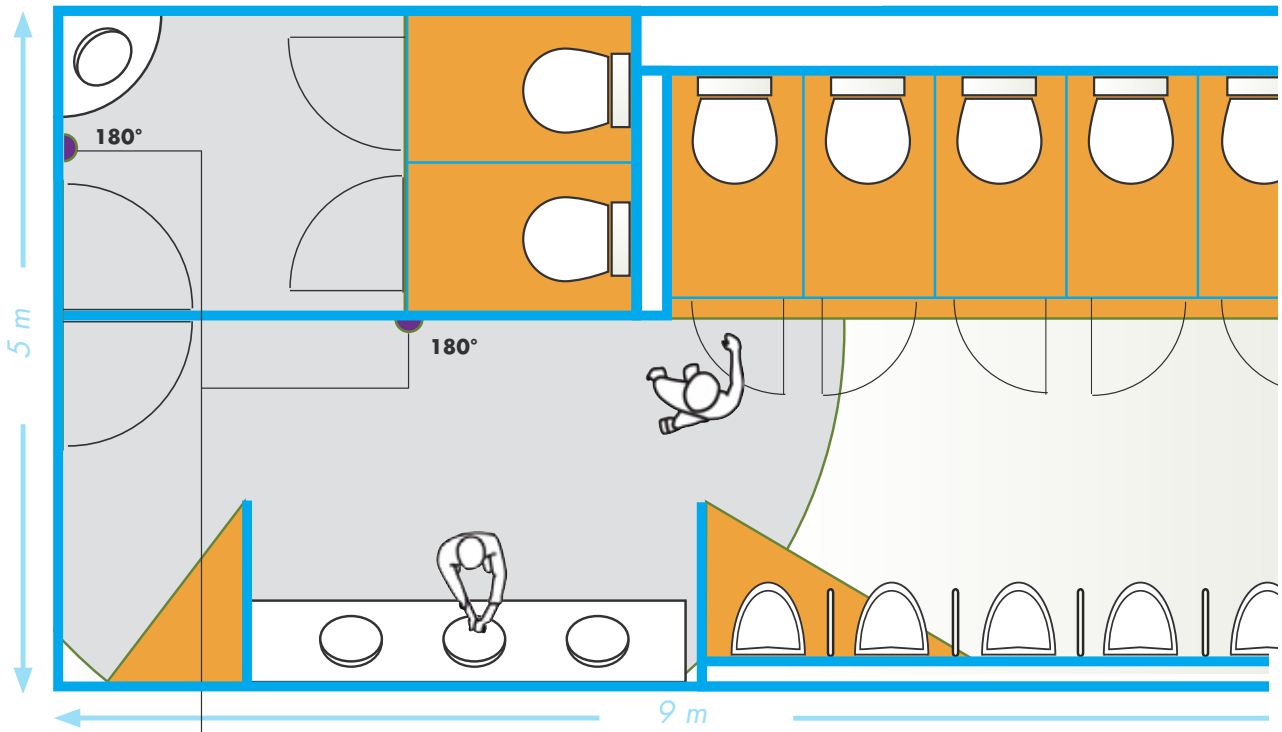
Products shown:
1 each PD2 MASTER

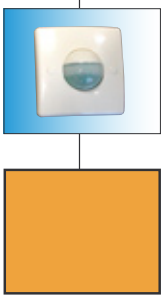
Device settings:
Switch-off delay time R1: 10 min
Brightness switching value R1: 300 lux or individual using remote control
Switch-off delay time R2: optional

Connected circuit:
Master operation with optional button operated control

Wash room example

Nr. 17: with LUXOMAT® Indoor180/R





Flush mounted
Fixing height 1.1(recommended) - 2.2 m

Indoor180/R

Blind areas reachable through noise sensitivity

Typical example 17: Wash rooms with LUXOMAT® Indoor180/R

Application description:
Wash rooms with enclosed WC booths, wall installation of the presence/sound detector.
Combined presence/sound sensors are used with which even blind spots, such as toilet booths, can be monitored dependent on noises.

Note:
The noise sensitivity should be pointed out to the toilet guests, e.g. using a poster inside the booths.

Object description:
Type: public toilet without daylight.
Room height: 2.70 m

Illumination:
1 lighting group with electronic ballast per room

Products shown:
2 each WS 180/R presence/sound detectors

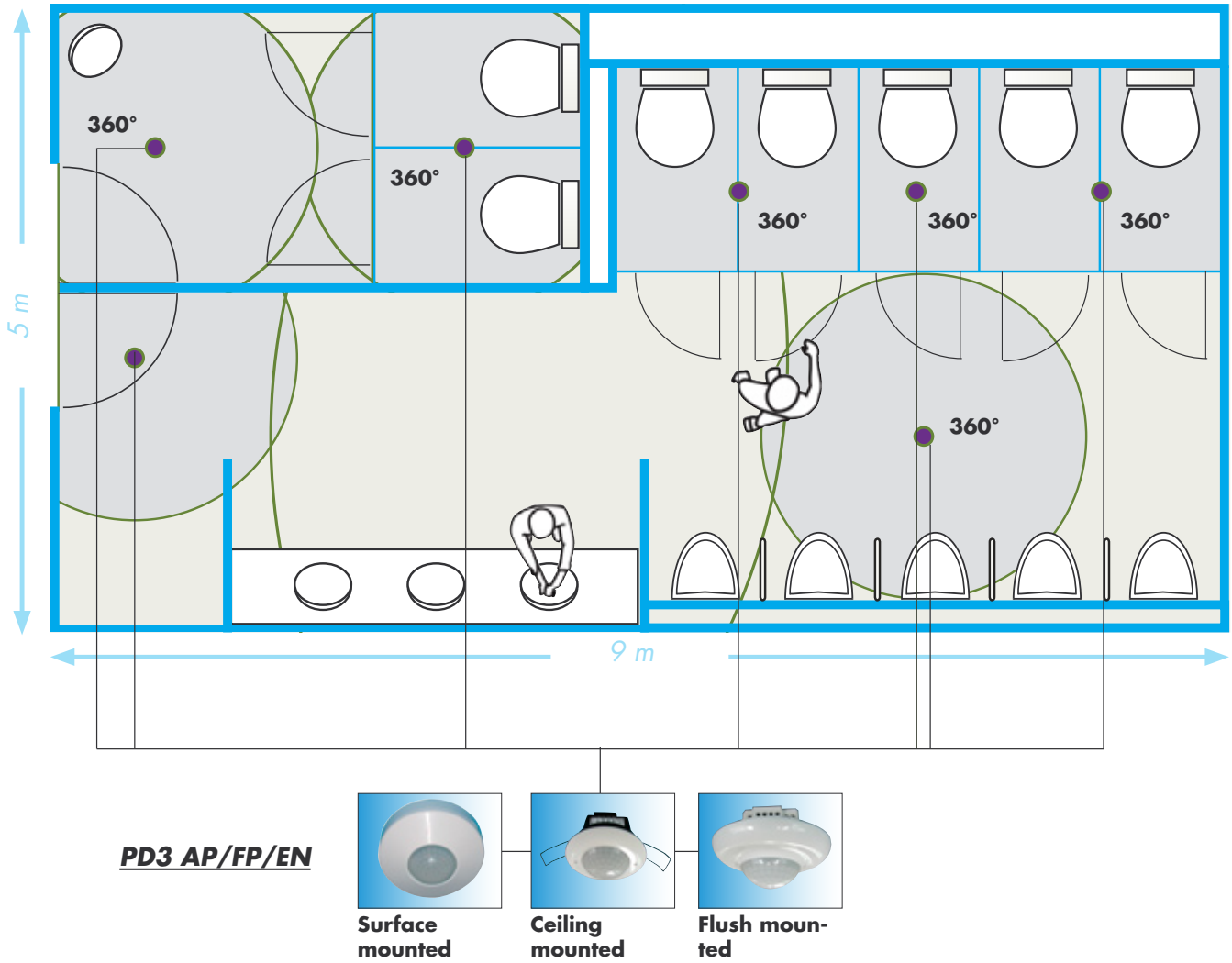
Device settings:
Switch-off delay time: 10 min.
Brightness: Day/Night ("Sun" symbol)
Noise sensitivity: The optimum sensitivity is to be determined through tests

Connected circuit:
Standard operation with noise sensitivity

Alternatives:
Typical example 17: Wash room with PD3 occupancy detectors

Wash room example

Nr. 18: with LUXOMAT® PD3



PD3 AP/FP/EN

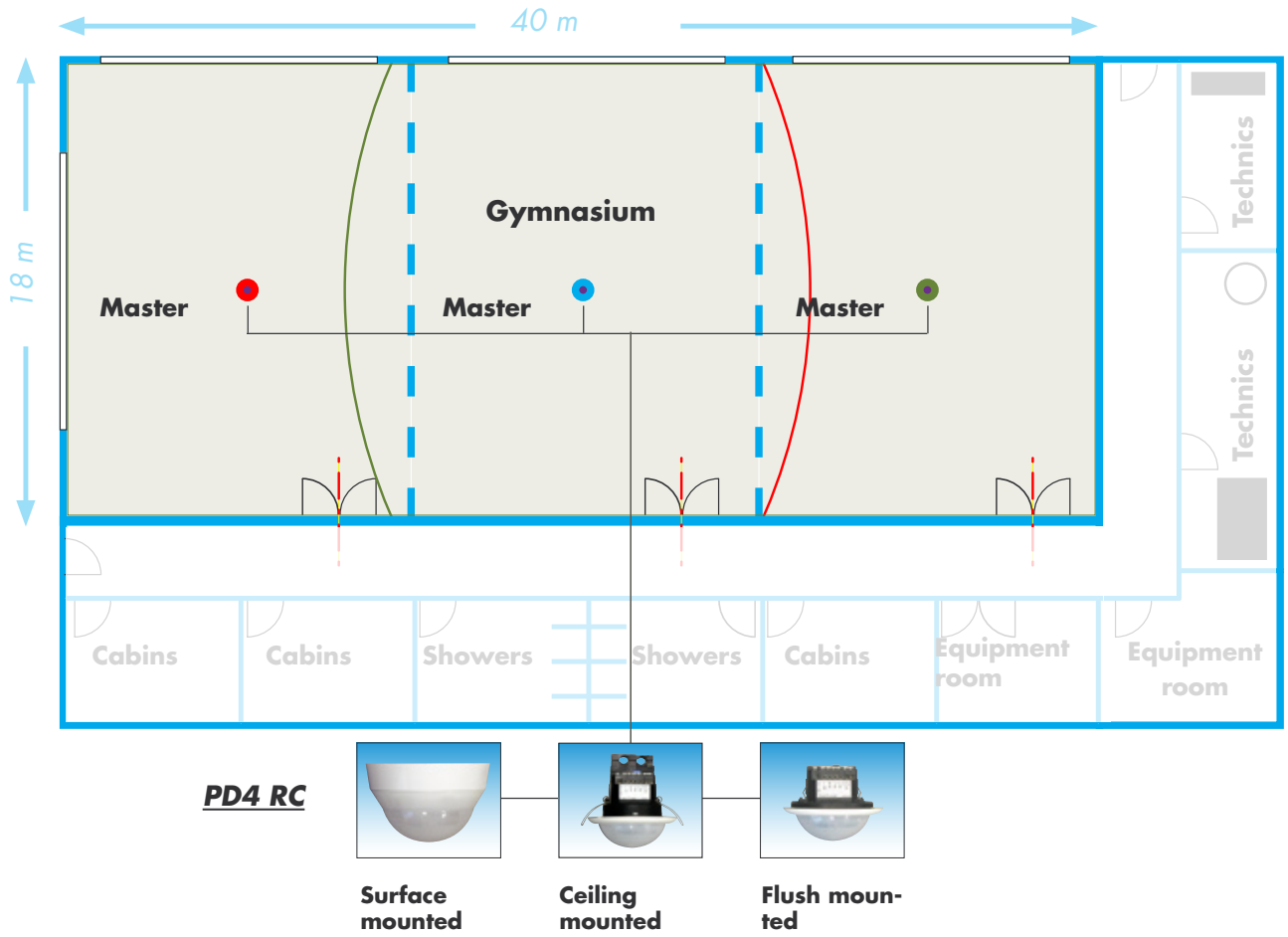
Surface mounted | **Ceiling mounted** | **Flush mounted**

Typical example 18: Wash rooms with LUXOMAT® PD3

- ***Application description:***
  Wash rooms with closed WC booths.
  Ceiling installation of the presence detector.
- ***Object description:***
  Type: Public toilet without daylight.
  Room height: 2.70 m
- ***Illumination:***
  1 lighting group with electronic ballast per room
- ***Products shown:***
  6 each PD3 AP/FP/EN
- ***Device settings:***
  Switch-off delay time: 10 min.
  Brightness: Day/Night ("Sun" symbol)
- ***Connected circuit:***
  Parallel operation per room
- ***Alternatives:***
  Typical example 17
- ***Please note:*** *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Gymnasium example

Nr. 19: Gymnasium with **LUXOMAT®** *PD4-Master*



Typical example 19: Gymnasium with **LUXOMAT®** *PD4-Master*

Application description:
Automatic lighting control with occupancy detectors is to be implemented in a triple gymnasium. One lighting group per hall area is to be formed and switched individually.
Even with the automatic control, it should be possible to manually influence the current switching status via both a button and using a remote control.

Building information:
Type: Gymnasium with daylight
Dimensions: L 40 x W 18 m
Room height: 8 -10 m (headroom)

Illumination:
1 lighting group with electronic ballast per hall section

Products shown:
3 each PD4-RC MASTER

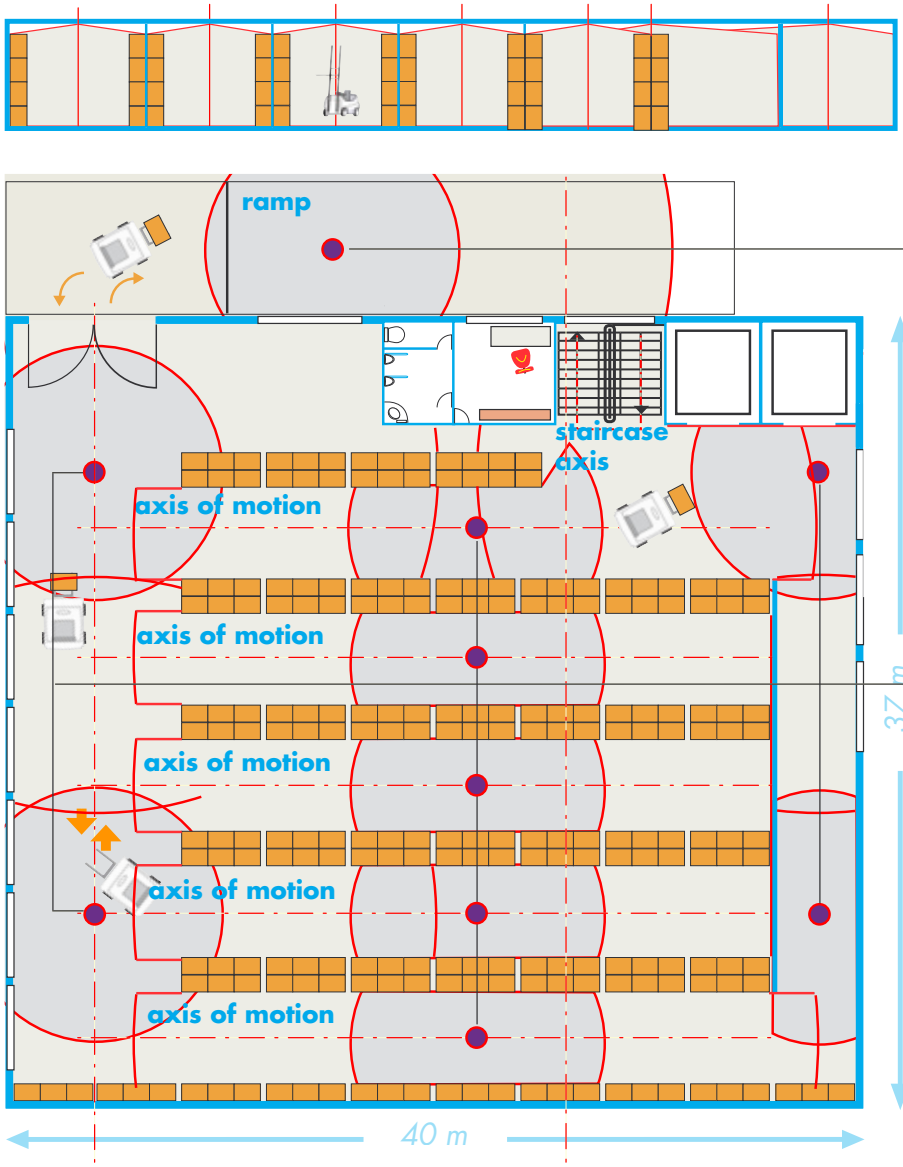
Device settings:
Switch-off delay time R1: >5 min
Brightness switching value: 500 lux or individual using remote control
Switch-off delay time R2: optional

Connected circuit:
Master operation for all 3 lighting groups;
Master/slave operation is likewise possible.
The master unit must always be mounted at the point with the least proportion of daylight.

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Pallet storage warehouse example

Nr. 20: with LUXOMAT® PD4



Typical example 20: Pallet storage warehouse with LUXOMAT® PD4

Application description:
In a warehouse, the various sectors are to be monitored using occupancy detectors and the lighting automatically switched. The warehouse is divided into the following sectors: 5-corridors, start-of corridor zone, end-of-corridor zone, warehouse entrance, elevator sector, ramps. Each sub-section is to be individually monitored and switched. The occupancy detectors are to be mounted on the ceiling.

Building information:
Type: High-bay warehouse with daylight
Dimensions: L 40 x W 37 m
Room height: 4.2 m

Illumination:
10 lighting groups with electronic ballast

Products shown:
10 each PD4 AP/UP/DE

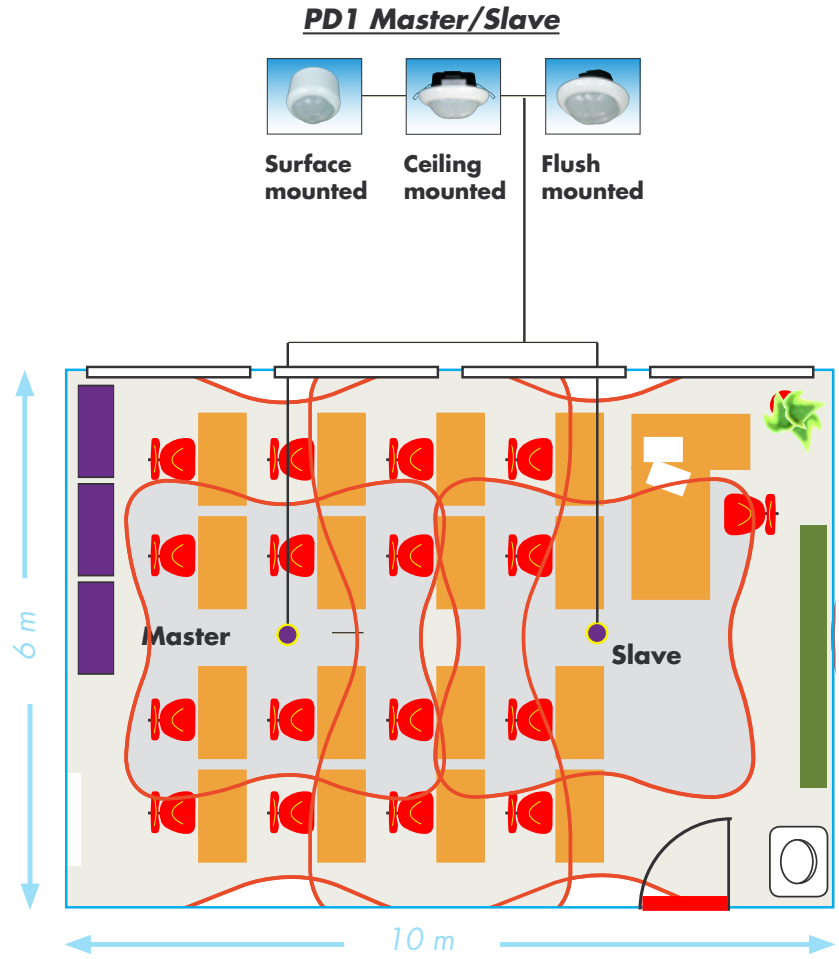
Device settings:
Switch-off delay time R1: >5 min
Brightness switching value: 500 lux or individual using remote control
Switch-off delay time R2: optional

Connected circuit:
Master operation for all 3 lighting groups

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Class room example

Nr. 21: with LUXOMAT® PD1



Typical example 21: Class room with LUXOMAT® PD1

Application description:
In a classroom, the lighting is to be separately controlled dependent on presence and daylight. Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control. The presence detector is to be mounted on the wall.

Building information:
Type: Classroom with daylight.
Dimensions: L 10 x W 6 m
Room height: 2.70 m (headroom)

Illumination:
1 lighting group with electronic ballast

Products shown:
1 each PD1 SLAVE
1 each PD1 MASTER

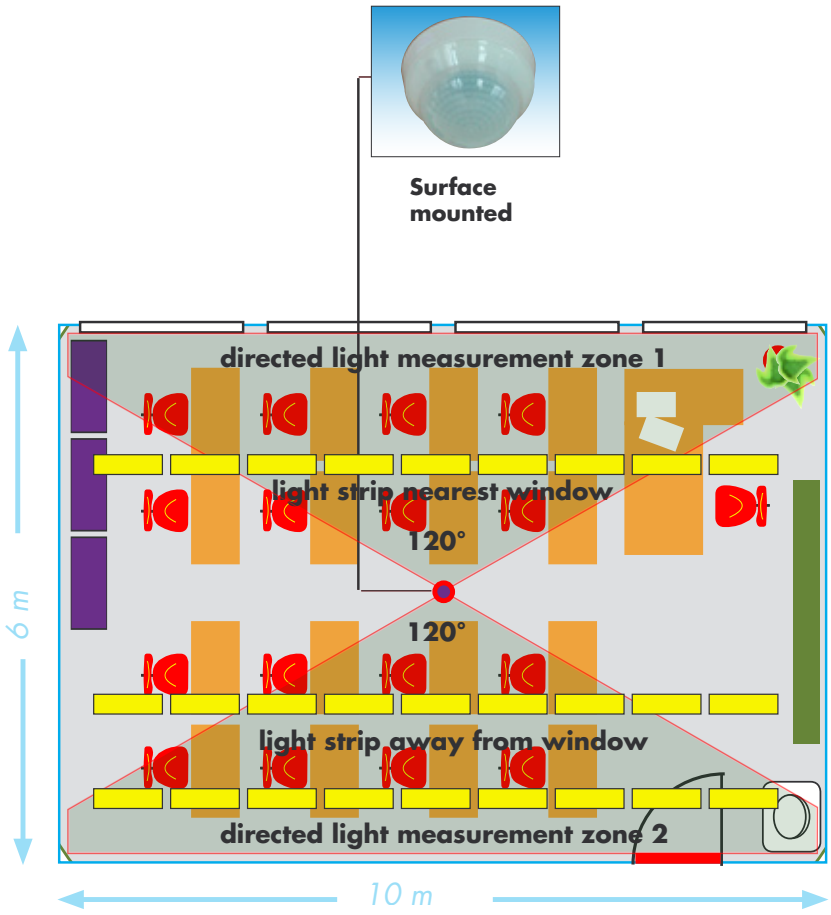
Device settings PD1 Master:
Switch-off delay time R1: min. 5 min
Brightness switching value R1 300 lux
Switch-off delay time R2: optional

Connected circuit:
Master/slave switching with optional push button operation. The master unit must always be mounted at the point with the least proportion of daylight.

Class room example

Nr. 22: with LUXOMAT® PD4-DUO or PD4-DUO DIM

PD4-DUO /PD4-DUO DIM



Typical example 22: with LUXOMAT® PD4-DUO or PD4-DUO DIM

Application description:
In a classroom, the lighting is to be separately controlled dependent on presence and daylight in a perimeter near windows and a light perimeter away from the windows. Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control. The presence detector is to be mounted on the ceiling.

Building information:
Type: Classroom with daylight.
Dimensions: L 10 x W 6 m
Room height: 2.70 m (headroom)

Illumination:
2 lighting groups with electronic ballast

Products shown:
1 each PD4 DUO or
1 each PD4 DUO DIM

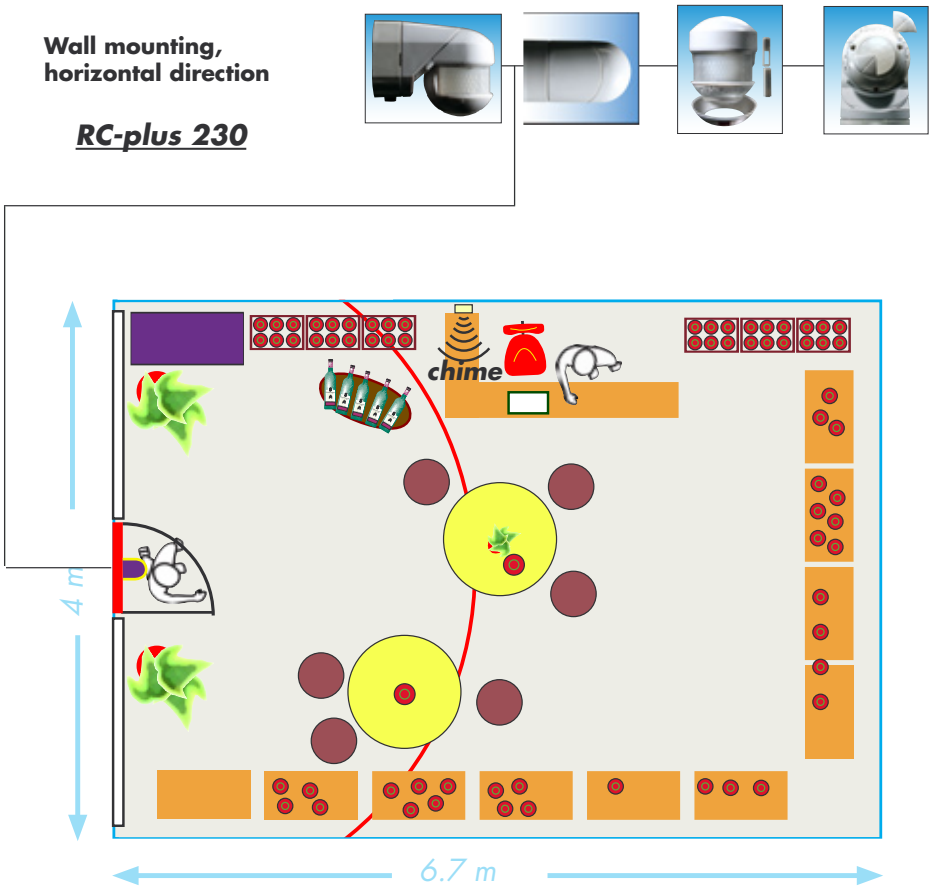
Device settings:
Switch-off delay time R1: >5 min
Brightness switching value R1 300 lux or individual using remote control
Switch-off delay time R2: optional

Connected circuit:
Standard operation.

Please note: *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

Boutique example

Nr. 23: with **LUXOMAT®** *RC-plus 230*

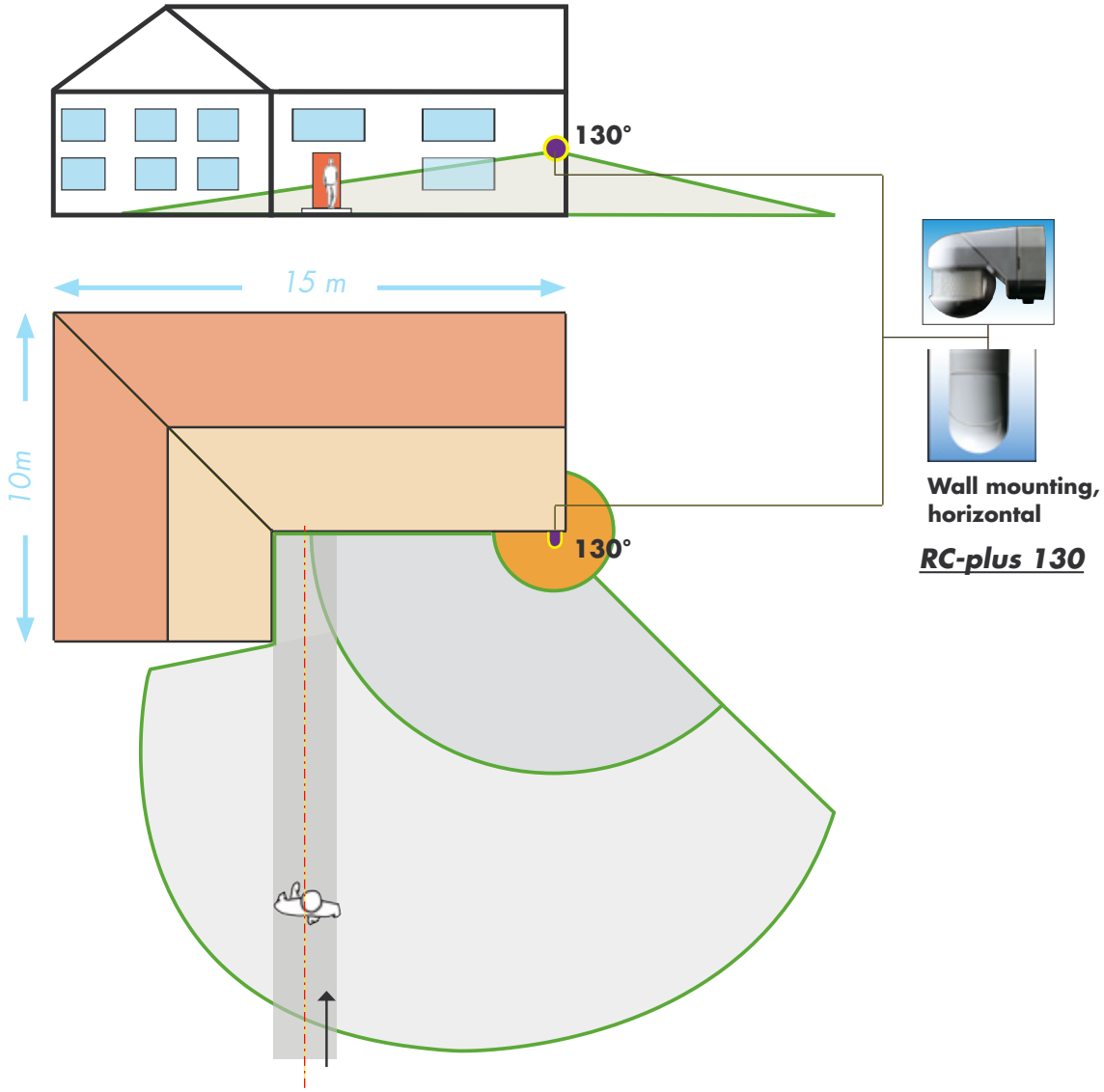


Typical example 23: Boutique with **LUXOMAT®** *RC-plus 230*

- ***Application description:***
  In a shop the customer presence has to be indicated by a chime. The motiondetector must be fixed above the entrance door
- ***Object description:***
  Type: Shop with daylight.
  Room height: 2.70 m
- ***Illumination:***
  In this case the chime only will be activated , no light
- ***Products shown:***
  1 each RC-plus 230
- ***Device settings:***
  Impulse mode
  Brightness: Day/Night ("Sun" symbol)
- ***Connected circuit:***
  Chime
- ***Please note:*** *We would be glad to help you in your product selection and positioning. Simply send us your layouts via fax or email, and we will provide you with a suggested plan – at no charge, of course.*

House entrance example

Nr. 24: with* LUXOMAT® *RC-plus



Typical example 24: House entrance, people coming in from the side

- ***Application description:***
House entrance, wall mounting of the LUXOMAT®.
The persons approach always on the small access way and must be detected as early as possible.

- ***Object description:***
Type: House entrance with daylight
Mounting height : 2.5-3m

- ***Illumination:***
One light group

- ***Products shown:***
1 each RC-plus 130

- ***Device settings***
Switch-off delay time : 4 min
Brightness: dusk in progress (symbol "moon", dark)

- ***Connected circuit:***
standard operation

- ***Attention*** *must be paid to the mounting of the motion detector. The mounting must always be lateral to the walking and driving of persons or vehicles. When walking towards the motion detector the range is reduced.*