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GS Arnum Mensa - Hauptgebäude - EG

## Garderobenflur 1.06

|                                                               |    |
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## Dimmwerte

| Steuergruppe                       | CG 1 | CG 2 |
|------------------------------------|------|------|
| Lichtszene 1                       | 100  | -    |
| Lichtszene 2 (Garderobenflur 1.06) | -    | 65   |

Dimmwerte [%]

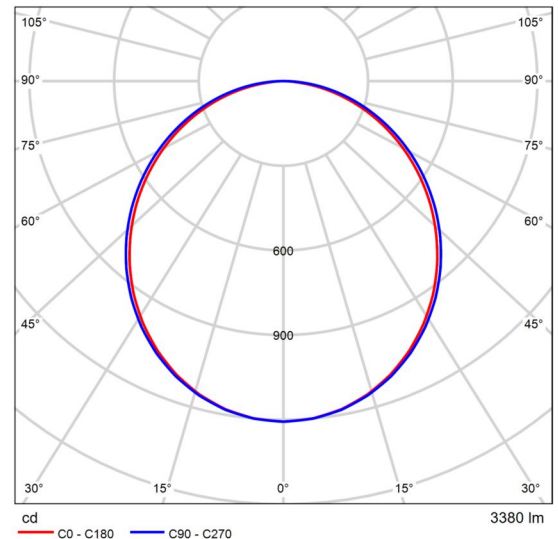
## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                            |
|-------------------------|----------------------------|
| Artikel-Nr.             | QA40SE-830M-C16-R350-L1374 |
| P                       | 23.6 W                     |
| $\Phi_{\text{Lampe}}$   | –                          |
| $\Phi_{\text{Leuchte}}$ | 3380 lm                    |
| $\eta$                  | –                          |
| Lichtausbeute           | 143.0 lm/W                 |
| CCT                     | 3000 K                     |
| CRI                     | 82                         |

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binnings MacAdam 3. Colour rendering CRI>80, CRI>90 or Full Spectrum.



Polare LVK

| Blendungsbewertung nach UGR                                  |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
|--------------------------------------------------------------|-----|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|--|
| ρ Decke                                                      |     | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |  |
| ρ Wände                                                      |     | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |  |
| ρ Boden                                                      |     | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |  |
| Raumgröße<br>X      Y                                        |     | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |  |
| 2H                                                           | 2H  | 21.4                                  | 22.8 | 21.7 | 23.0 | 23.2 | 21.6                                   | 23.0 | 21.9 | 23.2 | 23.5 |  |
|                                                              | 3H  | 23.0                                  | 24.2 | 23.3 | 24.5 | 24.7 | 23.3                                   | 24.5 | 23.6 | 24.8 | 25.1 |  |
|                                                              | 4H  | 23.6                                  | 24.8 | 24.0 | 25.1 | 25.4 | 24.0                                   | 25.2 | 24.3 | 25.5 | 25.8 |  |
|                                                              | 6H  | 24.1                                  | 25.2 | 24.4 | 25.5 | 25.8 | 24.6                                   | 25.7 | 24.9 | 26.0 | 26.3 |  |
|                                                              | 8H  | 24.2                                  | 25.3 | 24.6 | 25.6 | 25.9 | 24.8                                   | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 12H | 24.3                                  | 25.3 | 24.7 | 25.6 | 26.0 | 24.9                                   | 26.0 | 25.3 | 26.3 | 26.6 |  |
| 4H                                                           | 2H  | 22.1                                  | 23.3 | 22.5 | 23.6 | 23.9 | 22.3                                   | 23.5 | 22.6 | 23.7 | 24.0 |  |
|                                                              | 3H  | 23.9                                  | 24.9 | 24.3 | 25.2 | 25.6 | 24.2                                   | 25.2 | 24.5 | 25.5 | 25.8 |  |
|                                                              | 4H  | 24.7                                  | 25.6 | 25.1 | 25.9 | 26.3 | 25.0                                   | 25.9 | 25.4 | 26.3 | 26.6 |  |
|                                                              | 6H  | 25.2                                  | 26.0 | 25.7 | 26.4 | 26.8 | 25.7                                   | 26.5 | 26.2 | 26.9 | 27.3 |  |
|                                                              | 8H  | 25.4                                  | 26.2 | 25.9 | 26.6 | 27.0 | 26.0                                   | 26.8 | 26.4 | 27.1 | 27.6 |  |
|                                                              | 12H | 25.5                                  | 26.2 | 26.0 | 26.6 | 27.1 | 26.2                                   | 26.9 | 26.7 | 27.3 | 27.7 |  |
| 8H                                                           | 4H  | 25.0                                  | 25.7 | 25.4 | 26.1 | 26.6 | 25.3                                   | 26.1 | 25.8 | 26.5 | 26.9 |  |
|                                                              | 6H  | 25.7                                  | 26.4 | 26.2 | 26.8 | 27.2 | 26.2                                   | 26.8 | 26.7 | 27.2 | 27.7 |  |
|                                                              | 8H  | 26.0                                  | 26.5 | 26.5 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.6 | 28.0 |  |
|                                                              | 12H | 26.2                                  | 26.6 | 26.7 | 27.1 | 27.6 | 26.9                                   | 27.3 | 27.4 | 27.8 | 28.3 |  |
| 12H                                                          | 4H  | 25.0                                  | 25.7 | 25.5 | 26.1 | 26.6 | 25.3                                   | 26.0 | 25.8 | 26.4 | 26.9 |  |
|                                                              | 6H  | 25.8                                  | 26.4 | 26.3 | 26.8 | 27.3 | 26.3                                   | 26.8 | 26.7 | 27.3 | 27.7 |  |
|                                                              | 8H  | 26.1                                  | 26.6 | 26.6 | 27.1 | 27.6 | 26.7                                   | 27.1 | 27.2 | 27.6 | 28.1 |  |
| Variation der Beobachterposition für Leuchtenabstände S      |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
| S = 1.0H                                                     |     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |  |
| S = 1.5H                                                     |     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |  |
| S = 2.0H                                                     |     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |  |
| Standardtabelle                                              |     | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |  |
| Korrektursummand                                             |     | 8.8                                   |      |      |      |      | 9.7                                    |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 3380lm Gesamtlichtstrom |     |                                       |      |      |      |      |                                        |      |      |      |      |  |

UGR-Diagramm (SHR: 0.25)

## Produktdatenblatt

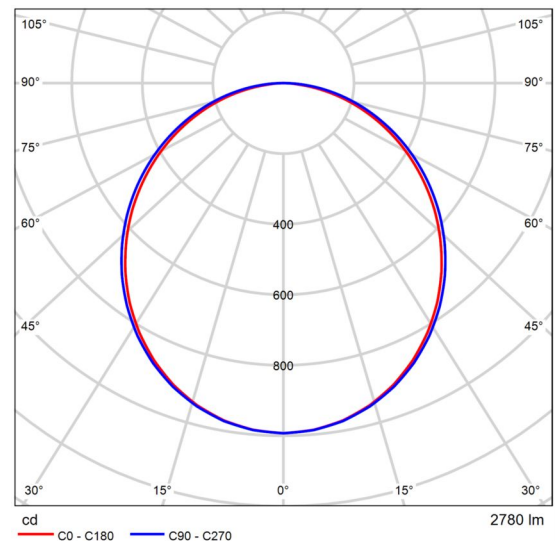
### Lightnet - Liquid Line-A4



Artikel-Nr. QA40SE-830M-L1130

|                         |            |
|-------------------------|------------|
| P                       | 19.4 W     |
| $\Phi_{\text{Lampe}}$   | –          |
| $\Phi_{\text{Leuchte}}$ | 2780 lm    |
| $\eta$                  | –          |
| Lichtausbeute           | 143.0 lm/W |
| CCT                     | 3000 K     |
| CRI                     | 82         |

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings≤ MacAdam 3. Colour rendering CRI>80, CRI>90 or Full Spectrum.



Polare LVK

| Blendungsbewertung nach UGR                                  |                                       |      |      |      |      |                                        |      |      |      |      |      |  |
|--------------------------------------------------------------|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|------|--|
| p Decke                                                      | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |      |  |
| p Wände                                                      | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |      |  |
| p Boden                                                      | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |      |  |
| Raumgröße<br>X Y                                             | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |      |  |
| 2H                                                           | 2H                                    | 21.3 | 22.7 | 21.6 | 22.9 | 23.2                                   | 21.5 | 22.9 | 21.8 | 23.1 | 23.4 |  |
|                                                              | 3H                                    | 22.9 | 24.1 | 23.2 | 24.4 | 24.7                                   | 23.2 | 24.4 | 23.5 | 24.7 | 25.0 |  |
|                                                              | 4H                                    | 23.5 | 24.7 | 23.9 | 25.0 | 25.3                                   | 23.9 | 25.1 | 24.3 | 25.4 | 25.7 |  |
|                                                              | 6H                                    | 24.0 | 25.1 | 24.4 | 25.4 | 25.7                                   | 24.5 | 25.6 | 24.9 | 25.9 | 26.2 |  |
|                                                              | 8H                                    | 24.1 | 25.2 | 24.5 | 25.5 | 25.8                                   | 24.7 | 25.8 | 25.1 | 26.1 | 26.4 |  |
| 4H                                                           | 12H                                   | 24.2 | 25.2 | 24.6 | 25.5 | 25.9                                   | 24.9 | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 2H                                    | 22.0 | 23.2 | 22.4 | 23.5 | 23.8                                   | 22.2 | 23.4 | 22.5 | 23.7 | 23.9 |  |
|                                                              | 3H                                    | 23.8 | 24.8 | 24.2 | 25.1 | 25.5                                   | 24.1 | 25.1 | 24.4 | 25.4 | 25.7 |  |
|                                                              | 4H                                    | 24.6 | 25.5 | 25.0 | 25.8 | 26.2                                   | 24.9 | 25.8 | 25.3 | 26.2 | 26.6 |  |
|                                                              | 6H                                    | 25.2 | 26.0 | 25.6 | 26.3 | 26.7                                   | 25.6 | 26.4 | 26.1 | 26.8 | 27.2 |  |
| 8H                                                           | 12H                                   | 25.4 | 26.1 | 25.8 | 26.5 | 26.9                                   | 25.9 | 26.7 | 26.4 | 27.1 | 27.5 |  |
|                                                              | 2H                                    | 25.4 | 26.1 | 25.9 | 26.5 | 27.0                                   | 26.1 | 26.8 | 26.6 | 27.2 | 27.7 |  |
|                                                              | 4H                                    | 24.9 | 25.7 | 25.4 | 26.1 | 26.5                                   | 25.2 | 26.0 | 25.7 | 26.4 | 26.8 |  |
|                                                              | 6H                                    | 25.7 | 26.3 | 26.1 | 26.7 | 27.2                                   | 26.1 | 26.7 | 26.6 | 27.2 | 27.6 |  |
|                                                              | 8H                                    | 25.9 | 26.5 | 26.4 | 26.9 | 27.4                                   | 26.5 | 27.0 | 27.0 | 27.5 | 28.0 |  |
| 12H                                                          | 12H                                   | 26.1 | 26.5 | 26.6 | 27.0 | 27.5                                   | 26.8 | 27.2 | 27.3 | 27.7 | 28.2 |  |
|                                                              | 4H                                    | 24.9 | 25.6 | 25.4 | 26.0 | 26.5                                   | 25.3 | 25.9 | 25.7 | 26.3 | 26.8 |  |
|                                                              | 6H                                    | 25.7 | 26.3 | 26.2 | 26.7 | 27.2                                   | 26.2 | 26.7 | 26.7 | 27.2 | 27.6 |  |
| 8H                                                           | 26.1                                  | 26.5 | 26.5 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.5 | 28.0 |      |  |
| Variation der Beobachterposition für Leuchtenabstände S      |                                       |      |      |      |      |                                        |      |      |      |      |      |  |
| S = 1.0H                                                     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |      |  |
| S = 1.5H                                                     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |      |  |
| S = 2.0H                                                     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |      |  |
| Standardtabelle                                              | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |      |  |
| Korrektursummand                                             | 8.8                                   |      |      |      |      | 9.6                                    |      |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 2780lm Gesamtlichtstrom |                                       |      |      |      |      |                                        |      |      |      |      |      |  |

UGR-Diagramm (SHR: 0.25)

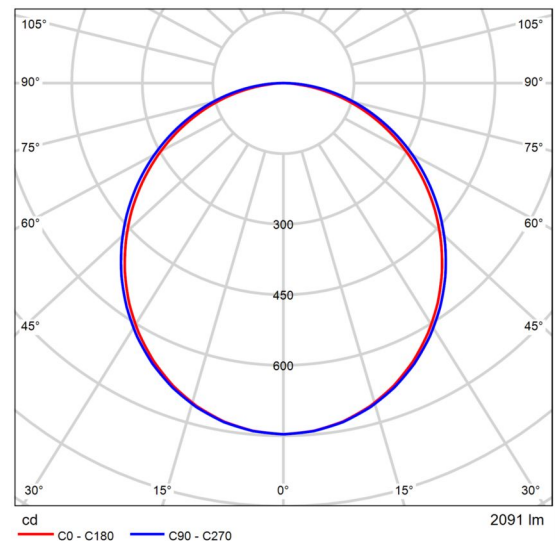
## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                  |
|-------------------------|------------------|
| Artikel-Nr.             | QA40SE-830M-L850 |
| P                       | 14.6 W           |
| $\Phi_{\text{Lampe}}$   | –                |
| $\Phi_{\text{Leuchte}}$ | 2091 lm          |
| $\eta$                  | –                |
| Lichtausbeute           | 143.0 lm/W       |
| CCT                     | 3000 K           |
| CRI                     | 82               |

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings≤ MacAdam 3. Colour rendering CRI>80, CRI>90 or Full Spectrum.



Polare LVK

| Blendungsbewertung nach UGR                                  |                                       |      |      |      |      |                                        |      |      |      |      |      |  |
|--------------------------------------------------------------|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|------|--|
| p Decke                                                      | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |      |  |
| p Wände                                                      | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |      |  |
| p Boden                                                      | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |      |  |
| Raumgröße<br>X Y                                             | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |      |  |
| 2H                                                           | 2H                                    | 21.3 | 22.7 | 21.6 | 22.9 | 23.2                                   | 21.5 | 22.9 | 21.8 | 23.1 | 23.4 |  |
|                                                              | 3H                                    | 22.9 | 24.1 | 23.2 | 24.4 | 24.7                                   | 23.2 | 24.4 | 23.5 | 24.7 | 25.0 |  |
|                                                              | 4H                                    | 23.5 | 24.7 | 23.9 | 25.0 | 25.3                                   | 23.9 | 25.1 | 24.3 | 25.4 | 25.7 |  |
|                                                              | 6H                                    | 24.0 | 25.1 | 24.4 | 25.4 | 25.7                                   | 24.5 | 25.6 | 24.9 | 25.9 | 26.2 |  |
|                                                              | 8H                                    | 24.1 | 25.2 | 24.5 | 25.5 | 25.8                                   | 24.7 | 25.8 | 25.1 | 26.1 | 26.4 |  |
| 4H                                                           | 12H                                   | 24.2 | 25.2 | 24.6 | 25.5 | 25.9                                   | 24.9 | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 2H                                    | 22.0 | 23.2 | 22.4 | 23.5 | 23.8                                   | 22.2 | 23.4 | 22.5 | 23.7 | 23.9 |  |
|                                                              | 3H                                    | 23.8 | 24.8 | 24.2 | 25.1 | 25.5                                   | 24.1 | 25.1 | 24.4 | 25.4 | 25.7 |  |
|                                                              | 4H                                    | 24.6 | 25.5 | 25.0 | 25.8 | 26.2                                   | 24.9 | 25.8 | 25.3 | 26.2 | 26.6 |  |
|                                                              | 6H                                    | 25.2 | 26.0 | 25.6 | 26.3 | 26.7                                   | 25.6 | 26.4 | 26.1 | 26.8 | 27.2 |  |
| 8H                                                           | 12H                                   | 25.4 | 26.1 | 25.8 | 26.5 | 26.9                                   | 25.9 | 26.7 | 26.4 | 27.1 | 27.5 |  |
|                                                              | 2H                                    | 25.4 | 26.1 | 25.9 | 26.5 | 27.0                                   | 26.1 | 26.8 | 26.6 | 27.2 | 27.7 |  |
|                                                              | 4H                                    | 24.9 | 25.7 | 25.4 | 26.1 | 26.5                                   | 25.2 | 26.0 | 25.7 | 26.4 | 26.8 |  |
|                                                              | 6H                                    | 25.7 | 26.3 | 26.1 | 26.7 | 27.2                                   | 26.1 | 26.7 | 26.6 | 27.2 | 27.6 |  |
|                                                              | 8H                                    | 25.9 | 26.5 | 26.4 | 26.9 | 27.4                                   | 26.5 | 27.0 | 27.0 | 27.5 | 28.0 |  |
| 12H                                                          | 12H                                   | 26.1 | 26.5 | 26.6 | 27.0 | 27.5                                   | 26.8 | 27.2 | 27.3 | 27.7 | 28.2 |  |
|                                                              | 4H                                    | 24.9 | 25.6 | 25.4 | 26.0 | 26.5                                   | 25.3 | 25.9 | 25.7 | 26.3 | 26.8 |  |
|                                                              | 6H                                    | 25.7 | 26.3 | 26.2 | 26.7 | 27.2                                   | 26.2 | 26.7 | 26.7 | 27.2 | 27.6 |  |
|                                                              | 8H                                    | 26.1 | 26.5 | 26.5 | 27.0 | 27.5                                   | 26.6 | 27.1 | 27.1 | 27.5 | 28.0 |  |
| Variation der Beobachterposition für Leuchtenabstände S      |                                       |      |      |      |      |                                        |      |      |      |      |      |  |
| S = 1.0H                                                     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |      |  |
| S = 1.5H                                                     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |      |  |
| S = 2.0H                                                     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |      |  |
| Standardtabelle                                              | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |      |  |
| Korrektursummand                                             | 8.8                                   |      |      |      |      | 9.6                                    |      |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 2091lm Gesamtlichtstrom |                                       |      |      |      |      |                                        |      |      |      |      |      |  |

UGR-Diagramm (SHR: 0.25)

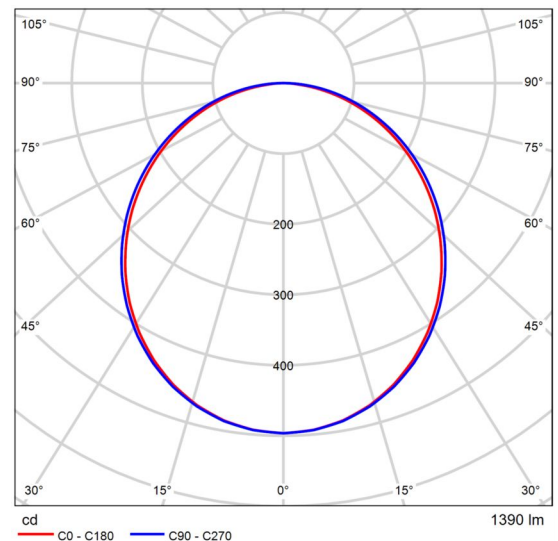
## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                  |
|-------------------------|------------------|
| Artikel-Nr.             | QA40SE-830M-L565 |
| P                       | 9.7 W            |
| $\Phi_{\text{Lampe}}$   | –                |
| $\Phi_{\text{Leuchte}}$ | 1390 lm          |
| $\eta$                  | –                |
| Lichtausbeute           | 143.0 lm/W       |
| CCT                     | 3000 K           |
| CRI                     | 82               |

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings≤ MacAdam 3. Colour rendering CRI>80, CRI>90 or Full Spectrum.



Polare LVK

| Blendungsbewertung nach UGR                                  |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
|--------------------------------------------------------------|-----|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|--|
| p Decke                                                      |     | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |  |
| p Wände                                                      |     | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |  |
| p Boden                                                      |     | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |  |
| Raumgröße<br>X Y                                             |     | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |  |
| 2H                                                           | 2H  | 21.3                                  | 22.7 | 21.6 | 22.9 | 23.2 | 21.5                                   | 22.9 | 21.8 | 23.1 | 23.4 |  |
|                                                              | 3H  | 22.9                                  | 24.1 | 23.2 | 24.4 | 24.7 | 23.2                                   | 24.4 | 23.5 | 24.7 | 25.0 |  |
|                                                              | 4H  | 23.5                                  | 24.7 | 23.9 | 25.0 | 25.3 | 23.9                                   | 25.1 | 24.3 | 25.4 | 25.7 |  |
|                                                              | 6H  | 24.0                                  | 25.1 | 24.4 | 25.4 | 25.7 | 24.5                                   | 25.6 | 24.9 | 25.9 | 26.2 |  |
|                                                              | 8H  | 24.1                                  | 25.2 | 24.5 | 25.5 | 25.8 | 24.7                                   | 25.8 | 25.1 | 26.1 | 26.4 |  |
| 4H                                                           | 12H | 24.2                                  | 25.2 | 24.6 | 25.5 | 25.9 | 24.9                                   | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 2H  | 22.0                                  | 23.2 | 22.4 | 23.5 | 23.8 | 22.2                                   | 23.4 | 22.5 | 23.7 | 23.9 |  |
|                                                              | 3H  | 23.8                                  | 24.8 | 24.2 | 25.1 | 25.5 | 24.1                                   | 25.1 | 24.4 | 25.4 | 25.7 |  |
|                                                              | 4H  | 24.6                                  | 25.5 | 25.0 | 25.8 | 26.2 | 24.9                                   | 25.8 | 25.3 | 26.2 | 26.6 |  |
|                                                              | 6H  | 25.2                                  | 26.0 | 25.6 | 26.3 | 26.7 | 25.6                                   | 26.4 | 26.1 | 26.8 | 27.2 |  |
| 8H                                                           | 12H | 25.4                                  | 26.1 | 25.8 | 26.5 | 26.9 | 25.9                                   | 26.7 | 26.4 | 27.1 | 27.5 |  |
|                                                              | 2H  | 25.4                                  | 26.1 | 25.9 | 26.5 | 27.0 | 26.1                                   | 26.8 | 26.6 | 27.2 | 27.7 |  |
|                                                              | 4H  | 24.9                                  | 25.7 | 25.4 | 26.1 | 26.5 | 25.2                                   | 26.0 | 25.7 | 26.4 | 26.8 |  |
|                                                              | 6H  | 25.7                                  | 26.3 | 26.1 | 26.7 | 27.2 | 26.1                                   | 26.7 | 26.6 | 27.2 | 27.6 |  |
|                                                              | 8H  | 25.9                                  | 26.5 | 26.4 | 26.9 | 27.4 | 26.5                                   | 27.0 | 27.0 | 27.5 | 28.0 |  |
| 12H                                                          | 12H | 26.1                                  | 26.5 | 26.6 | 27.0 | 27.5 | 26.8                                   | 27.2 | 27.3 | 27.7 | 28.2 |  |
|                                                              | 4H  | 24.9                                  | 25.6 | 25.4 | 26.0 | 26.5 | 25.3                                   | 25.9 | 25.7 | 26.3 | 26.8 |  |
|                                                              | 6H  | 25.7                                  | 26.3 | 26.2 | 26.7 | 27.2 | 26.2                                   | 26.7 | 26.7 | 27.2 | 27.6 |  |
|                                                              | 8H  | 26.1                                  | 26.5 | 26.5 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.5 | 28.0 |  |
| Variation der Beobachterposition für Leuchtenabstände S      |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
| S = 1.0H                                                     |     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |  |
| S = 1.5H                                                     |     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |  |
| S = 2.0H                                                     |     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |  |
| Standardtabelle                                              |     | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |  |
| Korrektursummand                                             |     | 8.8                                   |      |      |      |      | 9.6                                    |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 1390lm Gesamtlichtstrom |     |                                       |      |      |      |      |                                        |      |      |      |      |  |

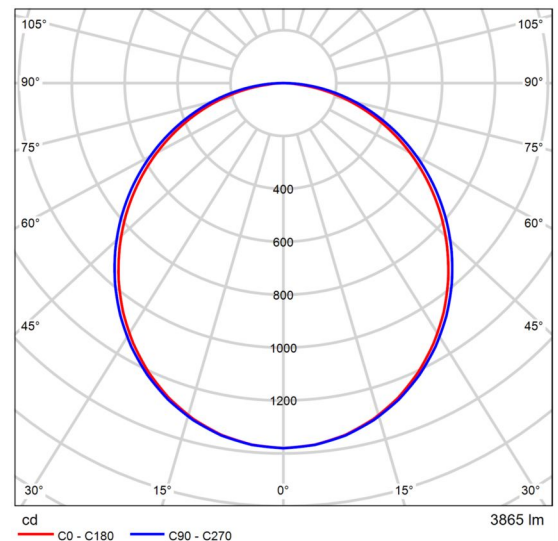
UGR-Diagramm (SHR: 0.25)

## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                            |
|-------------------------|----------------------------|
| Artikel-Nr.             | QA40SE-830M-C18-R400-L3142 |
| P                       | 54.0 W                     |
| $\Phi_{\text{Lampe}}$   | –                          |
| $\Phi_{\text{Leuchte}}$ | 7729 lm                    |
| $\eta$                  | –                          |
| Lichtausbeute           | 143.0 lm/W                 |
| CCT                     | 3000 K                     |
| CRI                     | 82                         |



Polare LVK für Lichtaustritte 1 und 2

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings  $\leq$  MacAdam 3. Colour rendering CRI > 80, CRI > 90 or Full Spectrum.

## Produktdatenblatt

Lightnet - Liquid Line-A4

| Blendungsbewertung nach UGR                                  |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
|--------------------------------------------------------------|-----|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|--|
| p Decke                                                      |     | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |  |
| p Wände                                                      |     | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |  |
| p Boden                                                      |     | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |  |
| Raumgröße<br>X Y                                             |     | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |  |
| 2H                                                           | 2H  | 21.4                                  | 22.8 | 21.7 | 23.0 | 23.2 | 21.6                                   | 23.0 | 21.9 | 23.2 | 23.5 |  |
|                                                              | 3H  | 23.0                                  | 24.2 | 23.3 | 24.5 | 24.8 | 23.3                                   | 24.5 | 23.6 | 24.8 | 25.1 |  |
|                                                              | 4H  | 23.6                                  | 24.8 | 24.0 | 25.1 | 25.4 | 24.0                                   | 25.2 | 24.4 | 25.5 | 25.8 |  |
|                                                              | 6H  | 24.1                                  | 25.2 | 24.4 | 25.5 | 25.8 | 24.6                                   | 25.7 | 24.9 | 26.0 | 26.3 |  |
|                                                              | 8H  | 24.2                                  | 25.3 | 24.6 | 25.6 | 25.9 | 24.8                                   | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 12H | 24.3                                  | 25.3 | 24.7 | 25.6 | 26.0 | 24.9                                   | 26.0 | 25.3 | 26.3 | 26.6 |  |
| 4H                                                           | 2H  | 22.1                                  | 23.3 | 22.5 | 23.6 | 23.9 | 22.3                                   | 23.5 | 22.6 | 23.7 | 24.0 |  |
|                                                              | 3H  | 23.9                                  | 24.9 | 24.3 | 25.2 | 25.6 | 24.2                                   | 25.2 | 24.5 | 25.5 | 25.8 |  |
|                                                              | 4H  | 24.7                                  | 25.6 | 25.1 | 25.9 | 26.3 | 25.0                                   | 25.9 | 25.4 | 26.3 | 26.6 |  |
|                                                              | 6H  | 25.2                                  | 26.0 | 25.7 | 26.4 | 26.8 | 25.7                                   | 26.5 | 26.2 | 26.9 | 27.3 |  |
|                                                              | 8H  | 25.4                                  | 26.2 | 25.9 | 26.6 | 27.0 | 26.0                                   | 26.8 | 26.5 | 27.1 | 27.6 |  |
|                                                              | 12H | 25.5                                  | 26.2 | 26.0 | 26.6 | 27.1 | 26.2                                   | 26.9 | 26.7 | 27.3 | 27.7 |  |
| 8H                                                           | 4H  | 25.0                                  | 25.7 | 25.4 | 26.1 | 26.6 | 25.3                                   | 26.1 | 25.8 | 26.5 | 26.9 |  |
|                                                              | 6H  | 25.7                                  | 26.4 | 26.2 | 26.8 | 27.2 | 26.2                                   | 26.8 | 26.7 | 27.2 | 27.7 |  |
|                                                              | 8H  | 26.0                                  | 26.6 | 26.5 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.6 | 28.0 |  |
|                                                              | 12H | 26.2                                  | 26.6 | 26.7 | 27.1 | 27.6 | 26.9                                   | 27.3 | 27.4 | 27.8 | 28.3 |  |
| 12H                                                          | 4H  | 25.0                                  | 25.7 | 25.5 | 26.1 | 26.6 | 25.3                                   | 26.0 | 25.8 | 26.4 | 26.9 |  |
|                                                              | 6H  | 25.8                                  | 26.4 | 26.3 | 26.8 | 27.3 | 26.3                                   | 26.8 | 26.7 | 27.3 | 27.7 |  |
|                                                              | 8H  | 26.1                                  | 26.6 | 26.6 | 27.1 | 27.6 | 26.7                                   | 27.1 | 27.2 | 27.6 | 28.1 |  |
| Variation der Beobachterposition für Leuchtenabstände S      |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
| S = 1.0H                                                     |     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |  |
| S = 1.5H                                                     |     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |  |
| S = 2.0H                                                     |     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |  |
| Standardtabelle                                              |     | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |  |
| Korrektursummand                                             |     | 8.8                                   |      |      |      |      | 9.7                                    |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 3865lm Gesamtlichtstrom |     |                                       |      |      |      |      |                                        |      |      |      |      |  |

UGR-Diagramm für Lichtaustritte 1 und 2 (SHR: 0.25)

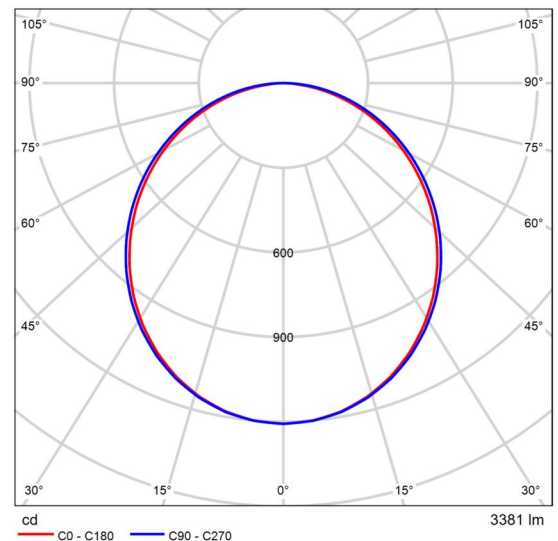


## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                            |
|-------------------------|----------------------------|
| Artikel-Nr.             | QA40SE-830M-C18-R350-L2749 |
| P                       | 47.3 W                     |
| $\Phi_{\text{Lampe}}$   | –                          |
| $\Phi_{\text{Leuchte}}$ | 6763 lm                    |
| $\eta$                  | –                          |
| Lichtausbeute           | 143.0 lm/W                 |
| CCT                     | 3000 K                     |
| CRI                     | 82                         |



Polare LVK für Lichtaustritte 1 und 2

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings  $\leq$  MacAdam 3. Colour rendering CRI > 80, CRI > 90 or Full Spectrum.

## Produktdatenblatt

Lightnet - Liquid Line-A4

| Blendungsbewertung nach UGR                                  |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
|--------------------------------------------------------------|-----|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|--|
| p Decke                                                      |     | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |  |
| p Wände                                                      |     | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |  |
| p Boden                                                      |     | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |  |
| Raumgröße<br>X Y                                             |     | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |  |
| 2H                                                           | 2H  | 21.4                                  | 22.8 | 21.7 | 23.0 | 23.2 | 21.6                                   | 23.0 | 21.9 | 23.2 | 23.5 |  |
|                                                              | 3H  | 23.0                                  | 24.2 | 23.3 | 24.5 | 24.8 | 23.3                                   | 24.5 | 23.6 | 24.8 | 25.1 |  |
|                                                              | 4H  | 23.6                                  | 24.8 | 24.0 | 25.1 | 25.4 | 24.0                                   | 25.2 | 24.4 | 25.5 | 25.8 |  |
|                                                              | 6H  | 24.1                                  | 25.2 | 24.4 | 25.5 | 25.8 | 24.6                                   | 25.7 | 24.9 | 26.0 | 26.3 |  |
|                                                              | 8H  | 24.2                                  | 25.3 | 24.6 | 25.6 | 25.9 | 24.8                                   | 25.9 | 25.2 | 26.2 | 26.5 |  |
|                                                              | 12H | 24.3                                  | 25.3 | 24.7 | 25.6 | 26.0 | 24.9                                   | 26.0 | 25.3 | 26.3 | 26.6 |  |
| 4H                                                           | 2H  | 22.1                                  | 23.3 | 22.5 | 23.6 | 23.9 | 22.3                                   | 23.5 | 22.6 | 23.7 | 24.0 |  |
|                                                              | 3H  | 23.9                                  | 24.9 | 24.3 | 25.2 | 25.6 | 24.2                                   | 25.2 | 24.5 | 25.5 | 25.8 |  |
|                                                              | 4H  | 24.7                                  | 25.6 | 25.1 | 25.9 | 26.3 | 25.0                                   | 25.9 | 25.4 | 26.3 | 26.6 |  |
|                                                              | 6H  | 25.2                                  | 26.0 | 25.7 | 26.4 | 26.8 | 25.7                                   | 26.5 | 26.2 | 26.9 | 27.3 |  |
|                                                              | 8H  | 25.4                                  | 26.2 | 25.9 | 26.6 | 27.0 | 26.0                                   | 26.8 | 26.4 | 27.1 | 27.6 |  |
|                                                              | 12H | 25.5                                  | 26.2 | 26.0 | 26.6 | 27.1 | 26.2                                   | 26.9 | 26.7 | 27.3 | 27.7 |  |
| 8H                                                           | 4H  | 25.0                                  | 25.7 | 25.4 | 26.1 | 26.6 | 25.3                                   | 26.1 | 25.8 | 26.5 | 26.9 |  |
|                                                              | 6H  | 25.7                                  | 26.4 | 26.2 | 26.8 | 27.2 | 26.2                                   | 26.8 | 26.7 | 27.2 | 27.7 |  |
|                                                              | 8H  | 26.0                                  | 26.5 | 26.4 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.6 | 28.0 |  |
|                                                              | 12H | 26.2                                  | 26.6 | 26.7 | 27.1 | 27.6 | 26.9                                   | 27.3 | 27.4 | 27.8 | 28.3 |  |
| 12H                                                          | 4H  | 25.0                                  | 25.7 | 25.5 | 26.1 | 26.6 | 25.3                                   | 26.0 | 25.8 | 26.4 | 26.9 |  |
|                                                              | 6H  | 25.8                                  | 26.4 | 26.3 | 26.8 | 27.3 | 26.3                                   | 26.8 | 26.7 | 27.3 | 27.7 |  |
|                                                              | 8H  | 26.1                                  | 26.6 | 26.6 | 27.1 | 27.6 | 26.7                                   | 27.1 | 27.2 | 27.6 | 28.1 |  |
| Variation der Beobachterposition für Leuchtenabstände S      |     |                                       |      |      |      |      |                                        |      |      |      |      |  |
| S = 1.0H                                                     |     | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |  |
| S = 1.5H                                                     |     | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |  |
| S = 2.0H                                                     |     | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |  |
| Standardtabelle                                              |     | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |  |
| Korrektursummand                                             |     | 8.8                                   |      |      |      |      | 9.7                                    |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 3381lm Gesamtlichtstrom |     |                                       |      |      |      |      |                                        |      |      |      |      |  |

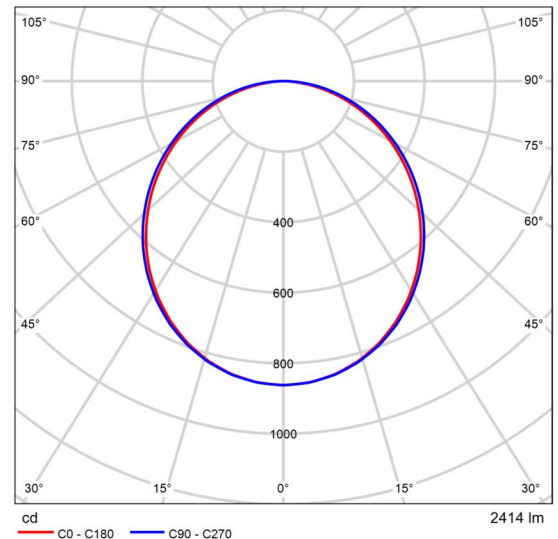
UGR-Diagramm für Lichtaustritte 1 und 2 (SHR: 0.25)

## Produktdatenblatt

### Lightnet - Liquid Line-A4



|                         |                            |
|-------------------------|----------------------------|
| Artikel-Nr.             | QA40SE-830M-C18-R250-L1963 |
| P                       | 33.8 W                     |
| $\Phi_{\text{Lampe}}$   | –                          |
| $\Phi_{\text{Leuchte}}$ | 4829 lm                    |
| $\eta$                  | –                          |
| Lichtausbeute           | 143.0 lm/W                 |
| CCT                     | 3000 K                     |
| CRI                     | 82                         |



Polare LVK für Lichtaustritte 1 und 2

LED surface mounted light system. Direct only light distribution. Highly flexible system consisting of linear elements, vertically and horizontally curved elements and Y- and X-connectors. Each module is designed as a stand-alone luminaire with an integrated driver and can be connected to the other modules using a intelligent connector system to create any desired lighting structure. Millimetre-precise length production as well as special curves possible thanks to intelligent software-based production system. Based on customer specification, Lightnet creates technical drawings of the desired structure for review and approval with the drawings almost 100% true to the required design. Luminaire body with smooth bends made of aluminium profile with 60mm profile width, crafted in one piece with no visible seams at the ends. Surface white, silver, graphite, black, champagne or copper coated. Further surface options see Lightnet-Surface-Collection or RAL of your choice. Microprismatic screen with optimized glare reduction especially for workplaces. Satin opal diffuser for general lighting. Driver optionally switchable or dimmable (DALI, Touch-Dim, Casambi). Colour temperature 2200K, 2700K, 3000K, 3500K, 4000K or 6500K. Binings  $\leq$  MacAdam 3. Colour rendering CRI > 80, CRI > 90 or Full Spectrum.

## Produktdatenblatt

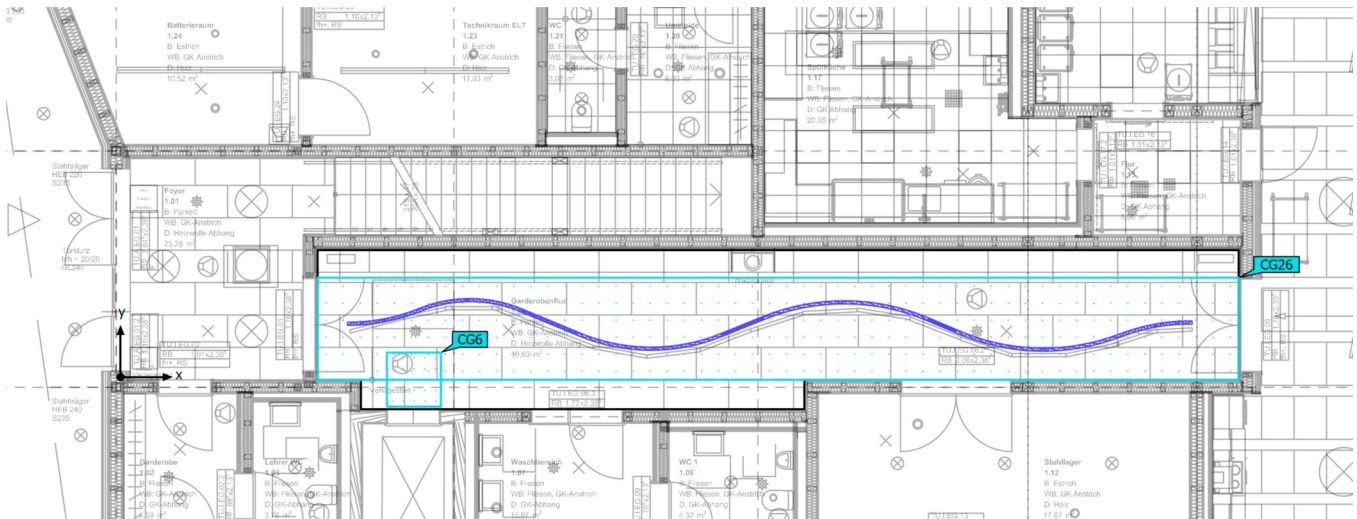
Lightnet - Liquid Line-A4

| Blendungsbewertung nach UGR                                  |      |                                       |      |      |      |      |                                        |      |      |      |      |  |
|--------------------------------------------------------------|------|---------------------------------------|------|------|------|------|----------------------------------------|------|------|------|------|--|
| p Decke                                                      |      | 70                                    | 70   | 50   | 50   | 30   | 70                                     | 70   | 50   | 50   | 30   |  |
| p Wände                                                      |      | 50                                    | 30   | 50   | 30   | 30   | 50                                     | 30   | 50   | 30   | 30   |  |
| p Boden                                                      |      | 20                                    | 20   | 20   | 20   | 20   | 20                                     | 20   | 20   | 20   | 20   |  |
| Raumgröße<br>X Y                                             |      | Blickrichtung quer<br>zur Lampenachse |      |      |      |      | Blickrichtung längs<br>zur Lampenachse |      |      |      |      |  |
| 2H                                                           | 2H   | 21.4                                  | 22.8 | 21.7 | 23.0 | 23.2 | 21.6                                   | 23.0 | 21.9 | 23.2 | 23.5 |  |
|                                                              | 3H   | 23.0                                  | 24.2 | 23.3 | 24.5 | 24.7 | 23.3                                   | 24.5 | 23.6 | 24.8 | 25.1 |  |
|                                                              | 4H   | 23.6                                  | 24.8 | 24.0 | 25.1 | 25.4 | 24.0                                   | 25.2 | 24.3 | 25.5 | 25.8 |  |
|                                                              | 6H   | 24.1                                  | 25.2 | 24.4 | 25.5 | 25.8 | 24.6                                   | 25.7 | 24.9 | 26.0 | 26.3 |  |
|                                                              | 8H   | 24.2                                  | 25.3 | 24.6 | 25.6 | 25.9 | 24.8                                   | 25.9 | 25.2 | 26.2 | 26.5 |  |
| 12H                                                          | 24.3 | 25.3                                  | 24.7 | 25.6 | 26.0 | 24.9 | 26.0                                   | 25.3 | 26.3 | 26.6 |      |  |
| 4H                                                           | 2H   | 22.1                                  | 23.3 | 22.5 | 23.6 | 23.9 | 22.3                                   | 23.5 | 22.6 | 23.7 | 24.0 |  |
|                                                              | 3H   | 23.9                                  | 24.9 | 24.3 | 25.2 | 25.5 | 24.2                                   | 25.2 | 24.5 | 25.5 | 25.8 |  |
|                                                              | 4H   | 24.7                                  | 25.6 | 25.1 | 25.9 | 26.3 | 25.0                                   | 25.9 | 25.4 | 26.3 | 26.6 |  |
|                                                              | 6H   | 25.2                                  | 26.0 | 25.7 | 26.4 | 26.8 | 25.7                                   | 26.5 | 26.2 | 26.9 | 27.3 |  |
|                                                              | 8H   | 25.4                                  | 26.2 | 25.9 | 26.6 | 27.0 | 26.0                                   | 26.8 | 26.4 | 27.1 | 27.6 |  |
| 12H                                                          | 25.5 | 26.2                                  | 26.0 | 26.6 | 27.1 | 26.2 | 26.9                                   | 26.7 | 27.3 | 27.7 |      |  |
| 8H                                                           | 4H   | 25.0                                  | 25.7 | 25.4 | 26.1 | 26.6 | 25.3                                   | 26.1 | 25.8 | 26.5 | 26.9 |  |
|                                                              | 6H   | 25.7                                  | 26.4 | 26.2 | 26.8 | 27.2 | 26.2                                   | 26.8 | 26.7 | 27.2 | 27.7 |  |
|                                                              | 8H   | 26.0                                  | 26.5 | 26.5 | 27.0 | 27.5 | 26.6                                   | 27.1 | 27.1 | 27.6 | 28.0 |  |
|                                                              | 12H  | 26.2                                  | 26.6 | 26.6 | 27.1 | 27.6 | 26.9                                   | 27.3 | 27.4 | 27.8 | 28.3 |  |
|                                                              | 12H  | 25.0                                  | 25.7 | 25.5 | 26.1 | 26.6 | 25.3                                   | 26.0 | 25.8 | 26.4 | 26.9 |  |
| 6H                                                           | 25.8 | 26.4                                  | 26.3 | 26.8 | 27.3 | 26.3 | 26.8                                   | 26.7 | 27.3 | 27.7 |      |  |
| 8H                                                           | 26.1 | 26.6                                  | 26.6 | 27.1 | 27.6 | 26.7 | 27.1                                   | 27.2 | 27.6 | 28.1 |      |  |
| Variation der Beobachterposition für Leuchtenabstände S      |      |                                       |      |      |      |      |                                        |      |      |      |      |  |
| S = 1.0H                                                     |      | +0.1 / -0.1                           |      |      |      |      | +0.1 / -0.1                            |      |      |      |      |  |
| S = 1.5H                                                     |      | +0.2 / -0.3                           |      |      |      |      | +0.2 / -0.3                            |      |      |      |      |  |
| S = 2.0H                                                     |      | +0.4 / -0.6                           |      |      |      |      | +0.3 / -0.6                            |      |      |      |      |  |
| Standardtabelle                                              |      | BK06                                  |      |      |      |      | BK07                                   |      |      |      |      |  |
| Korrektursummand                                             |      | 8.8                                   |      |      |      |      | 9.7                                    |      |      |      |      |  |
| Korrigierte Blendindizes bezogen auf 2414lm Gesamtlichtstrom |      |                                       |      |      |      |      |                                        |      |      |      |      |  |

UGR-Diagramm für Lichtaustritte 1 und 2 (SHR: 0.25)

Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Zusammenfassung



|                 |                                                   |                 |         |
|-----------------|---------------------------------------------------|-----------------|---------|
| Grundfläche     | 45.39 m <sup>2</sup>                              |                 |         |
| Reflexionsgrade | Decke: 70.0 %,<br>Wände: 50.0 %,<br>Boden: 20.0 % | Lichte Raumhöhe | 2.605 m |
| Wartungsfaktor  | 0.80 (pauschal)                                   | Montagehöhe     | 2.605 m |

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## Zusammenfassung

### Ergebnisse

|                                   | Größe                      | Berechnet             | Soll            | Check | Index |
|-----------------------------------|----------------------------|-----------------------|-----------------|-------|-------|
| Blendungsbewertung <sup>(1)</sup> | R <sub>UG, max</sub>       | 25                    | ≤ 25            | ✓     |       |
| Energiebewertung <sup>(2)</sup>   | Bedarf                     | 231 kWh/a             | max. 1600 kWh/a | ✓     |       |
| Bereich                           | Spezifischer Anschlusswert | 6.17 W/m <sup>2</sup> | –               |       |       |

(1) Basiert auf einem Bereich der Größe 17.049 m x 2.945 m und SHR von 0.25.

(2) Berechnet nach DIN:18599-4.

Nutzungsprofil: Allgemeine Bereiche in Gebäuden - Pausen-, Sanitär- und Erste-Hilfe-Räume (10.4 Garderobe (Bereich), Waschräume, Badezimmer, Ankleide-, Schließfach-, Dusch-, Wasch- und Toilettenbereiche)

### Leuchtenliste

| Stk. | Hersteller | Artikel-Nr.                | Artikelname    | R <sub>UG</sub> | P      | Φ       | Lichtausbeute |
|------|------------|----------------------------|----------------|-----------------|--------|---------|---------------|
| 2    | Lightnet   | QA4OSE-830M-C16-R350-L1374 | Liquid Line-A4 | 25              | 23.6 W | 3380 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-C18-R250-L1963 | Liquid Line-A4 | –               | 33.8 W | 4829 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-C18-R350-L2749 | Liquid Line-A4 | –               | 47.3 W | 6763 lm | 143.0 lm/W    |
| 2    | Lightnet   | QA4OSE-830M-C18-R400-L3142 | Liquid Line-A4 | –               | 54.0 W | 7729 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-L1130          | Liquid Line-A4 | 25              | 19.4 W | 2780 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-L565           | Liquid Line-A4 | 25              | 9.7 W  | 1390 lm | 143.0 lm/W    |

Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Zusammenfassung

### Leuchtenliste

| Stk. | Hersteller | Artikel-Nr.              | Artikelname    | R <sub>UG</sub> | P      | Φ       | Lichtausbeute |
|------|------------|--------------------------|----------------|-----------------|--------|---------|---------------|
| 1    | Lightnet   | QA4OSE-<br>830M-<br>L850 | Liquid Line-A4 | 25              | 14.6 W | 2091 lm | 143.0 lm/W    |

Hauptgebäude · EG · Garderobenflur 1.06

**Leuchtenliste** $\Phi_{\text{gesamt}}$ 

40071 lm

 $P_{\text{gesamt}}$ 

280.0 W

Lichtausbeute

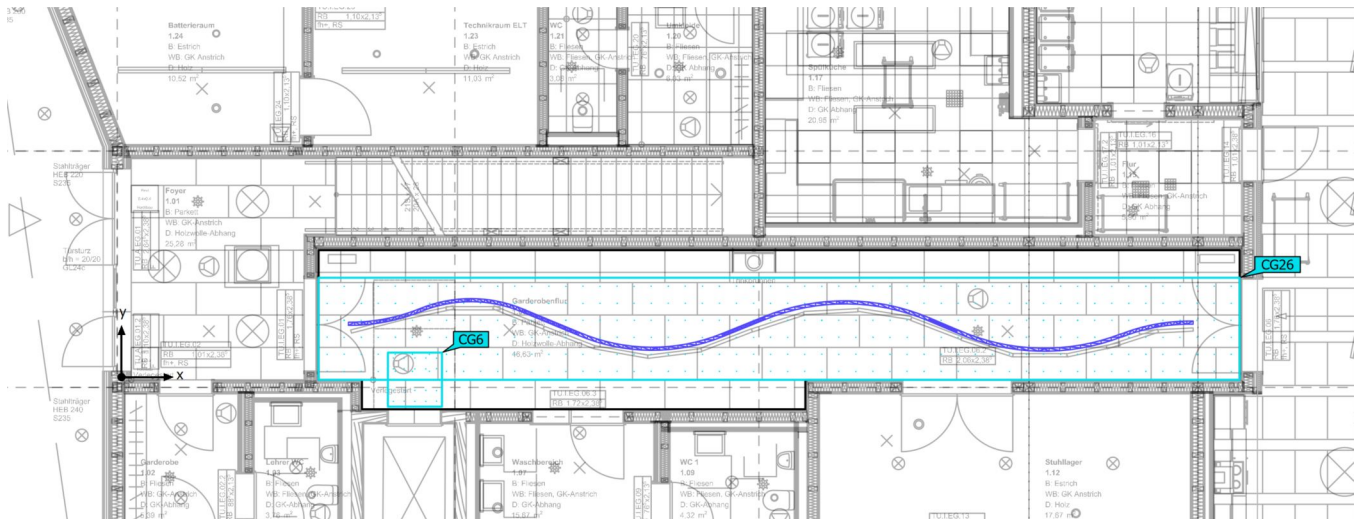
143.1 lm/W

| Stk. | Hersteller | Artikel-Nr.                | Artikelname    | P      | $\Phi$  | Lichtausbeute |
|------|------------|----------------------------|----------------|--------|---------|---------------|
| 2    | Lightnet   | QA4OSE-830M-C16-R350-L1374 | Liquid Line-A4 | 23.6 W | 3380 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-C18-R250-L1963 | Liquid Line-A4 | 33.8 W | 4829 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-C18-R350-L2749 | Liquid Line-A4 | 47.3 W | 6763 lm | 143.0 lm/W    |
| 2    | Lightnet   | QA4OSE-830M-C18-R400-L3142 | Liquid Line-A4 | 54.0 W | 7729 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-L1130          | Liquid Line-A4 | 19.4 W | 2780 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-L565           | Liquid Line-A4 | 9.7 W  | 1390 lm | 143.0 lm/W    |
| 1    | Lightnet   | QA4OSE-830M-L850           | Liquid Line-A4 | 14.6 W | 2091 lm | 143.0 lm/W    |



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## Berechnungsobjekte



Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Berechnungsobjekte

### Berechnungsflächen

| Eigenschaften                                                                                      | $\bar{E}$ | $E_{min}$ | $E_{max}$ | $U_0 (g_1)$ | $g_2$ | Index |
|----------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-------------|-------|-------|
| Aufzug ( $E > 200$ lx, $U_0 > 0,4$ , UGR Senkrechte<br>Beleuchtungsstärke<br>Höhe: 1.400 m         | 220 lx    | 142 lx    | 328 lx    | 0.65        | 0.43  | CG6   |
| Garderobenflur ( $E > 200$ lx, $U_0 > 0,4$ , UGR Senkrechte<br>Beleuchtungsstärke<br>Höhe: 0.000 m | 297 lx    | 131 lx    | 361 lx    | 0.44        | 0.36  | CG26  |

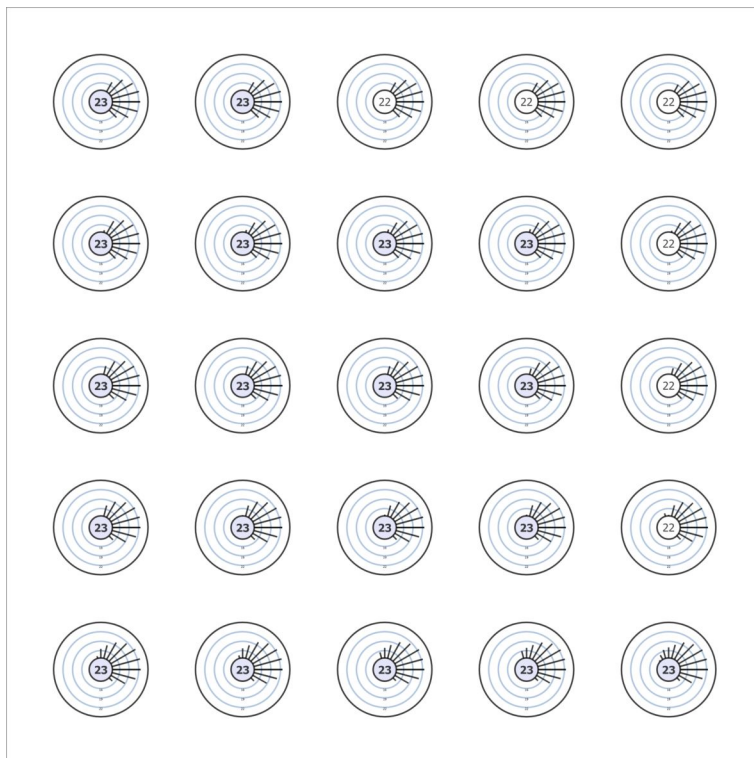
Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Berechnungsobjekte

Aufzug (E>200 lx, U0>0,4, UGR

Größte Blendung bei 15°

|                    |           |
|--------------------|-----------|
| max                | 22.9      |
| Soll               | ≤ 25.0    |
| Blickwinkelbereich | 0° - 360° |
| Schrittweite       | 15°       |
| Höhe               | 0.000 m   |
| Index              | CG6       |



Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Berechnungsobjekte

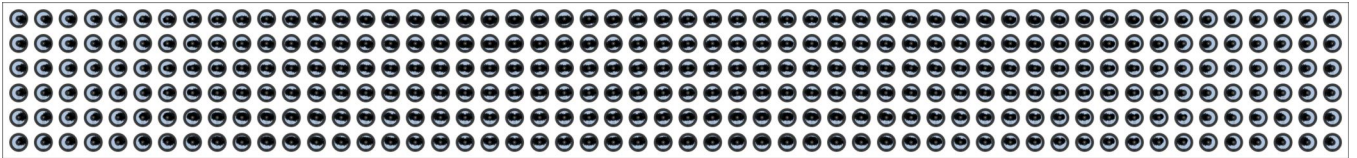
Garderobenflur ( $E > 200 \text{ lx}$ ,  $U_0 > 0,4$ ,  
UGR

|                                 |                       |
|---------------------------------|-----------------------|
| Größte Blendung bei $165^\circ$ |                       |
| max                             | 24.2                  |
| Soll                            | $\leq 25.0$           |
| Blickwinkelbereich              | $0^\circ - 360^\circ$ |
| Schrittweite                    | $15^\circ$            |
| Höhe                            | 1.400 m               |
| Index                           | CG26                  |

Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## Berechnungsobjekte

Garderobenflur ( $E > 200 \text{ lx}$ ,  $U_0 > 0,4$ , UGR)

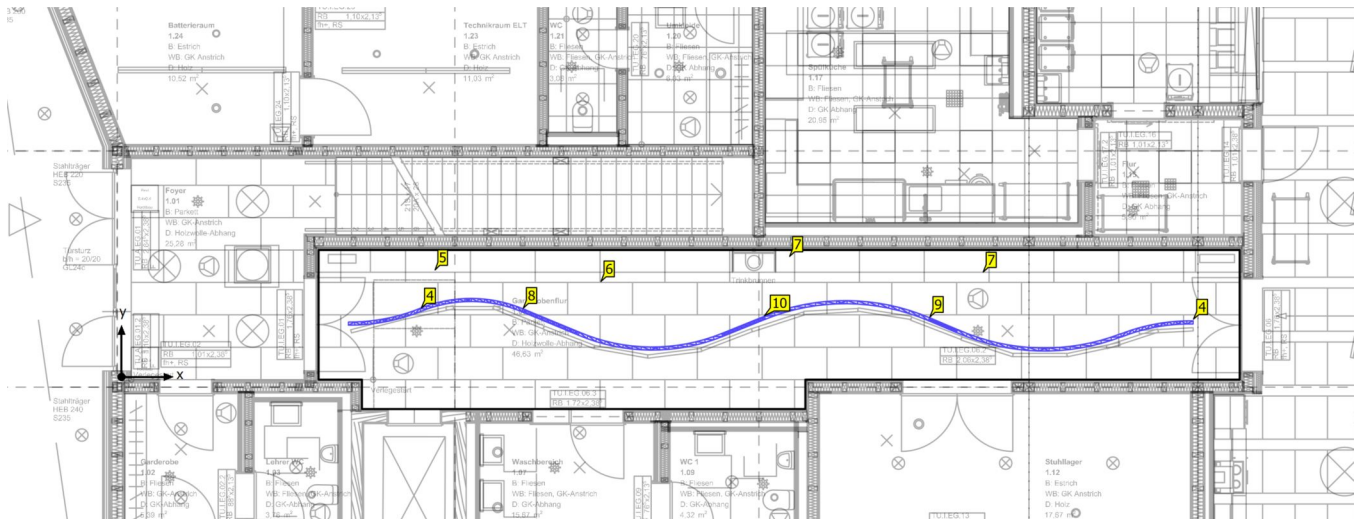


Hauptgebäude · EG · Garderobenflur 1.06 (Lichtszene 2 (Garderobenflur 1.06))

## **Berechnungsobjekte**

Nutzungsprofil: Allgemeine Bereiche in Gebäuden - Pausen-, Sanitär- und Erste-Hilfe-Räume (10.4 Garderobe (Bereich), Waschräume, Badezimmer, Ankleide-, Schließfach-, Dusch-, Wasch- und Toilettenbereiche)

Hauptgebäude · EG · Garderobenflur 1.06

**Steuergruppe CG 2**

Hauptgebäude · EG · Garderobenflur 1.06

**Steuergruppen**

|                                    |      |
|------------------------------------|------|
| Steuergruppe                       | CG 2 |
| Lichtszene 1                       | –    |
| Lichtszene 2 (Garderobenflur 1.06) | 65   |

Dimmwerte [%]

| Stk. | Hersteller | Artikel-Nr.                | Artikelname    | P      | Index |
|------|------------|----------------------------|----------------|--------|-------|
| 2    | Lightnet   | QA4OSE-830M-C16-R350-L1374 | Liquid Line-A4 | 23.6 W | 4     |
| 1    | Lightnet   | QA4OSE-830M-C18-R250-L1963 | Liquid Line-A4 | 33.8 W | 5     |
| 1    | Lightnet   | QA4OSE-830M-C18-R350-L2749 | Liquid Line-A4 | 47.3 W | 6     |
| 2    | Lightnet   | QA4OSE-830M-C18-R400-L3142 | Liquid Line-A4 | 54.0 W | 7     |
| 1    | Lightnet   | QA4OSE-830M-L1130          | Liquid Line-A4 | 19.4 W | 8     |
| 1    | Lightnet   | QA4OSE-830M-L565           | Liquid Line-A4 | 9.7 W  | 9     |
| 1    | Lightnet   | QA4OSE-830M-L850           | Liquid Line-A4 | 14.6 W | 10    |