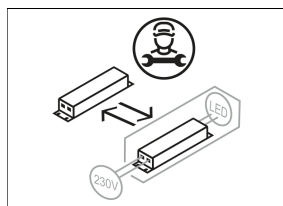
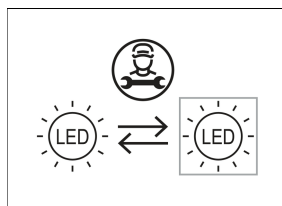
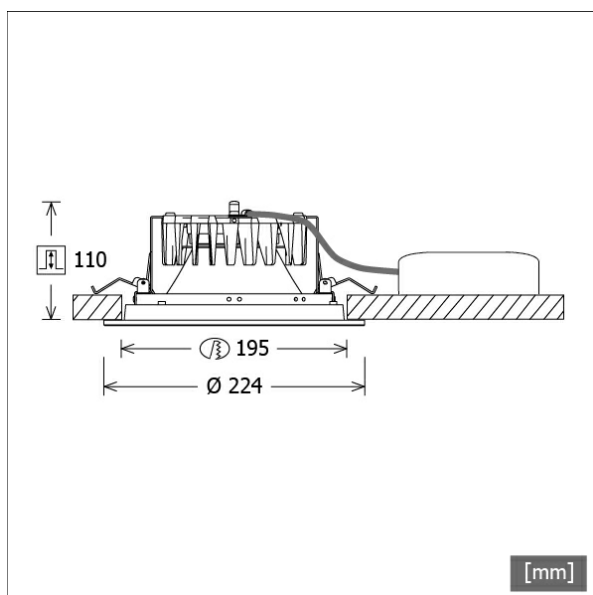


## CDL 30.2030.02



| Coloris | Réf. article | EAN           |
|---------|--------------|---------------|
| argent  | 660086       | 4043544689054 |
| blanc   | 660087       | 4043544689061 |



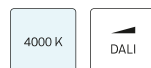
## Description

- downlight à encastrement pour éclairage général
- lampe expansible avec plusieurs verres et anneaux décoratifs optiques
- très simple à entretenir
- absence de radiations thermiques et UV
- gestion de la chaleur innovante avec refroidissement passif (dissipateur thermique en aluminium moulé sous pression)
- réflecteur-miroir en aluminium à faisceau symétrique précis pour un haut rendement lumineux et un contrôle optimal de l'éblouissement.
- anneau de montage/frontal en polycarbonate
- montage au plafond sans outils à l'aide de fixations rapides (réglage automatique de l'épaisseur du plafond)
- branchement au ballast par câble de l'appareil pré-assemblé
- ballast (convertisseur LED) Inclus (positionnement extérieur)

## Observations

Boîtier pour béton armé disponible sur demande.

## Options standard



## Options spéciales



## Données d'éclairage / Normes

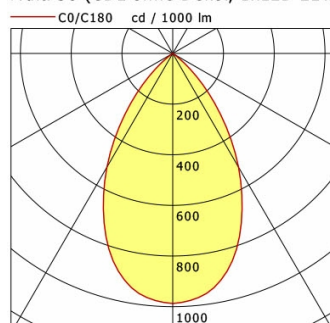
|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| <b>Lampes</b>                       | LED Modul / CRI 80 / 3000 K                               |
| <b>EPREL sources de lumière</b>     | 891015                                                    |
| <b>Durée de vie</b>                 | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| <b>Puissance du système</b>         | 22.0 W                                                    |
| <b>Flux lumineux des luminaires</b> | max. 2180 lm                                              |
| <b>Rendement du système</b>         | 99.09 lm/W                                                |
| <b>Rendement du module</b>          | 116.61 lm/W                                               |
| <b>UGR classe</b>                   | ≤25                                                       |
| <b>Angle de rayonnement</b>         | 75°                                                       |
| <b>Tension d'alimentation</b>       | 220 - 240 V / 50 - 60 Hz                                  |
| <b>Classe de protection</b>         | III                                                       |
| <b>Type de protection</b>           | IP20                                                      |

## Dimensions / Poids

|                                  |                |
|----------------------------------|----------------|
| <b>Diamètre extérieur</b>        | 224 mm         |
| <b>Hauteur</b>                   | 113 mm         |
| <b>Découpe (Ø)</b>               | 195 mm         |
| <b>Épaisseur plafond</b>         | 10.0 - 35.0 mm |
| <b>Profondeur d'encastrement</b> | 110 mm         |
| <b>Poids net</b>                 | 0.95 kg        |
| <b>Poids brut</b>                | 1.00 kg        |

# CDL 30.2030.02

Multi 30 (CDL ohne Dekor, 1xLED 22W 830/3000K 2180lm 75 °)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 988 | 988 | 988  | 988  |
| 15° | 870 | 870 | 870  | 870  |
| 30° | 519 | 519 | 519  | 519  |
| 45° | 148 | 148 | 148  | 148  |
| 60° | 0   | 0   | 0    | 0    |
| 75° | 0   | 0   | 0    | 0    |
| 90° | 0   | 0   | 0    | 0    |

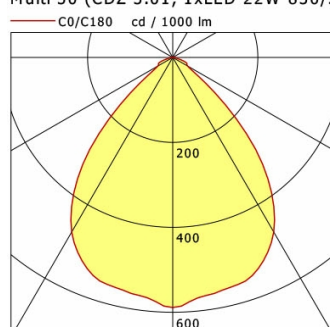
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.60           | 239.2            |
| 6.0        | 7.19           | 59.8             |
| 9.0        | 10.79          | 26.6             |
| 12.0       | 14.38          | 15.0             |
| 15.0       | 17.98          | 9.6              |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 99 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 18.9               |
| UGR C90/C270       | 18.9               |
| CIE Flux Codes     | 89 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Multi 30 (CDZ 3.01, 1xLED 22W 830/3000K 1860lm 75 °)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 589 | 589 | 589  | 589  |
| 15° | 557 | 557 | 557  | 557  |
| 30° | 475 | 475 | 475  | 475  |
| 45° | 228 | 228 | 228  | 228  |
| 60° | 40  | 40  | 40   | 40   |
| 75° | 17  | 17  | 17   | 17   |
| 90° | 0   | 0   | 0    | 0    |

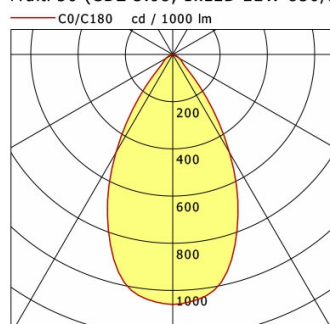
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 5.37           | 121.7            |
| 6.0        | 10.73          | 30.4             |
| 9.0        | 16.10          | 13.5             |
| 12.0       | 21.47          | 7.6              |
| 15.0       | 26.83          | 4.9              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 85 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 22.4             |
| UGR C90/C270       | 22.4             |
| CIE Flux Codes     | 74 94 99 100 100 |
| Ra/CRI             | >80              |

LTS

Multi 30 (CDZ 3.08, 1xLED 22W 830/3000K 2080lm 75 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1060 | 1060 | 1060 | 1060 |
| 15° | 928  | 928  | 928  | 928  |
| 30° | 480  | 480  | 480  | 480  |
| 45° | 84   | 84   | 84   | 84   |
| 60° | 32   | 32   | 32   | 32   |
| 75° | 12   | 12   | 12   | 12   |
| 90° | 1    | 1    | 1    | 1    |

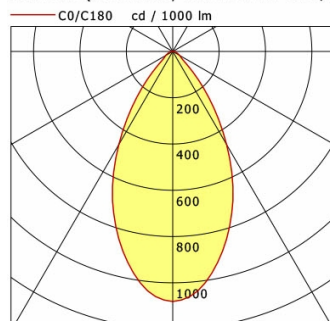
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.26           | 244.9            |
| 6.0        | 6.52           | 61.2             |
| 9.0        | 9.78           | 27.2             |
| 12.0       | 13.04          | 15.3             |
| 15.0       | 16.30          | 9.8              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 95 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 19.7             |
| UGR C90/C270       | 19.7             |
| CIE Flux Codes     | 86 96 99 100 100 |
| Ra/CRI             | >80              |

LTS

Multi 30 (CDZ 3.35, 1xLED 22W 830/3000K 2100lm 75 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1081 | 1081 | 1081 | 1081 |
| 15° | 867  | 867  | 867  | 867  |
| 30° | 465  | 465  | 465  | 465  |
| 45° | 114  | 114  | 114  | 114  |
| 60° | 34   | 34   | 34   | 34   |
| 75° | 15   | 15   | 15   | 15   |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.11           | 252.2            |
| 6.0        | 6.22           | 63.1             |
| 9.0        | 9.33           | 28.0             |
| 12.0       | 12.44          | 15.8             |
| 15.0       | 15.55          | 10.1             |

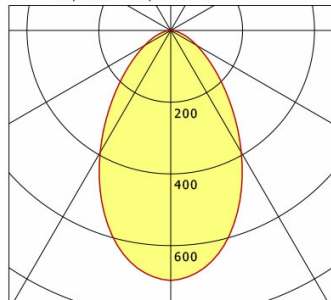
|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 96 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 20.7             |
| UGR C90/C270       | 20.7             |
| CIE Flux Codes     | 84 95 99 100 100 |
| Ra/CRI             | >80              |

LTS

# CDL 30.2030.02

Multi 30 (CDZ 3.38, 1xLED 22W 830/3000K 1940lm 75 °)

C0/C180 cd / 1000 lm



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 697 | 697 | 697  | 697  |
| 15° | 605 | 605 | 605  | 605  |
| 30° | 393 | 393 | 393  | 393  |
| 45° | 196 | 196 | 196  | 196  |
| 60° | 84  | 84  | 84   | 84   |
| 75° | 28  | 28  | 28   | 28   |
| 90° | 0   | 0   | 0    | 0    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

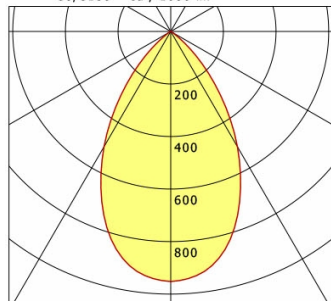
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.89           | 150.3            |
| 6.0        | 7.78           | 37.6             |
| 9.0        | 11.68          | 16.7             |
| 12.0       | 15.57          | 9.4              |
| 15.0       | 19.46          | 6.0              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 88 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 24.5             |
| UGR C90/C270       | 24.5             |
| CIE Flux Codes     | 67 90 98 100 100 |
| Ra/CRI             | >80              |

LTS

Multi 30 (CDZ 3.39, 1xLED 22W 830/3000K 2090lm 75 °)

C0/C180 cd / 1000 lm



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 952 | 952 | 952  | 952  |
| 15° | 839 | 839 | 839  | 839  |
| 30° | 507 | 507 | 507  | 507  |
| 45° | 154 | 154 | 154  | 154  |
| 60° | 7   | 7   | 7    | 7    |
| 75° | 5   | 5   | 5    | 5    |
| 90° | 0   | 0   | 0    | 0    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

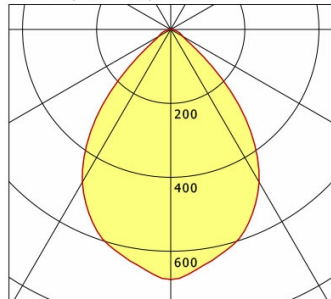
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.64           | 221.1            |
| 6.0        | 7.27           | 55.3             |
| 9.0        | 10.91          | 24.6             |
| 12.0       | 14.55          | 13.8             |
| 15.0       | 18.19          | 8.8              |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 95 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 22 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 19.1              |
| UGR C90/C270       | 19.1              |
| CIE Flux Codes     | 87 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

Multi 30 (CDZ 3.60, 1xLED 22W 830/3000K 2060lm 75 °)

C0/C180 cd / 1000 lm



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 676 | 676 | 676  | 676  |
| 15° | 612 | 612 | 612  | 612  |
| 30° | 477 | 477 | 477  | 477  |
| 45° | 213 | 213 | 213  | 213  |
| 60° | 38  | 38  | 38   | 38   |
| 75° | 16  | 16  | 16   | 16   |
| 90° | 0   | 0   | 0    | 0    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

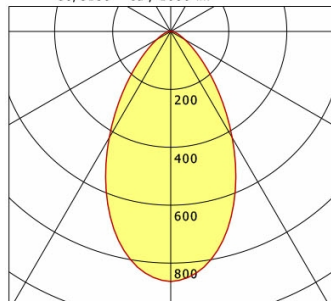
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 4.81           | 154.8            |
| 6.0        | 9.61           | 38.7             |
| 9.0        | 14.42          | 17.2             |
| 12.0       | 19.22          | 9.7              |
| 15.0       | 24.03          | 6.2              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 94 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 22.1             |
| UGR C90/C270       | 22.1             |
| CIE Flux Codes     | 76 95 99 100 100 |
| Ra/CRI             | >80              |

LTS

Multi 30 (CDZ 3.61, 1xLED 22W 830/3000K 2070lm 75 °)

C0/C180 cd / 1000 lm



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 864 | 864 | 864  | 864  |
| 15° | 728 | 728 | 728  | 728  |
| 30° | 424 | 424 | 424  | 424  |
| 45° | 169 | 169 | 169  | 169  |
| 60° | 56  | 56  | 56   | 56   |
| 75° | 19  | 19  | 19   | 19   |
| 90° | 1   | 1   | 1    | 1    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.41           | 198.6            |
| 6.0        | 6.82           | 49.7             |
| 9.0        | 10.23          | 22.1             |
| 12.0       | 13.65          | 12.4             |
| 15.0       | 17.06          | 7.9              |

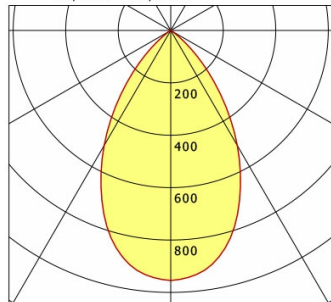
|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 94 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 22.7             |
| UGR C90/C270       | 22.7             |
| CIE Flux Codes     | 75 93 99 100 100 |
| Ra/CRI             | >80              |

LTS

# CDL 30.2030.02

Multi 30 (CDZ 3.62, 1xLED 22W 830/3000K 2110lm 75 °)

C0/C180 cd / 1000 lm



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 955 | 955 | 955  | 955  |
| 15°          | 841 | 841 | 841  | 841  |
| 30°          | 507 | 507 | 507  | 507  |
| 45°          | 154 | 154 | 154  | 154  |
| 60°          | 7   | 7   | 7    | 7    |
| 75°          | 4   | 4   | 4    | 4    |
| 90°          | 0   | 0   | 0    | 0    |
| cd / 1000 lm |     |     |      |      |

Offset [m] Cone width [m] Illuminance [lx]

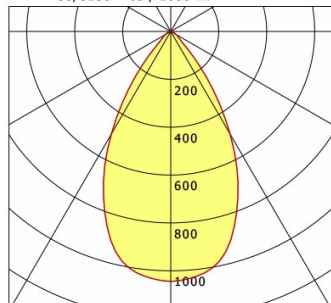
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.63           | 223.8            |
| 6.0        | 7.26           | 55.9             |
| 9.0        | 10.90          | 24.9             |
| 12.0       | 14.53          | 14.0             |
| 15.0       | 18.16          | 9.0              |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 96 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 22 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 19.1              |
| UGR C90/C270       | 19.1              |
| CIE Flux Codes     | 87 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

Multi 30 (CDZ 3.63, 1xLED 22W 830/3000K 2100lm 75 °)

C0/C180 cd / 1000 lm



|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 1045 | 1045 | 1045 | 1045 |
| 15°          | 929  | 929  | 929  | 929  |
| 30°          | 495  | 495  | 495  | 495  |
| 45°          | 83   | 83   | 83   | 83   |
| 60°          | 26   | 26   | 26   | 26   |
| 75°          | 10   | 10   | 10   | 10   |
| 90°          | 1    | 1    | 1    | 1    |
| cd / 1000 lm |      |      |      |      |

Offset [m] Cone width [m] Illuminance [lx]

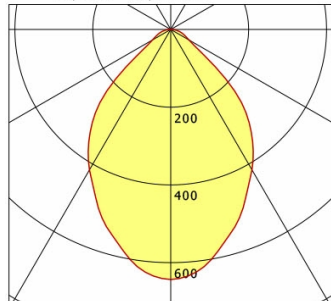
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.35           | 243.8            |
| 6.0        | 6.70           | 60.9             |
| 9.0        | 10.06          | 27.1             |
| 12.0       | 13.41          | 15.2             |
| 15.0       | 16.76          | 9.8              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 96 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 19.2             |
| UGR C90/C270       | 19.2             |
| CIE Flux Codes     | 88 97 99 100 100 |
| Ra/CRI             | >80              |

LTS

Multi 30 (CDZ 3.64, 1xLED 22W 830/3000K 2010lm 75 °)

C0/C180 cd / 1000 lm



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 643 | 643 | 643  | 643  |
| 15°          | 557 | 557 | 557  | 557  |
| 30°          | 417 | 417 | 417  | 417  |
| 45°          | 246 | 246 | 246  | 246  |
| 60°          | 54  | 54  | 54   | 54   |
| 75°          | 26  | 26  | 26   | 26   |
| 90°          | 2   | 2   | 2    | 2    |
| cd / 1000 lm |     |     |      |      |

Offset [m] Cone width [m] Illuminance [lx]

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 4.90           | 143.7            |
| 6.0        | 9.81           | 35.9             |
| 9.0        | 14.71          | 16.0             |
| 12.0       | 19.62          | 9.0              |
| 15.0       | 24.52          | 5.7              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 91 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 23.9             |
| UGR C90/C270       | 23.9             |
| CIE Flux Codes     | 69 92 98 100 100 |
| Ra/CRI             | >80              |

LTS

## CDL 30.2030.02

### Accessoires



**CDZ 3.01**  
Verre semi-opaque  
(intérieur)



**CDZ 3.08**  
Anneau en verre satiné  
(saillant)



**CDZ 3.35**  
Anneau en verre décoratif opaque  
(intérieur)



**CDZ 3.38**  
Verre satiné  
(intérieur)



**CDZ 3.39**  
Verre transparent  
(intérieur)



**CDZ 3.60**  
Verre acrylique semi-opaque  
(intérieur)



**CDZ 3.61**  
Verre acrylique opaque  
(intérieur)



**CDZ 3.62**  
Verre acrylique transparent  
(intérieur)



**CDZ 3.63**  
Anneau en verre acrylique opaque  
(saillant)



**CDZ 3.64**  
Anneau en verre acrylique opaque à l'intérieur  
(saillant)



**NOL 50B/3H/DALI**  
Groupe d'urgence LED



**ZVP 100**  
Châssis de renforcement universel  
(module 625 x 625)