

**Overview of product data:**  
**5DN11K78VL3W3C**
**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

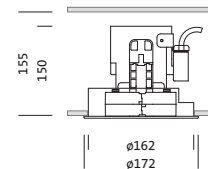
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**LED****Product description**

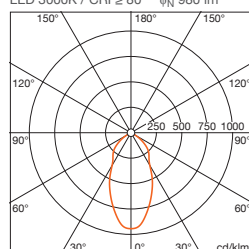
Lunis 2® mini, downlight, light control with darklight reflector, of plastic, aluminium vaporised, highly specular, CAT 2 ( $L \leq 1000 \text{ cd/m}^2$ ), light emission: direct distribution, LED light colour: 830, control gear: ECG, with Wieland GSTi3 18, 500mm cable, mains connection: 230V, AC, 50Hz, luminaire housing, of plastic, white, diameter: 172 mm, recess depth: 155 mm, clamping range: 1..40mm, mounting ring, flat, of plastic, white, protection rating (complete): IP20, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC, VDE, permissible ambient temperature for indoor applications:  $\leq +25^\circ\text{C}$



Lamps: LED  
 Socket: PHJ65-II  
 Wt. (kg): 1.5  
 Order No.: 5DN11K78VL3W3C  
 GTIN (EAN): 4050737032931

5DN11K78VL3W3C: 1x LED 3000K / CRI  $\geq 80$ 

5DN11K78VL3W3C

LED 3000K / CRI  $\geq 80$   $\phi_N$  980 lm

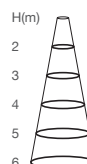
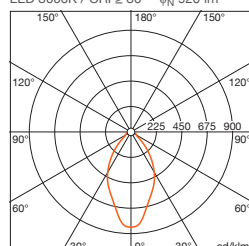
| H(m) | $\phi$ (m) | $E_{\text{max}}(\text{lx})$ | $E_{\text{m}}(\text{lx})$ |
|------|------------|-----------------------------|---------------------------|
| 2    | 1.95       | 231                         | 165                       |
| 3    | 2.93       | 103                         | 73                        |
| 4    | 3.90       | 58                          | 41                        |
| 5    | 4.88       | 37                          | 26                        |
| 6    | 5.85       | 26                          | 18                        |

| No. of luminaires in room   |     |     |     |     |     |     |     |     |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |     |     |  |
| $E_{\text{m}}(\text{lx})$   | 100 | 200 | 500 |     |     |     |     |     |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                       | 2.5 | 2.8 | 5.0 | 5.6 | 12  | 14  |     |     |  |
| 30 m²                       | 4.0 | 4.2 | 8.0 | 8.5 | 20  | 21  |     |     |  |
| 40 m²                       | 5.1 | 5.5 | 10  | 11  | 26  | 27  |     |     |  |
| 50 m²                       | 6.3 | 6.6 | 13  | 13  | 32  | 33  |     |     |  |
| 75 m²                       | 9.4 | 9.7 | 19  | 19  | 47  | 48  |     |     |  |
| 100 m²                      | 12  | 13  | 24  | 25  | 61  | 63  |     |     |  |
| 500 m²                      | 58  | 59  | 116 | 117 | 289 | 294 |     |     |  |

Maintenance factor 0.8

 $R_h = L_h$ 5DN11K78VL3W3C+5DNA220W: 1x LED 3000K / CRI  $\geq 80$ 

5DN11K78VL3W3C + 5DNA220W

LED 3000K / CRI  $\geq 80$   $\phi_N$  920 lm

| H(m) | $\phi$ (m) | $E_{\text{max}}(\text{lx})$ | $E_{\text{m}}(\text{lx})$ |
|------|------------|-----------------------------|---------------------------|
| 2    | 2.25       | 194                         | 130                       |
| 3    | 3.38       | 86                          | 58                        |
| 4    | 4.51       | 48                          | 32                        |
| 5    | 5.63       | 31                          | 21                        |
| 6    | 6.76       | 22                          | 14                        |

| No. of luminaires in room   |     |     |     |     |     |     |     |     |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |     |     |  |
| $E_{\text{m}}(\text{lx})$   | 100 | 200 | 500 |     |     |     |     |     |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                       | 2.8 | 3.1 | 5.6 | 6.2 | 14  | 15  |     |     |  |
| 30 m²                       | 4.4 | 4.9 | 8.9 | 9.7 | 22  | 24  |     |     |  |
| 40 m²                       | 5.7 | 6.2 | 11  | 12  | 29  | 31  |     |     |  |
| 50 m²                       | 7.0 | 7.5 | 14  | 15  | 35  | 37  |     |     |  |
| 75 m²                       | 10  | 11  | 21  | 22  | 52  | 55  |     |     |  |
| 100 m²                      | 13  | 14  | 27  | 28  | 67  | 71  |     |     |  |
| 500 m²                      | 63  | 65  | 127 | 130 | 317 | 324 |     |     |  |

Maintenance factor 0.8

 $R_h = L_h$ 

**5DN11K78VL3W3C**

The luminaire contains built-in LED lamps

**A++**  
**A+**  
**A**  
**B**  
**C**  
**D**  
**E**

**LED**

The LED-lamps cannot be changed in the luminaire

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You can find a complete overview of lighting technology / planning data from page 4.

Product data details:  
**5DN11K78VL3W3C**

**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

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#### Detailed technical description

##### Key data

- Product type: downlight
- Family: Lunis 2® mini
- Order No.: 5DN11K78VL3W3C

##### Lighting technology | Lamps | Control gear

##### Component 1

##### Lighting technology:

- Light control: darklight reflector of plastic, aluminium vaporised, highly specular
- Beam angle: medium distribution
- Symmetry: rotationally symmetric
- Light emission: direct distribution

##### Lamps:

- Lamps: with LED
- Socket: PHJ65-II
- Net luminous flux: 980lm
- Luminous efficacy: 61lm/W
- Colour temperature: 3000K
- Light colour: 830
- Connected load: 16W

##### Operating device:

- Control gear: ECG

##### Material | Colour

- luminaire housing: plastic, white
- mounting ring: plastic, white, flat, similar to RAL 9016

##### Mounting

- Mounting method, mounting location: recessed, in the ceiling
- Ø of ceiling cut-out: 162mm
- Clamping range: 1..40mm

##### Electrical connection

- Connection: Wieland GSTi3 18, 500mm cable
- Nominal voltage: 230V, AC, 50Hz

##### Dimensions | Weight

- Diameter: 172mm
- Height: 150mm
- Recess depth: 155mm
- Weight: 1.5kg

##### Approval

- Protection rating: IP20
- Insulation class: insulation class I (protective earthing)
- Permissible ambient temperature: ≤ +25°C
- Certification: CE, ENEC, VDE

##### Service life

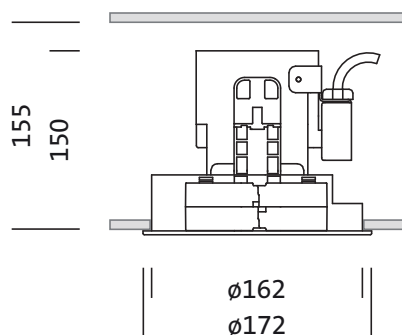
- Service life: service life = 25,000h (L70/B10), (at AT max.; 70% luminous flux)

Dimensions:

**5DN11K78VL3W3C**

**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

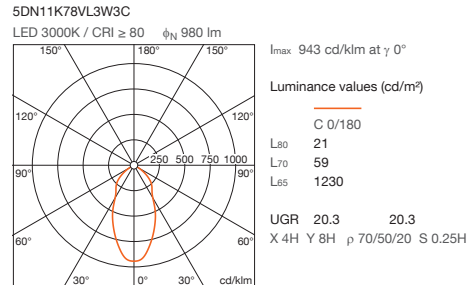
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Lighting technology / Planning data:  
**5DN11K78VL3W3C**
**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

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5DN11K78VL3W3C: 1x LED 3000K / CRI ≥ 80

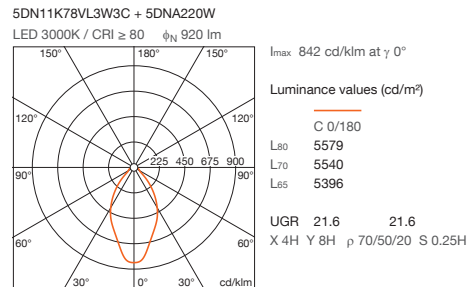


| H(m) | $\phi$ (m) | $E_{max}(lx)$ | $E_m(lx)$ |
|------|------------|---------------|-----------|
| 2    | 1.95       | 231           | 165       |
| 3    | 2.93       | 103           | 73        |
| 4    | 3.90       | 58            | 41        |
| 5    | 4.88       | 37            | 26        |
| 6    | 5.85       | 26            | 18        |

| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| $E_m(lx)$                 |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.5 | 2.8                         | 5.0 | 5.6 | 12  | 14  |  |
| 30 m²                     | 4.0 | 4.2                         | 8.0 | 8.5 | 20  | 21  |  |
| 40 m²                     | 5.1 | 5.5                         | 10  | 11  | 26  | 27  |  |
| 50 m²                     | 6.3 | 6.6                         | 13  | 13  | 32  | 33  |  |
| 75 m²                     | 9.4 | 9.7                         | 19  | 19  | 47  | 48  |  |
| 100 m²                    | 12  | 13                          | 24  | 25  | 61  | 63  |  |
| 500 m²                    | 58  | 59                          | 116 | 117 | 289 | 294 |  |

Maintenance factor 0.8 Rh = Lh

5DN11K78VL3W3C+5DNA220W: 1x LED 3000K / CRI ≥ 80

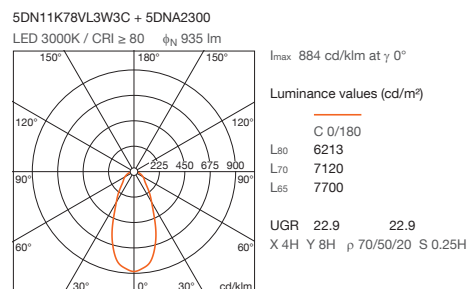


| H(m) | $\phi$ (m) | $E_{max}(lx)$ | $E_m(lx)$ |
|------|------------|---------------|-----------|
| 2    | 2.25       | 194           | 130       |
| 3    | 3.38       | 86            | 58        |
| 4    | 4.51       | 48            | 32        |
| 5    | 5.63       | 31            | 21        |
| 6    | 6.76       | 22            | 14        |

| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| $E_m(lx)$                 |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.8 | 3.1                         | 5.6 | 6.2 | 14  | 15  |  |
| 30 m²                     | 4.4 | 4.9                         | 8.9 | 9.7 | 22  | 24  |  |
| 40 m²                     | 5.7 | 6.2                         | 11  | 12  | 29  | 31  |  |
| 50 m²                     | 7.0 | 7.5                         | 14  | 15  | 35  | 37  |  |
| 75 m²                     | 10  | 11                          | 21  | 22  | 52  | 55  |  |
| 100 m²                    | 13  | 14                          | 27  | 28  | 67  | 71  |  |
| 500 m²                    | 63  | 65                          | 127 | 130 | 317 | 324 |  |

Maintenance factor 0.8 Rh = Lh

5DN11K78VL3W3C+5DNA2300: 1x LED 3000K / CRI ≥ 80

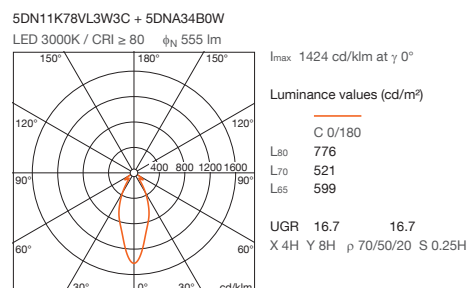


| H(m) | $\phi$ (m) | $E_{max}(lx)$ | $E_m(lx)$ |
|------|------------|---------------|-----------|
| 2    | 1.78       | 207           | 156       |
| 3    | 2.67       | 92            | 69        |
| 4    | 3.56       | 52            | 39        |
| 5    | 4.45       | 33            | 25        |
| 6    | 5.34       | 23            | 17        |

| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| $E_m(lx)$                 |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.9 | 3.3                         | 5.8 | 6.5 | 14  | 16  |  |
| 30 m²                     | 4.7 | 4.8                         | 9.5 | 9.7 | 24  | 24  |  |
| 40 m²                     | 5.8 | 6.2                         | 12  | 12  | 29  | 31  |  |
| 50 m²                     | 7.2 | 7.5                         | 14  | 15  | 36  | 38  |  |
| 75 m²                     | 11  | 11                          | 22  | 22  | 54  | 54  |  |
| 100 m²                    | 14  | 14                          | 27  | 28  | 68  | 71  |  |
| 500 m²                    | 63  | 64                          | 126 | 128 | 315 | 319 |  |

Maintenance factor 0.8 Rh = Lh

5DN11K78VL3W3C+5DNA34B0W: 1x LED 3000K / CRI ≥ 80



| H(m) | $\phi$ (m) | $E_{max}(lx)$ | $E_m(lx)$ |
|------|------------|---------------|-----------|
| 2    | 1.41       | 198           | 140       |
| 3    | 2.11       | 88            | 62        |
| 4    | 2.82       | 49            | 35        |
| 5    | 3.52       | 32            | 22        |
| 6    | 4.23       | 22            | 16        |

| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| $E_m(lx)$                 |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 4.6 | 4.9                         | 9.2 | 9.8 | 23  | 24  |  |
| 30 m²                     | 7.1 | 7.5                         | 14  | 15  | 36  | 37  |  |
| 40 m²                     | 9.2 | 9.7                         | 18  | 19  | 46  | 49  |  |
| 50 m²                     | 11  | 12                          | 23  | 24  | 57  | 59  |  |
| 75 m²                     | 17  | 17                          | 34  | 35  | 84  | 86  |  |
| 100 m²                    | 22  | 23                          | 44  | 45  | 109 | 113 |  |
| 500 m²                    | 104 | 105                         | 207 | 210 | 518 | 526 |  |

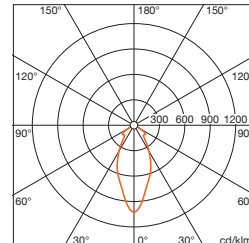
Maintenance factor 0.8 Rh = Lh

**Lighting technology / Planning data:**  
**5DN11K78VL3W3C**
**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

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5DN11K78VL3W3C+5DNA34S0W: 1x LED 3000K / CRI ≥ 80

5DN11K78VL3W3C + 5DNA34S0W

LED 3000K / CRI ≥ 80  $\phi_N$  930 lm

| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 1.67       | 238                   | 165                 |
| 3    | 2.51       | 106                   | 73                  |
| 4    | 3.35       | 60                    | 41                  |
| 5    | 4.18       | 38                    | 26                  |
| 6    | 5.02       | 26                    | 18                  |

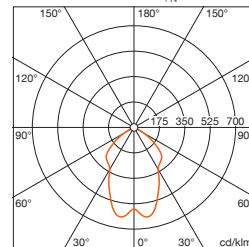
| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| E <sub>m</sub> (lx)       |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.9 | 3.2                         | 5.8 | 6.3 | 14  | 16  |  |
| 30 m²                     | 4.4 | 4.8                         | 8.9 | 9.5 | 22  | 24  |  |
| 40 m²                     | 5.7 | 6.1                         | 11  | 12  | 29  | 31  |  |
| 50 m²                     | 7.0 | 7.4                         | 14  | 15  | 35  | 37  |  |
| 75 m²                     | 10  | 11                          | 21  | 22  | 52  | 54  |  |
| 100 m²                    | 13  | 14                          | 27  | 28  | 67  | 70  |  |
| 500 m²                    | 63  | 64                          | 125 | 128 | 314 | 320 |  |

Maintenance factor 0.8

Rh = Lh

5DN11K78VL3W3C+5DNA350SW: 1x LED 3000K / CRI ≥ 80

5DN11K78VL3W3C + 5DNA350SW

LED 3000K / CRI ≥ 80  $\phi_N$  925 lm

| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 2.74       | 139                   | 95                  |
| 3    | 4.11       | 62                    | 42                  |
| 4    | 5.48       | 35                    | 24                  |
| 5    | 6.85       | 22                    | 15                  |
| 6    | 8.22       | 15                    | 11                  |

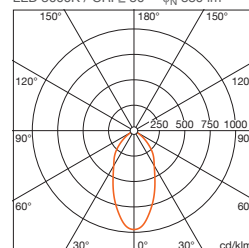
| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| E <sub>m</sub> (lx)       |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.8 | 3.3                         | 5.6 | 6.6 | 14  | 17  |  |
| 30 m²                     | 4.5 | 4.9                         | 9.0 | 9.7 | 23  | 24  |  |
| 40 m²                     | 5.7 | 6.2                         | 11  | 12  | 29  | 31  |  |
| 50 m²                     | 7.0 | 7.4                         | 14  | 15  | 35  | 37  |  |
| 75 m²                     | 10  | 11                          | 21  | 22  | 52  | 54  |  |
| 100 m²                    | 13  | 14                          | 27  | 28  | 67  | 70  |  |
| 500 m²                    | 62  | 64                          | 125 | 127 | 312 | 318 |  |

Maintenance factor 0.8

Rh = Lh

5DN11K78VL3W3C+5DNA4100: 1x LED 3000K / CRI ≥ 80

5DN11K78VL3W3C + 5DNA4100

LED 3000K / CRI ≥ 80  $\phi_N$  880 lm

| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 1.87       | 214                   | 153                 |
| 3    | 2.80       | 95                    | 68                  |
| 4    | 3.73       | 53                    | 38                  |
| 5    | 4.66       | 34                    | 24                  |
| 6    | 5.60       | 24                    | 17                  |

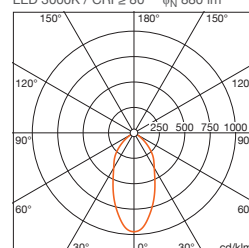
| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| E <sub>m</sub> (lx)       |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.7 | 3.1                         | 5.5 | 6.2 | 14  | 15  |  |
| 30 m²                     | 4.6 | 4.8                         | 9.2 | 9.6 | 23  | 24  |  |
| 40 m²                     | 5.8 | 6.1                         | 12  | 12  | 29  | 31  |  |
| 50 m²                     | 7.1 | 7.4                         | 14  | 15  | 35  | 37  |  |
| 75 m²                     | 11  | 11                          | 22  | 22  | 54  | 55  |  |
| 100 m²                    | 14  | 14                          | 27  | 28  | 68  | 71  |  |
| 500 m²                    | 65  | 66                          | 130 | 131 | 325 | 328 |  |

Maintenance factor 0.8

Rh = Lh

5DN11K78VL3W3C+5DNA4100W: 1x LED 3000K / CRI ≥ 80

5DN11K78VL3W3C + 5DNA4100W

LED 3000K / CRI ≥ 80  $\phi_N$  880 lm

| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 1.87       | 214                   | 153                 |
| 3    | 2.80       | 95                    | 68                  |
| 4    | 3.73       | 53                    | 38                  |
| 5    | 4.66       | 34                    | 24                  |
| 6    | 5.60       | 24                    | 17                  |

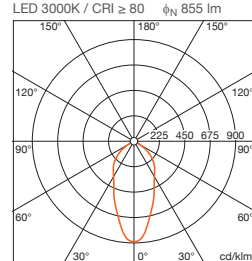
| No. of luminaires in room |     | Reflection factors 70/50/20 |     |     |     |     |  |
|---------------------------|-----|-----------------------------|-----|-----|-----|-----|--|
|                           |     | 100                         |     | 200 |     | 500 |  |
| E <sub>m</sub> (lx)       |     | 100                         | 200 | 500 |     |     |  |
| Lh(m)                     | 2.5 | 3.0                         | 2.5 | 3.0 | 2.5 | 3.0 |  |
| 20 m²                     | 2.7 | 3.1                         | 5.5 | 6.2 | 14  | 15  |  |
| 30 m²                     | 4.6 | 4.8                         | 9.2 | 9.6 | 23  | 24  |  |
| 40 m²                     | 5.8 | 6.1                         | 12  | 12  | 29  | 31  |  |
| 50 m²                     | 7.1 | 7.4                         | 14  | 15  | 35  | 37  |  |
| 75 m²                     | 11  | 11                          | 22  | 22  | 54  | 55  |  |
| 100 m²                    | 14  | 14                          | 27  | 28  | 68  | 71  |  |
| 500 m²                    | 65  | 66                          | 130 | 131 | 325 | 328 |  |

Maintenance factor 0.8

Rh = Lh

Lighting technology / Planning data:  
**5DN11K78VL3W3C**
**Lun2mn,rec,spec,med,LED980lm830,ECG,Wiel**

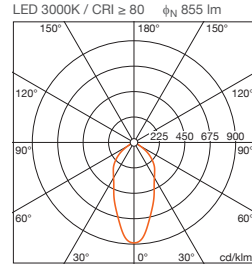
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**5DN11K78VL3W3C+5DNA410S: 1x LED 3000K / CRI ≥ 80**
**5DN11K78VL3W3C + 5DNA410S**  
 LED 3000K / CRI ≥ 80  $\Phi_N$  855 lm


| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 1.76       | 190                   | 135                 |
| 3    | 2.63       | 84                    | 60                  |
| 4    | 3.51       | 48                    | 34                  |
| 5    | 4.39       | 30                    | 22                  |
| 6    | 5.27       | 21                    | 15                  |

| No. of luminaires in room   |     |     |     |     |     |     |  |  |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|--|--|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |  |  |  |
| Em(lx) 100 200 500          |     |     |     |     |     |     |  |  |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |  |  |
| 20 m²                       | 2.9 | 3.4 | 5.9 | 6.7 | 15  | 17  |  |  |  |
| 30 m²                       | 4.9 | 5.2 | 9.8 | 10  | 25  | 26  |  |  |  |
| 40 m²                       | 6.1 | 6.6 | 12  | 13  | 31  | 33  |  |  |  |
| 50 m²                       | 7.5 | 8.0 | 15  | 16  | 38  | 40  |  |  |  |
| 75 m²                       | 11  | 12  | 23  | 23  | 57  | 58  |  |  |  |
| 100 m²                      | 14  | 15  | 29  | 30  | 72  | 75  |  |  |  |
| 500 m²                      | 67  | 68  | 135 | 137 | 337 | 342 |  |  |  |

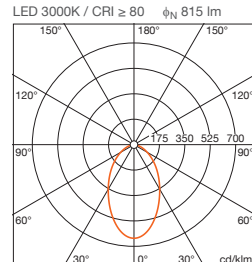
Maintenance factor 0.8 Rh = Lh

**5DN11K78VL3W3C+5DNA410SW: 1x LED 3000K / CRI ≥ 80**
**5DN11K78VL3W3C + 5DNA410SW**  
 LED 3000K / CRI ≥ 80  $\Phi_N$  855 lm


| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 1.76       | 190                   | 135                 |
| 3    | 2.63       | 84                    | 60                  |
| 4    | 3.51       | 48                    | 34                  |
| 5    | 4.39       | 30                    | 22                  |
| 6    | 5.27       | 21                    | 15                  |

| No. of luminaires in room   |     |     |     |     |     |     |  |  |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|--|--|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |  |  |  |
| Em(lx) 100 200 500          |     |     |     |     |     |     |  |  |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |  |  |
| 20 m²                       | 2.9 | 3.4 | 5.9 | 6.7 | 15  | 17  |  |  |  |
| 30 m²                       | 4.9 | 5.2 | 9.8 | 10  | 25  | 26  |  |  |  |
| 40 m²                       | 6.1 | 6.6 | 12  | 13  | 31  | 33  |  |  |  |
| 50 m²                       | 7.5 | 8.0 | 15  | 16  | 38  | 40  |  |  |  |
| 75 m²                       | 11  | 12  | 23  | 23  | 57  | 58  |  |  |  |
| 100 m²                      | 14  | 15  | 29  | 30  | 72  | 75  |  |  |  |
| 500 m²                      | 67  | 68  | 135 | 137 | 337 | 342 |  |  |  |

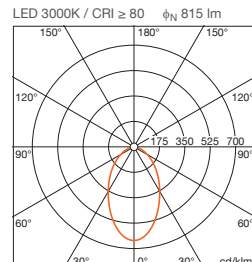
Maintenance factor 0.8 Rh = Lh

**5DN11K78VL3W3C+5DNA41SS: 1x LED 3000K / CRI ≥ 80**
**5DN11K78VL3W3C + 5DNA41SS**  
 LED 3000K / CRI ≥ 80  $\Phi_N$  815 lm


| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 2.60       | 131                   | 87                  |
| 3    | 3.90       | 58                    | 39                  |
| 4    | 5.20       | 33                    | 22                  |
| 5    | 6.49       | 21                    | 14                  |
| 6    | 7.79       | 15                    | 10                  |

| No. of luminaires in room   |     |     |     |     |     |     |  |  |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|--|--|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |  |  |  |
| Em(lx) 100 200 500          |     |     |     |     |     |     |  |  |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |  |  |
| 20 m²                       | 3.3 | 3.8 | 6.6 | 7.5 | 17  | 19  |  |  |  |
| 30 m²                       | 5.2 | 5.7 | 10  | 11  | 26  | 28  |  |  |  |
| 40 m²                       | 6.6 | 7.2 | 13  | 14  | 33  | 36  |  |  |  |
| 50 m²                       | 8.0 | 8.6 | 16  | 17  | 40  | 43  |  |  |  |
| 75 m²                       | 12  | 12  | 24  | 25  | 59  | 62  |  |  |  |
| 100 m²                      | 15  | 16  | 30  | 32  | 76  | 80  |  |  |  |
| 500 m²                      | 71  | 72  | 142 | 145 | 354 | 362 |  |  |  |

Maintenance factor 0.8 Rh = Lh

**5DN11K78VL3W3C+5DNA41SSW: 1x LED 3000K / CRI ≥ 80**
**5DN11K78VL3W3C + 5DNA41SSW**  
 LED 3000K / CRI ≥ 80  $\Phi_N$  815 lm


| H(m) | $\phi$ (m) | E <sub>max</sub> (lx) | E <sub>m</sub> (lx) |
|------|------------|-----------------------|---------------------|
| 2    | 2.60       | 131                   | 87                  |
| 3    | 3.90       | 58                    | 39                  |
| 4    | 5.20       | 33                    | 22                  |
| 5    | 6.49       | 21                    | 14                  |
| 6    | 7.79       | 15                    | 10                  |

| No. of luminaires in room   |     |     |     |     |     |     |  |  |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|--|--|--|
| Reflection factors 70/50/20 |     |     |     |     |     |     |  |  |  |
| Em(lx) 100 200 500          |     |     |     |     |     |     |  |  |  |
| Lh(m)                       | 2.5 | 3.0 | 2.5 | 3.0 | 2.5 | 3.0 |  |  |  |
| 20 m²                       | 3.3 | 3.8 | 6.6 | 7.5 | 17  | 19  |  |  |  |
| 30 m²                       | 5.2 | 5.7 | 10  | 11  | 26  | 28  |  |  |  |
| 40 m²                       | 6.6 | 7.2 | 13  | 14  | 33  | 36  |  |  |  |
| 50 m²                       | 8.0 | 8.6 | 16  | 17  | 40  | 43  |  |  |  |
| 75 m²                       | 12  | 12  | 24  | 25  | 59  | 62  |  |  |  |
| 100 m²                      | 15  | 16  | 30  | 32  | 76  | 80  |  |  |  |
| 500 m²                      | 71  | 72  | 142 | 145 | 354 | 362 |  |  |  |

Maintenance factor 0.8 Rh = Lh