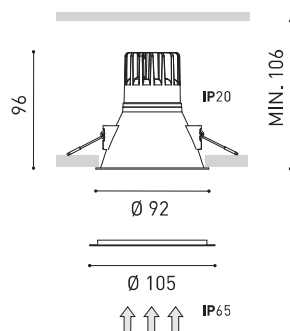




### DIMENSIONS



### ACCESSORIES



ADD-ON BEZEL



FLAT SPRING ACCESSORY

### AWARDS



reddot design award  
winner 2015



GERMAN  
DESIGN  
AWARD  
NOMINEE  
2016

### PRODUCT

|           |                                         |
|-----------|-----------------------------------------|
| Name      | SWAP IP65 L 7W DIM DALI/PUSH 2700K W    |
| Reference | A2123230W65                             |
| Color     | Matt white                              |
| RAL       | Colour in the mass looks alike RAL 9010 |
| Category  | CEILING RECESSED                        |

### LIGHT SOURCE

|                        |                  |
|------------------------|------------------|
| Type                   | LED              |
| Gross luminous flux    | 910 lm           |
| Colour temperature     | 2700 K           |
| Chromatic stability    | MacAdam Step 2   |
| Colour Rendering Index | CRI > 90         |
| Power                  | 7 W              |
| Current                | 200 mA           |
| Efficacy               | 130 lm/W         |
| LED lifespan           | L90B10 > 55.000h |

### LIGHTING FIXTURE | PHOTOMETRIC DATA

|                     |     |
|---------------------|-----|
| Lighting efficiency | 81% |
| Light beam angle    | 44° |

### LIGHTING FIXTURE | ELECTRICAL DATA

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Driver                      | Included - Fast Connect                 |
| Power values of the system  | 8,79 W                                  |
| Frequency                   | 50/60 Hz                                |
| Dimming                     | DALI / Push - Other DIM, please consult |
| Electrical insulation class | □                                       |

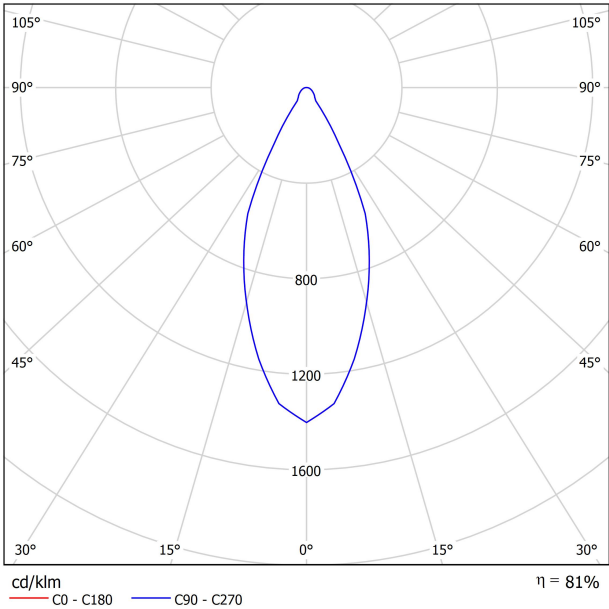
### OTHER DATA

|                        |                           |
|------------------------|---------------------------|
| Sealing                | IP65                      |
| Wireless control       | Please Consult            |
| Emergency power supply | Please Consult            |
| Impact resistance      | IK07                      |
| Recess measurements    | Ø85 mm                    |
| Weight                 | 245 g                     |
| Packaged weight        | 292,5 g                   |
| Packaging dimensions   | 147 x 132 x 134 mm        |
| Units per package      | 1                         |
| Materials              | Aluminium / Polycarbonate |

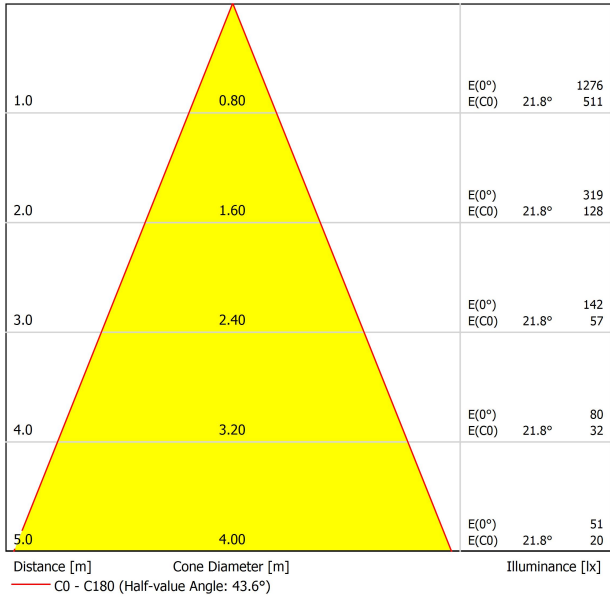


Swap is a ceiling recessed LED spotlight whose main features are its minimalist aspect, its perfect integration into the ceiling, and considerable visual comfort, thanks to the small reflector that is set back with respect to the ceiling plane. When it is switched on, its matte finish shade generates an attractive effect, a discrete circle of light. It includes an add-on bezel that can be used optionally to cover larger recess diameters.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

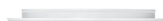
| Glare Evaluation According to UGR                                |     |                                                |      |      |      |      |                                         |      |      |      |      |      |
|------------------------------------------------------------------|-----|------------------------------------------------|------|------|------|------|-----------------------------------------|------|------|------|------|------|
|                                                                  |     | 70                                             | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   | 30   |
| p Ceiling                                                        |     | 50                                             | 30   | 50   | 30   | 30   | 50                                      | 30   | 50   | 30   | 30   | 30   |
| p Walls                                                          |     | 20                                             | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20   |
| p Floor                                                          |     | 20                                             | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20   |
| Room Size X Y                                                    |     | Viewing direction at right angles to lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |      |
| 2H                                                               | 2H  | 15.3                                           | 16.1 | 15.5 | 16.3 | 16.5 | 15.3                                    | 16.1 | 15.5 | 16.3 | 16.5 | 16.5 |
|                                                                  | 3H  | 17.1                                           | 17.8 | 17.4 | 18.0 | 18.3 | 17.1                                    | 17.8 | 17.4 | 18.0 | 18.3 | 18.3 |
|                                                                  | 4H  | 17.9                                           | 18.6 | 18.2 | 18.8 | 19.1 | 17.9                                    | 18.6 | 18.2 | 18.8 | 19.1 | 19.1 |
|                                                                  | 6H  | 18.6                                           | 19.3 | 19.0 | 19.5 | 19.8 | 18.6                                    | 19.3 | 19.0 | 19.5 | 19.8 | 19.8 |
|                                                                  | 8H  | 19.0                                           | 19.6 | 19.3 | 19.9 | 20.2 | 19.0                                    | 19.6 | 19.3 | 19.9 | 20.2 | 20.2 |
| 4H                                                               | 12H | 19.3                                           | 19.8 | 19.6 | 20.2 | 20.5 | 19.3                                    | 19.8 | 19.6 | 20.2 | 20.5 | 20.5 |
|                                                                  | 2H  | 15.9                                           | 16.5 | 16.2 | 16.8 | 17.1 | 15.9                                    | 16.5 | 16.2 | 16.8 | 17.1 | 17.1 |
|                                                                  | 3H  | 17.9                                           | 18.5 | 18.3 | 18.8 | 19.1 | 17.9                                    | 18.5 | 18.3 | 18.8 | 19.1 | 19.1 |
|                                                                  | 4H  | 18.9                                           | 19.4 | 19.3 | 19.7 | 20.1 | 18.9                                    | 19.4 | 19.3 | 19.7 | 20.1 | 20.1 |
|                                                                  | 6H  | 19.8                                           | 20.2 | 20.2 | 20.6 | 21.0 | 19.8                                    | 20.2 | 20.2 | 20.6 | 21.0 | 21.0 |
| 8H                                                               | 8H  | 20.2                                           | 20.6 | 20.6 | 21.0 | 21.4 | 20.2                                    | 20.6 | 20.6 | 21.0 | 21.4 | 21.4 |
|                                                                  | 12H | 20.6                                           | 21.0 | 21.1 | 21.4 | 21.8 | 20.6                                    | 21.0 | 21.1 | 21.4 | 21.8 | 21.8 |
|                                                                  | 4H  | 19.3                                           | 19.7 | 19.7 | 20.0 | 20.4 | 19.3                                    | 19.7 | 19.7 | 20.0 | 20.4 | 20.4 |
|                                                                  | 6H  | 20.4                                           | 20.7 | 20.8 | 21.1 | 21.5 | 20.4                                    | 20.7 | 20.8 | 21.1 | 21.5 | 21.5 |
|                                                                  | 8H  | 20.9                                           | 21.2 | 21.4 | 21.6 | 22.1 | 20.9                                    | 21.2 | 21.4 | 21.6 | 22.1 | 22.1 |
| 12H                                                              | 12H | 21.5                                           | 21.7 | 22.0 | 22.1 | 22.6 | 21.5                                    | 21.7 | 22.0 | 22.1 | 22.6 | 22.6 |
|                                                                  | 4H  | 19.3                                           | 19.7 | 19.8 | 20.1 | 20.5 | 19.3                                    | 19.7 | 19.8 | 20.1 | 20.5 | 20.5 |
|                                                                  | 6H  | 20.5                                           | 20.7 | 21.0 | 21.2 | 21.7 | 20.5                                    | 20.7 | 21.0 | 21.2 | 21.7 | 21.7 |
| 8H                                                               |     | 21.1                                           | 21.3 | 21.6 | 21.8 | 22.3 | 21.1                                    | 21.3 | 21.6 | 21.8 | 22.3 | 22.3 |
| Variation of the observer position for the luminaire distances S |     |                                                |      |      |      |      |                                         |      |      |      |      |      |
| S = 1.0H                                                         |     | +0.5 / -0.2                                    |      |      |      |      | +0.5 / -0.2                             |      |      |      |      |      |
| S = 1.5H                                                         |     | +1.2 / -0.4                                    |      |      |      |      | +1.2 / -0.4                             |      |      |      |      |      |
| S = 2.0H                                                         |     | +2.0 / -0.7                                    |      |      |      |      | +2.0 / -0.7                             |      |      |      |      |      |
| Standard table                                                   |     | BK06                                           |      |      |      |      | BK06                                    |      |      |      |      |      |
| Correction                                                       |     | 3.1                                            |      |      |      |      | 3.1                                     |      |      |      |      |      |
| Summand                                                          |     |                                                |      |      |      |      |                                         |      |      |      |      |      |
| Corrected Glare Indices referring to 910lm Total Luminous Flux   |     |                                                |      |      |      |      |                                         |      |      |      |      |      |



| PRODUCT  |                     |
|----------|---------------------|
| Model    | Swap L Add-On Bezel |
| Colour   | W □   Matt white    |
| Category | Accessories         |



Ⓡ 85-89  
+



Ⓡ 89-101

Accessory always included but for optional use.

It extends the piece's bezel to cover larger recesses, keeping Swap's minimalism and its perfect integration into the ceiling.

Easy to fit. Ideal for reforms to replace the light spot, with the already existing holes, without altering the ceiling or repainting. Swap is the best option for updating to LED technology by means of a real light fixture with incorporated LED, in contrast to just a retrofit lamp that only implies a less efficient update of the light source.



|           | PRODUCT            |
|-----------|--------------------|
| Model     | Swap L Flat Spring |
| Reference | A2120000           |
| Category  | Accessories        |

The springs "Flat Spring" is an accessory that replaces the fixing clamp system for recessed installations in cement ceilings.

With Swap XL, L and M versions, the customer will receive a mounting kit wich will allow him to change the fixing clamps for the new system.



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

## INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES

### INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL

### INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT

### ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI

### ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN



Interrumpir la alimentación del aparato

Cut the power supply to the luminaire

Couper l'alimentation du luminaire

Interrompere l'alimentazione dell'apparecchio

Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho

Remove light source(s) for disposal

Retirer la (les) source(s) lumineuse(s) pour l'élimination

Rimuovere la/le sorgente/e di luce per lo smaltimento

Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho

Remove the battery for decommissioning

Retirer la batterie pour sa mise au rebut

Rimuovere la batteria per la dismissione

Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho

Remove control gear for disposal

Retirer le dispositif de commande pour l'élimination

Rimuovere l'alimentatore per lo smaltimento

Betriebsgerät zur Entsorgung ausbauen

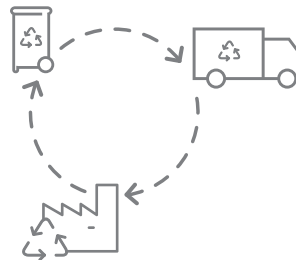
Enviar los materiales a un centro de recogida RAEE

Send the materials to a WEEE collection centre

Envoyer les matériaux dans une déchetterie DEEE

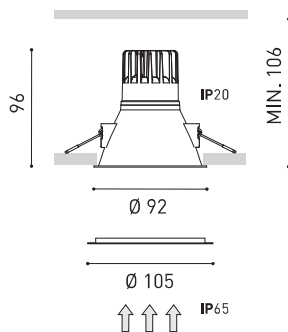
Inviare i materiali ad un centro di raccolta RAEE

Die Materialien in einem WEEE-Zentrum entsorgen





### DIMENSIONS



### ACCESSORIES



ADD-ON BEZEL



FLAT SPRING ACCESSORY

### AWARDS



reddot design award  
winner 2015



GERMAN  
DESIGN  
AWARD  
NOMINEE  
2016

### PRODUCT

|           |                                         |
|-----------|-----------------------------------------|
| Name      | SWAP IP65 L 7W DIM DALI/PUSH 3000K W    |
| Reference | A2123231W65                             |
| Color     | Matt white                              |
| RAL       | Colour in the mass looks alike RAL 9010 |
| Category  | CEILING RECESSED                        |

### LIGHT SOURCE

|                        |                  |
|------------------------|------------------|
| Type                   | LED              |
| Gross luminous flux    | 940 lm           |
| Colour temperature     | 3000 K           |
| Chromatic stability    | MacAdam Step 2   |
| Colour Rendering Index | CRI > 90         |
| Power                  | 7 W              |
| Current                | 200 mA           |
| Efficacy               | 134 lm/W         |
| LED lifespan           | L90B10 > 55.000h |

### LIGHTING FIXTURE | PHOTOMETRIC DATA

|                     |     |
|---------------------|-----|
| Lighting efficiency | 81% |
| Light beam angle    | 44° |

### LIGHTING FIXTURE | ELECTRICAL DATA

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Driver                      | Included - Fast Connect                 |
| Power values of the system  | 8,79 W                                  |
| Frequency                   | 50/60 Hz                                |
| Dimming                     | DALI / Push - Other DIM, please consult |
| Electrical insulation class | <input type="checkbox"/>                |

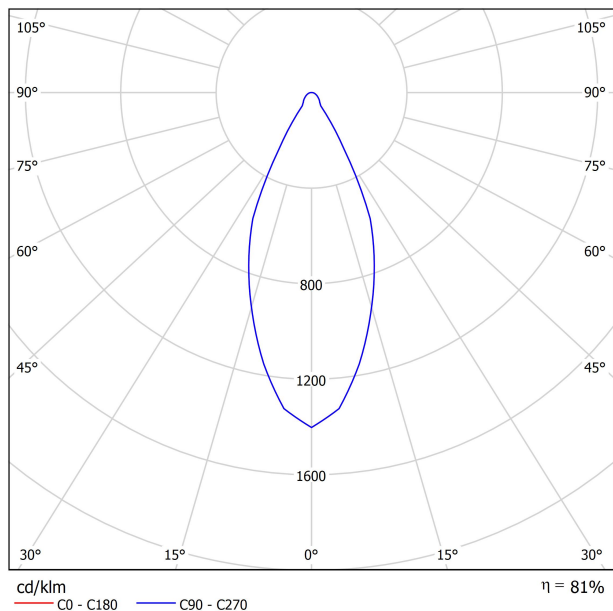
### OTHER DATA

|                        |                           |
|------------------------|---------------------------|
| Sealing                | IP65                      |
| Wireless control       | Please Consult            |
| Emergency power supply | Please Consult            |
| Impact resistance      | IK07                      |
| Recess measurements    | Ø85 mm                    |
| Weight                 | 245 g                     |
| Packaged weight        | 292,5 g                   |
| Packaging dimensions   | 147 x 132 x 134 mm        |
| Units per package      | 1                         |
| Materials              | Aluminium / Polycarbonate |

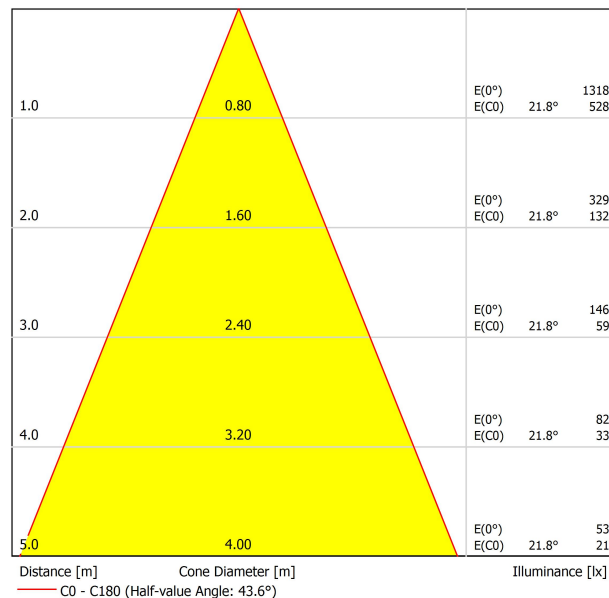


Swap is a ceiling recessed LED spotlight whose main features are its minimalist aspect, its perfect integration into the ceiling, and considerable visual comfort, thanks to the small reflector that is set back with respect to the ceiling plane. When it is switched on, its matte finish shade generates an attractive effect, a discrete circle of light. It includes an add-on bezel that can be used optionally to cover larger recess diameters.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

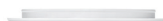
| Glare Evaluation According to UGR                                 |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |
|-------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|------|
|                                                                   |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   | 30   |
| p Ceiling                                                         |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   | 30   |
| p Walls                                                           |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   | 20   |
| p Floor                                                           |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X                  Y                                 |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |      |
| 2H                                                                | 2H  | 15.4                                              | 16.2 | 15.6 | 16.4 | 16.6 | 15.4                                       | 16.2 | 15.6 | 16.4 | 16.6 | 16.6 |
|                                                                   | 3H  | 17.2                                              | 17.9 | 17.5 | 18.2 | 18.4 | 17.2                                       | 17.9 | 17.5 | 18.2 | 18.4 | 18.4 |
|                                                                   | 4H  | 18.0                                              | 18.7 | 18.3 | 18.9 | 19.2 | 18.0                                       | 18.7 | 18.3 | 18.9 | 19.2 | 19.2 |
|                                                                   | 6H  | 18.7                                              | 19.4 | 19.1 | 19.6 | 19.9 | 18.7                                       | 19.4 | 19.1 | 19.6 | 19.9 | 19.9 |
|                                                                   | 8H  | 19.1                                              | 19.7 | 19.4 | 20.0 | 20.3 | 19.1                                       | 19.7 | 19.4 | 20.0 | 20.3 | 20.3 |
| 4H                                                                | 12H | 19.4                                              | 20.0 | 19.7 | 20.3 | 20.6 | 19.4                                       | 20.0 | 19.7 | 20.3 | 20.6 | 20.6 |
|                                                                   | 2H  | 16.0                                              | 16.7 | 16.3 | 16.9 | 17.2 | 16.0                                       | 16.7 | 16.3 | 16.9 | 17.2 | 17.2 |
|                                                                   | 3H  | 18.0                                              | 18.6 | 18.4 | 18.9 | 19.2 | 18.0                                       | 18.6 | 18.4 | 18.9 | 19.2 | 19.2 |
|                                                                   | 4H  | 19.0                                              | 19.5 | 19.4 | 19.8 | 20.2 | 19.0                                       | 19.5 | 19.4 | 19.8 | 20.2 | 20.2 |
|                                                                   | 6H  | 19.9                                              | 20.3 | 20.3 | 20.7 | 21.1 | 19.9                                       | 20.3 | 20.3 | 20.7 | 21.1 | 21.1 |
| 8H                                                                | 8H  | 20.3                                              | 20.7 | 20.7 | 21.1 | 21.5 | 20.3                                       | 20.7 | 20.7 | 21.1 | 21.5 | 21.5 |
|                                                                   | 12H | 20.7                                              | 21.1 | 21.2 | 21.5 | 21.9 | 20.7                                       | 21.1 | 21.2 | 21.5 | 21.9 | 21.9 |
|                                                                   | 4H  | 19.4                                              | 19.8 | 19.8 | 20.2 | 20.6 | 19.4                                       | 19.8 | 19.8 | 20.2 | 20.6 | 20.6 |
|                                                                   | 6H  | 20.5                                              | 20.8 | 20.9 | 21.2 | 21.6 | 20.5                                       | 20.8 | 20.9 | 21.2 | 21.6 | 21.6 |
|                                                                   | 8H  | 21.0                                              | 21.3 | 21.5 | 21.7 | 22.2 | 21.0                                       | 21.3 | 21.5 | 21.7 | 22.2 | 22.2 |
| 12H                                                               | 12H | 21.6                                              | 21.8 | 22.1 | 22.3 | 22.7 | 21.6                                       | 21.8 | 22.1 | 22.3 | 22.7 | 22.7 |
|                                                                   | 4H  | 19.4                                              | 19.8 | 19.9 | 20.2 | 20.6 | 19.4                                       | 19.8 | 19.9 | 20.2 | 20.6 | 20.6 |
|                                                                   | 6H  | 20.6                                              | 20.8 | 21.1 | 21.3 | 21.8 | 20.6                                       | 20.8 | 21.1 | 21.3 | 21.8 | 21.8 |
|                                                                   | 8H  | 21.2                                              | 21.4 | 21.7 | 21.9 | 22.4 | 21.2                                       | 21.4 | 21.7 | 21.9 | 22.4 | 22.4 |
| Variation of the observer position for the luminaires distances S |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |
| S = 1.0H                                                          |     | +0.5 / -0.2                                       |      |      |      |      | +0.5 / -0.2                                |      |      |      |      |      |
| S = 1.5H                                                          |     | +1.2 / -0.4                                       |      |      |      |      | +1.2 / -0.4                                |      |      |      |      |      |
| S = 2.0H                                                          |     | +2.0 / -0.7                                       |      |      |      |      | +2.0 / -0.7                                |      |      |      |      |      |
| Standard table                                                    |     | BK06                                              |      |      |      |      | BK06                                       |      |      |      |      |      |
| Correction Summand                                                |     | 3.1                                               |      |      |      |      | 3.1                                        |      |      |      |      |      |
| Corrected Glare Indices referring to 940lm Total Luminous Flux    |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |



| PRODUCT  |                     |
|----------|---------------------|
| Model    | Swap L Add-On Bezel |
| Colour   | W □   Matt white    |
| Category | Accessories         |



Ⓡ 85-89  
+



Ⓡ 89-101

Accessory always included but for optional use.

It extends the piece's bezel to cover larger recesses, keeping Swap's minimalism and its perfect integration into the ceiling.

Easy to fit. Ideal for reforms to replace the light spot, with the already existing holes, without altering the ceiling or repainting. Swap is the best option for updating to LED technology by means of a real light fixture with incorporated LED, in contrast to just a retrofit lamp that only implies a less efficient update of the light source.



|           | PRODUCT            |
|-----------|--------------------|
| Model     | Swap L Flat Spring |
| Reference | A2120000           |
| Category  | Accessories        |

The springs "Flat Spring" is an accessory that replaces the fixing clamp system for recessed installations in cement ceilings.

With Swap XL, L and M versions, the customer will receive a mounting kit wich will allow him to change the fixing clamps for the new system.



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

## INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES

### INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL

### INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT

### ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI

### ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN



Interrumpir la alimentación del aparato

Cut the power supply to the luminaire

Couper l'alimentation du luminaire

Interrompere l'alimentazione dell'apparecchio

Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho

Remove light source(s) for disposal

Retirer la (les) source(s) lumineuse(s) pour l'élimination

Rimuovere la/le sorgente/e di luce per lo smaltimento

Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho

Remove the battery for decommissioning

Retirer la batterie pour sa mise au rebut

Rimuovere la batteria per la dismissione

Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho

Remove control gear for disposal

Retirer le dispositif de commande pour l'élimination

Rimuovere l'alimentatore per lo smaltimento

Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE

Send the materials to a WEEE collection centre

Envoyer les matériaux dans une déchetterie DEEE

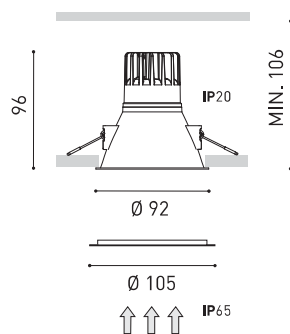
Inviare i materiali ad un centro di raccolta RAEE

Die Materialien in einem WEEE-Zentrum entsorgen





### DIMENSIONS



### ACCESSORIES



ADD-ON BEZEL



FLAT SPRING ACCESSORY

### AWARDS

reddot design award  
winner 2015GERMAN  
DESIGN  
AWARD  
NOMINEE  
2016

### PRODUCT

|           |                                         |
|-----------|-----------------------------------------|
| Name      | SWAP IP65 L 7W DIM DALI/PUSH 3500K W    |
| Reference | A2123233W65                             |
| Color     | Matt white                              |
| RAL       | Colour in the mass looks alike RAL 9010 |
| Category  | CEILING RECESSED                        |

### LIGHT SOURCE

|                        |                  |
|------------------------|------------------|
| Type                   | LED              |
| Gross luminous flux    | 955 lm           |
| Colour temperature     | 3500 K           |
| Chromatic stability    | MacAdam Step 2   |
| Colour Rendering Index | CRI > 90         |
| Power                  | 7 W              |
| Current                | 200 mA           |
| Efficacy               | 136 lm/W         |
| LED lifespan           | L90B10 > 55.000h |

### LIGHTING FIXTURE | PHOTOMETRIC DATA

|                     |     |
|---------------------|-----|
| Lighting efficiency | 81% |
| Light beam angle    | 44° |

### LIGHTING FIXTURE | ELECTRICAL DATA

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Driver                      | Included - Fast Connect                 |
| Power values of the system  | 8,79 W                                  |
| Frequency                   | 50/60 Hz                                |
| Dimming                     | DALI / Push - Other DIM, please consult |
| Electrical insulation class | □                                       |

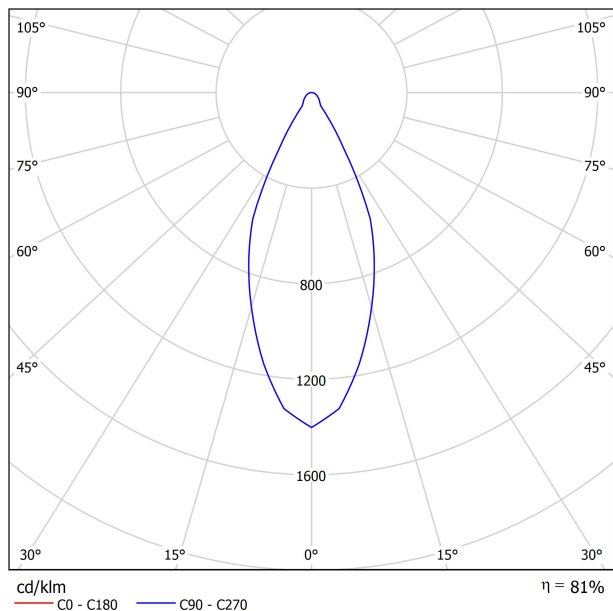
### OTHER DATA

|                        |                           |
|------------------------|---------------------------|
| Sealing                | IP65                      |
| Wireless control       | Please Consult            |
| Emergency power supply | Please Consult            |
| Impact resistance      | IK07                      |
| Recess measurements    | Ø85 mm                    |
| Weight                 | 245 g                     |
| Packaged weight        | 292,5 g                   |
| Packaging dimensions   | 147 x 132 x 134 mm        |
| Units per package      | 1                         |
| Materials              | Aluminium / Polycarbonate |

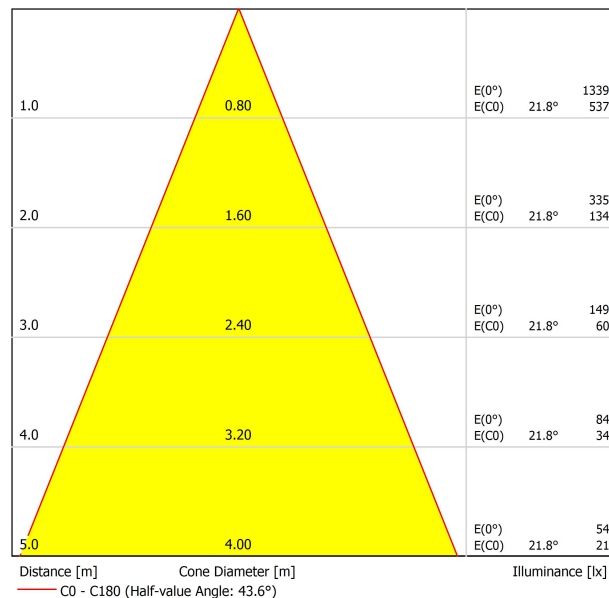


Swap is a ceiling recessed LED spotlight whose main features are its minimalist aspect, its perfect integration into the ceiling, and considerable visual comfort, thanks to the small reflector that is set back with respect to the ceiling plane. When it is switched on, its matte finish shade generates an attractive effect, a discrete circle of light. It includes an add-on bezel that can be used optionally to cover larger recess diameters.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

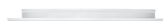
| Glare Evaluation According to UGR                                |     |                                                   |      |      |      |      |                                            |      |      |      |      |  |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|--|
| p Ceiling                                                        |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   |  |
| p Walls                                                          |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   |  |
| p Floor                                                          |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   |  |
| Room Size<br>X Y                                                 |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |  |
| 2H                                                               | 2H  | 15.4                                              | 16.2 | 15.7 | 16.4 | 16.6 | 15.4                                       | 16.2 | 15.7 | 16.4 | 16.6 |  |
|                                                                  | 3H  | 17.3                                              | 18.0 | 17.5 | 18.2 | 18.5 | 17.3                                       | 18.0 | 17.5 | 18.2 | 18.5 |  |
|                                                                  | 4H  | 18.1                                              | 18.7 | 18.4 | 19.0 | 19.3 | 18.1                                       | 18.7 | 18.4 | 19.0 | 19.3 |  |
|                                                                  | 6H  | 18.8                                              | 19.4 | 19.1 | 19.7 | 20.0 | 18.8                                       | 19.4 | 19.1 | 19.7 | 20.0 |  |
|                                                                  | 8H  | 19.1                                              | 19.7 | 19.5 | 20.0 | 20.3 | 19.1                                       | 19.7 | 19.5 | 20.0 | 20.3 |  |
|                                                                  | 12H | 19.4                                              | 20.0 | 19.8 | 20.3 | 20.6 | 19.4                                       | 20.0 | 19.8 | 20.3 | 20.6 |  |
| 4H                                                               | 2H  | 16.0                                              | 16.7 | 16.3 | 17.0 | 17.2 | 16.0                                       | 16.7 | 16.3 | 17.0 | 17.2 |  |
|                                                                  | 3H  | 18.1                                              | 18.7 | 18.4 | 19.0 | 19.3 | 18.1                                       | 18.7 | 18.4 | 19.0 | 19.3 |  |
|                                                                  | 4H  | 19.1                                              | 19.6 | 19.4 | 19.9 | 20.3 | 19.1                                       | 19.6 | 19.4 | 19.9 | 20.3 |  |
|                                                                  | 6H  | 20.0                                              | 20.4 | 20.4 | 20.8 | 21.1 | 20.0                                       | 20.4 | 20.4 | 20.8 | 21.1 |  |
|                                                                  | 8H  | 20.4                                              | 20.8 | 20.8 | 21.1 | 21.5 | 20.4                                       | 20.8 | 20.8 | 21.1 | 21.5 |  |
|                                                                  | 12H | 20.8                                              | 21.1 | 21.2 | 21.5 | 21.9 | 20.8                                       | 21.1 | 21.2 | 21.5 | 21.9 |  |
| 8H                                                               | 4H  | 19.4                                              | 19.8 | 19.9 | 20.2 | 20.6 | 19.4                                       | 19.8 | 19.9 | 20.2 | 20.6 |  |
|                                                                  | 6H  | 20.5                                              | 20.8 | 21.0 | 21.3 | 21.7 | 20.5                                       | 20.8 | 21.0 | 21.3 | 21.7 |  |
|                                                                  | 8H  | 21.1                                              | 21.3 | 21.5 | 21.8 | 22.2 | 21.1                                       | 21.3 | 21.5 | 21.8 | 22.2 |  |
|                                                                  | 12H | 21.6                                              | 21.8 | 22.1 | 22.3 | 22.8 | 21.6                                       | 21.8 | 22.1 | 22.3 | 22.8 |  |
| 12H                                                              | 4H  | 19.5                                              | 19.8 | 19.9 | 20.2 | 20.7 | 19.5                                       | 19.8 | 19.9 | 20.2 | 20.7 |  |
|                                                                  | 6H  | 20.7                                              | 20.9 | 21.1 | 21.3 | 21.8 | 20.7                                       | 20.9 | 21.1 | 21.3 | 21.8 |  |
|                                                                  | 8H  | 21.3                                              | 21.5 | 21.8 | 21.9 | 22.4 | 21.3                                       | 21.5 | 21.8 | 21.9 | 22.4 |  |
| Variation of the observer position for the luminaire distances S |     |                                                   |      |      |      |      |                                            |      |      |      |      |  |
| S = 1.0H                                                         |     | +0.5 / -0.2                                       |      |      |      |      | +0.5 / -0.2                                |      |      |      |      |  |
| S = 1.5H                                                         |     | +1.2 / -0.4                                       |      |      |      |      | +1.2 / -0.4                                |      |      |      |      |  |
| S = 2.0H                                                         |     | +2.0 / -0.7                                       |      |      |      |      | +2.0 / -0.7                                |      |      |      |      |  |
| Standard table                                                   |     | BK06                                              |      |      |      |      | BK06                                       |      |      |      |      |  |
| Correction Summand                                               |     | 3.1                                               |      |      |      |      | 3.1                                        |      |      |      |      |  |
| Corrected Glare Indices referring to 955lm Total Luminous Flux   |     |                                                   |      |      |      |      |                                            |      |      |      |      |  |



| PRODUCT  |                     |
|----------|---------------------|
| Model    | Swap L Add-On Bezel |
| Colour   | W □   Matt white    |
| Category | Accessories         |



Ⓡ 85-89  
+



Ⓡ 89-101

Accessory always included but for optional use.

It extends the piece's bezel to cover larger recesses, keeping Swap's minimalism and its perfect integration into the ceiling.

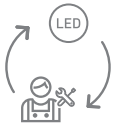
Easy to fit. Ideal for reforms to replace the light spot, with the already existing holes, without altering the ceiling or repainting. Swap is the best option for updating to LED technology by means of a real light fixture with incorporated LED, in contrast to just a retrofit lamp that only implies a less efficient update of the light source.



| PRODUCT   |                    |
|-----------|--------------------|
| Model     | Swap L Flat Spring |
| Reference | A2120000           |
| Category  | Accessories        |

The springs "Flat Spring" is an accessory that replaces the fixing clamp system for recessed installations in cement ceilings.

With Swap XL, L and M versions, the customer will receive a mounting kit wich will allow him to change the fixing clamps for the new system.



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

## INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES

### INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL

### INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT

### ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI

### ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN



Interrumpir la alimentación del aparato

Cut the power supply to the luminaire

Couper l'alimentation du luminaire

Interrompere l'alimentazione dell'apparecchio

Stromversorgung der Leuchte unterbrechen



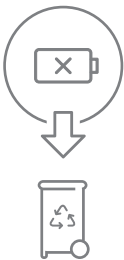
Quitar la(s) fuente(s) de luz para el desecho

Remove light source(s) for disposal

Retirer la (les) source(s) lumineuse(s) pour l'élimination

Rimuovere la/le sorgente/e di luce per lo smaltimento

Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho

Remove the battery for decommissioning

Retirer la batterie pour sa mise au rebut

Rimuovere la batteria per la dismissione

Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho

Remove control gear for disposal

Retirer le dispositif de commande pour l'élimination

Rimuovere l'alimentatore per lo smaltimento

Betriebsgerät zur Entsorgung ausbauen

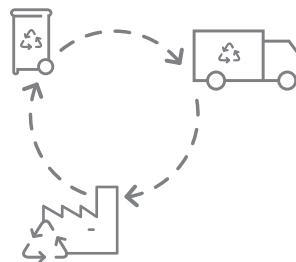
Enviar los materiales a un centro de recogida RAEE

Send the materials to a WEEE collection centre

Envoyer les matériaux dans une déchetterie DEEE

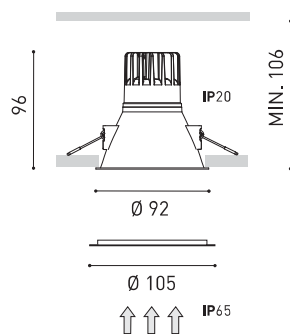
Inviare i materiali ad un centro di raccolta RAEE

Die Materialien in einem WEEE-Zentrum entsorgen





### DIMENSIONS



### ACCESSORIES



ADD-ON BEZEL



FLAT SPRING ACCESSORY

### AWARDS

reddot design award  
winner 2015GERMAN  
DESIGN  
AWARD  
NOMINEE  
2016

### PRODUCT

|           |                                         |
|-----------|-----------------------------------------|
| Name      | SWAP IP65 L 7W DIM DALI/PUSH 4000K W    |
| Reference | A2123232W65                             |
| Color     | Matt white                              |
| RAL       | Colour in the mass looks alike RAL 9010 |
| Category  | CEILING RECESSED                        |

### LIGHT SOURCE

|                        |                  |
|------------------------|------------------|
| Type                   | LED              |
| Gross luminous flux    | 960 lm           |
| Colour temperature     | 4000 K           |
| Chromatic stability    | MacAdam Step 2   |
| Colour Rendering Index | CRI > 90         |
| Power                  | 7 W              |
| Current                | 200 mA           |
| Efficacy               | 137 lm/W         |
| LED lifespan           | L90B10 > 55.000h |

### LIGHTING FIXTURE | PHOTOMETRIC DATA

|                     |     |
|---------------------|-----|
| Lighting efficiency | 81% |
| Light beam angle    | 44° |

### LIGHTING FIXTURE | ELECTRICAL DATA

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Driver                      | Included - Fast Connect                 |
| Power values of the system  | 8,79 W                                  |
| Frequency                   | 50/60 Hz                                |
| Dimming                     | DALI / Push - Other DIM, please consult |
| Electrical insulation class | □                                       |

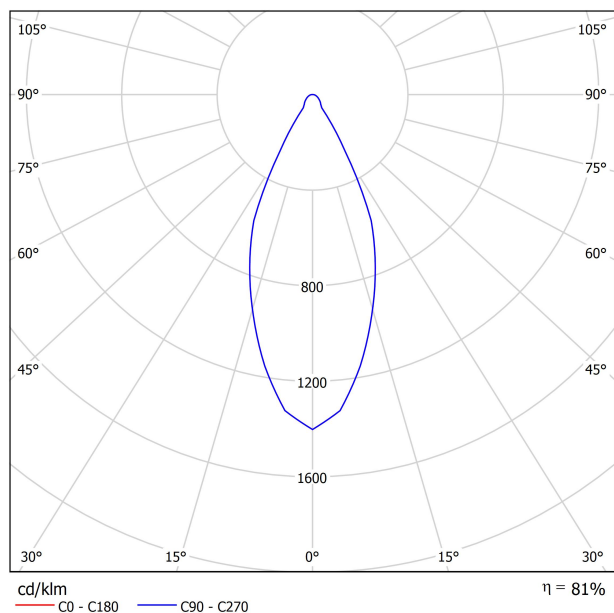
### OTHER DATA

|                        |                           |
|------------------------|---------------------------|
| Sealing                | IP65                      |
| Wireless control       | Please Consult            |
| Emergency power supply | Please Consult            |
| Impact resistance      | IK07                      |
| Recess measurements    | Ø85 mm                    |
| Weight                 | 245 g                     |
| Packaged weight        | 292,5 g                   |
| Packaging dimensions   | 147 x 132 x 134 mm        |
| Units per package      | 1                         |
| Materials              | Aluminium / Polycarbonate |

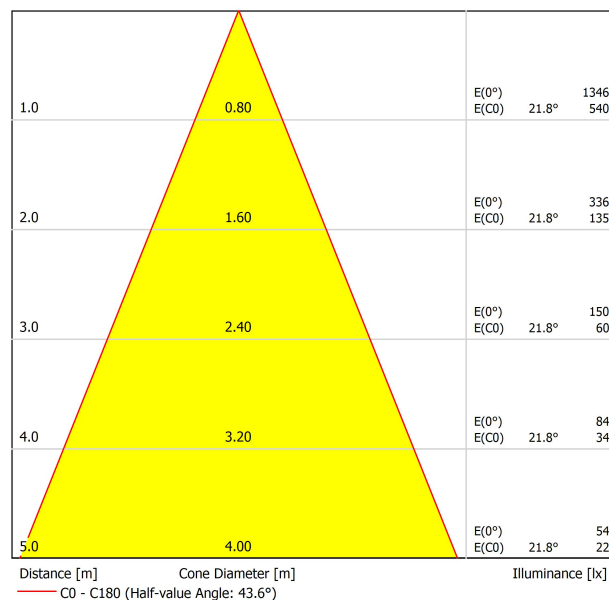


Swap is a ceiling recessed LED spotlight whose main features are its minimalist aspect, its perfect integration into the ceiling, and considerable visual comfort, thanks to the small reflector that is set back with respect to the ceiling plane. When it is switched on, its matte finish shade generates an attractive effect, a discrete circle of light. It includes an add-on bezel that can be used optionally to cover larger recess diameters.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

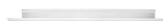
| Glare Evaluation According to UGR                                |     |                                                |      |      |      |      |                                         |      |      |      |      |    |
|------------------------------------------------------------------|-----|------------------------------------------------|------|------|------|------|-----------------------------------------|------|------|------|------|----|
|                                                                  |     | 70                                             | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   | 30 |
| p Ceiling                                                        |     | 50                                             | 30   | 50   | 30   | 30   | 50                                      | 30   | 50   | 30   | 30   | 30 |
| p Walls                                                          |     | 20                                             | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20 |
| p Floor                                                          |     | 20                                             | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20 |
| Room Size X Y                                                    |     | Viewing direction at right angles to lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |    |
| 2H                                                               | 2H  | 15.5                                           | 16.2 | 15.7 | 16.4 | 16.7 | 15.5                                    | 16.2 | 15.7 | 16.4 | 16.7 |    |
|                                                                  | 3H  | 17.3                                           | 18.0 | 17.6 | 18.2 | 18.5 | 17.3                                    | 18.0 | 17.6 | 18.2 | 18.5 |    |
|                                                                  | 4H  | 18.1                                           | 18.8 | 18.4 | 19.0 | 19.3 | 18.1                                    | 18.8 | 18.4 | 19.0 | 19.3 |    |
|                                                                  | 6H  | 18.8                                           | 19.4 | 19.1 | 19.7 | 20.0 | 18.8                                    | 19.4 | 19.1 | 19.7 | 20.0 |    |
|                                                                  | 8H  | 19.1                                           | 19.7 | 19.5 | 20.0 | 20.3 | 19.1                                    | 19.7 | 19.5 | 20.0 | 20.3 |    |
| 4H                                                               | 12H | 19.5                                           | 20.0 | 19.8 | 20.3 | 20.7 | 19.5                                    | 20.0 | 19.8 | 20.3 | 20.7 |    |
|                                                                  | 2H  | 16.0                                           | 16.7 | 16.4 | 17.0 | 17.2 | 16.0                                    | 16.7 | 16.4 | 17.0 | 17.2 |    |
|                                                                  | 3H  | 18.1                                           | 18.7 | 18.5 | 19.0 | 19.3 | 18.1                                    | 18.7 | 18.5 | 19.0 | 19.3 |    |
|                                                                  | 4H  | 19.1                                           | 19.6 | 19.5 | 19.9 | 20.3 | 19.1                                    | 19.6 | 19.5 | 19.9 | 20.3 |    |
|                                                                  | 6H  | 20.0                                           | 20.4 | 20.4 | 20.8 | 21.2 | 20.0                                    | 20.4 | 20.4 | 20.8 | 21.2 |    |
| 8H                                                               | 12H | 20.4                                           | 20.8 | 20.8 | 21.2 | 21.6 | 20.4                                    | 20.8 | 20.8 | 21.2 | 21.6 |    |
|                                                                  | 2H  | 20.8                                           | 21.1 | 21.2 | 21.5 | 22.0 | 20.8                                    | 21.1 | 21.2 | 21.5 | 22.0 |    |
|                                                                  | 4H  | 19.5                                           | 19.8 | 19.9 | 20.2 | 20.6 | 19.5                                    | 19.8 | 19.9 | 20.2 | 20.6 |    |
|                                                                  | 6H  | 20.5                                           | 20.8 | 21.0 | 21.3 | 21.7 | 20.5                                    | 20.8 | 21.0 | 21.3 | 21.7 |    |
|                                                                  | 8H  | 21.1                                           | 21.3 | 21.6 | 21.8 | 22.3 | 21.1                                    | 21.3 | 21.6 | 21.8 | 22.3 |    |
| 12H                                                              | 12H | 21.6                                           | 21.9 | 22.1 | 22.3 | 22.8 | 21.6                                    | 21.9 | 22.1 | 22.3 | 22.8 |    |
|                                                                  | 4H  | 19.5                                           | 19.9 | 20.0 | 20.3 | 20.7 | 19.5                                    | 19.9 | 20.0 | 20.3 | 20.7 |    |
|                                                                  | 6H  | 20.7                                           | 20.9 | 21.1 | 21.4 | 21.8 | 20.7                                    | 20.9 | 21.1 | 21.4 | 21.8 |    |
|                                                                  | 8H  | 21.3                                           | 21.5 | 21.8 | 22.0 | 22.5 | 21.3                                    | 21.5 | 21.8 | 22.0 | 22.5 |    |
| Variation of the observer position for the luminaire distances S |     |                                                |      |      |      |      |                                         |      |      |      |      |    |
| S = 1.0H                                                         |     | +0.5 / -0.2                                    |      |      |      |      | +0.5 / -0.2                             |      |      |      |      |    |
| S = 1.5H                                                         |     | +1.2 / -0.4                                    |      |      |      |      | +1.2 / -0.4                             |      |      |      |      |    |
| S = 2.0H                                                         |     | +2.0 / -0.7                                    |      |      |      |      | +2.0 / -0.7                             |      |      |      |      |    |
| Standard table                                                   |     | BK06                                           |      |      |      |      | BK06                                    |      |      |      |      |    |
| Correction Summand                                               |     | 3.1                                            |      |      |      |      | 3.1                                     |      |      |      |      |    |
| Corrected Glare Indices referring to 960lm Total Luminous Flux   |     |                                                |      |      |      |      |                                         |      |      |      |      |    |



| PRODUCT  |                     |
|----------|---------------------|
| Model    | Swap L Add-On Bezel |
| Colour   | W □   Matt white    |
| Category | Accessories         |



Ⓡ 85-89  
+



Ⓡ 89-101

Accessory always included but for optional use.

It extends the piece's bezel to cover larger recesses, keeping Swap's minimalism and its perfect integration into the ceiling.

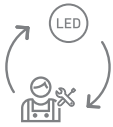
Easy to fit. Ideal for reforms to replace the light spot, with the already existing holes, without altering the ceiling or repainting. Swap is the best option for updating to LED technology by means of a real light fixture with incorporated LED, in contrast to just a retrofit lamp that only implies a less efficient update of the light source.



|           | PRODUCT            |
|-----------|--------------------|
| Model     | Swap L Flat Spring |
| Reference | A2120000           |
| Category  | Accessories        |

The springs "Flat Spring" is an accessory that replaces the fixing clamp system for recessed installations in cement ceilings.

With Swap XL, L and M versions, the customer will receive a mounting kit wich will allow him to change the fixing clamps for the new system.



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

## INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES

### INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL

### INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT

### ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI

### ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN



Interrumpir la alimentación del aparato

Cut the power supply to the luminaire

Couper l'alimentation du luminaire

Interrompere l'alimentazione dell'apparecchio

Stromversorgung der Leuchte unterbrechen



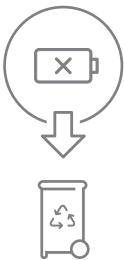
Quitar la(s) fuente(s) de luz para el desecho

Remove light source(s) for disposal

Retirer la (les) source(s) lumineuse(s) pour l'élimination

Rimuovere la/le sorgente/e di luce per lo smaltimento

Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho

Remove the battery for decommissioning

Retirer la batterie pour sa mise au rebut

Rimuovere la batteria per la dismissione

Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho

Remove control gear for disposal

Retirer le dispositif de commande pour l'élimination

Rimuovere l'alimentatore per lo smaltimento

Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE

Send the materials to a WEEE collection centre

Envoyer les matériaux dans une déchetterie DEEE

Inviare i materiali ad un centro di raccolta RAEE

Die Materialien in einem WEEE-Zentrum entsorgen

