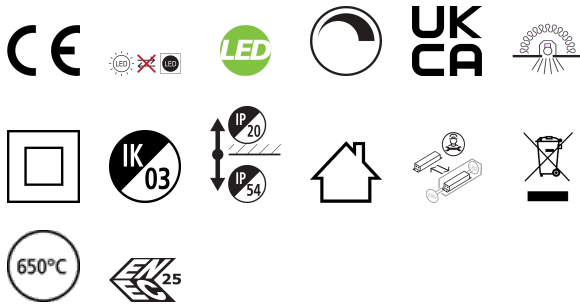


# Quantum 600X600 4700lm 840 DALI

Artikelnummer 0048107

**SYLVANIA**

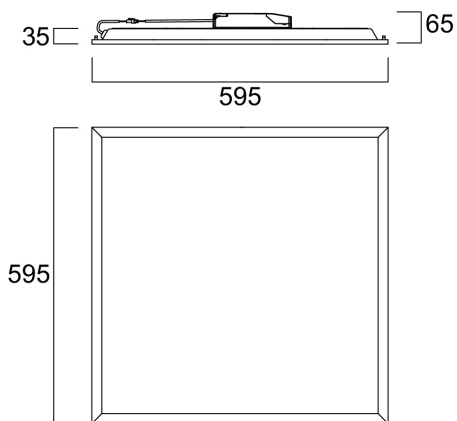
**PRO**<sup>TM</sup>



Quantum is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. Max. drive current: 600mA; Max. power: 26W; Lifespan: 100.000Hrs L80:B50; 4000K; CRI 80; Efficacy up to: 181Lm/W; Fixture lumen: 4700lm; Glare control <19; IK03; IP54 (from the front); Class II; DALI dimmable. Tp(a) rated diffuser that self-extinguishes within 5 sec when a flame has been removed. Lumen output in Emergency mode: 550lm.

## Technische gegevens

### Afmetingen (mm)



### Fotometrie

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam diameter [ft] | Beam diameter [in] | Illuminance [lx] |
|--------------|-------------------|----------------|-------------------|--------------------|--------------------|------------------|
| 0.5          | 0.59              | 60°            | 0.59              | 1.94               | 7.64               | 9573             |
| 1.0          | 1.18              | 60°            | 1.18              | 3.88               | 15.28              | 2393             |
| 1.5          | 1.77              | 60°            | 1.77              | 5.82               | 22.92              | 1595             |
| 2.0          | 2.36              | 60°            | 2.36              | 7.76               | 30.56              | 1197             |
| 2.5          | 2.95              | 60°            | 2.95              | 9.70               | 38.20              | 957              |
| 3.0          | 3.54              | 60°            | 3.54              | 11.64              | 45.84              | 798              |
| 3.5          | 4.13              | 60°            | 4.13              | 13.58              | 53.48              | 678              |
| 4.0          | 4.72              | 60°            | 4.72              | 15.52              | 61.12              | 598              |
| 4.5          | 5.31              | 60°            | 5.31              | 17.46              | 68.76              | 538              |
| 5.0          | 5.90              | 60°            | 5.90              | 19.40              | 76.40              | 488              |
| 5.5          | 6.49              | 60°            | 6.49              | 21.34              | 84.04              | 448              |
| 6.0          | 7.08              | 60°            | 7.08              | 23.28              | 91.68              | 418              |
| 6.5          | 7.67              | 60°            | 7.67              | 25.22              | 99.32              | 398              |
| 7.0          | 8.26              | 60°            | 8.26              | 27.16              | 106.96             | 378              |
| 7.5          | 8.85              | 60°            | 8.85              | 29.10              | 114.60             | 358              |
| 8.0          | 9.44              | 60°            | 9.44              | 31.04              | 122.24             | 338              |
| 8.5          | 10.03             | 60°            | 10.03             | 32.98              | 129.88             | 318              |
| 9.0          | 10.62             | 60°            | 10.62             | 34.92              | 137.52             | 298              |
| 9.5          | 11.21             | 60°            | 11.21             | 36.86              | 145.16             | 278              |
| 10.0         | 11.80             | 60°            | 11.80             | 38.80              | 152.80             | 258              |
| 10.5         | 12.39             | 60°            | 12.39             | 40.74              | 160.44             | 238              |
| 11.0         | 12.98             | 60°            | 12.98             | 42.68              | 168.08             | 218              |
| 11.5         | 13.57             | 60°            | 13.57             | 44.62              | 175.72             | 198              |
| 12.0         | 14.16             | 60°            | 14.16             | 46.56              | 183.36             | 178              |
| 12.5         | 14.75             | 60°            | 14.75             | 48.50              | 191.00             | 158              |
| 13.0         | 15.34             | 60°            | 15.34             | 50.44              | 198.64             | 138              |
| 13.5         | 15.93             | 60°            | 15.93             | 52.38              | 206.28             | 118              |
| 14.0         | 16.52             | 60°            | 16.52             | 54.32              | 213.92             | 98               |
| 14.5         | 17.11             | 60°            | 17.11             | 56.26              | 221.56             | 78               |
| 15.0         | 17.70             | 60°            | 17.70             | 58.20              | 229.20             | 58               |
| 15.5         | 18.29             | 60°            | 18.29             | 60.14              | 236.84             | 38               |
| 16.0         | 18.88             | 60°            | 18.88             | 62.08              | 244.48             | 18               |
| 16.5         | 19.47             | 60°            | 19.47             | 64.02              | 252.12             | 18               |
| 17.0         | 20.06             | 60°            | 20.06             | 65.96              | 259.76             | 18               |
| 17.5         | 20.65             | 60°            | 20.65             | 67.90              | 267.40             | 18               |
| 18.0         | 21.24             | 60°            | 21.24             | 69.84              | 275.04             | 18               |
| 18.5         | 21.83             | 60°            | 21.83             | 71.78              | 282.68             | 18               |
| 19.0         | 22.42             | 60°            | 22.42             | 73.72              | 290.32             | 18               |
| 19.5         | 23.01             | 60°            | 23.01             | 75.66              | 297.96             | 18               |
| 20.0         | 23.60             | 60°            | 23.60             | 77.60              | 305.60             | 18               |
| 20.5         | 24.19             | 60°            | 24.19             | 79.54              | 313.24             | 18               |
| 21.0         | 24.78             | 60°            | 24.78             | 81.48              | 320.88             | 18               |
| 21.5         | 25.37             | 60°            | 25.37             | 83.42              | 328.52             | 18               |
| 22.0         | 25.96             | 60°            | 25.96             | 85.36              | 336.16             | 18               |
| 22.5         | 26.55             | 60°            | 26.55             | 87.30              | 343.80             | 18               |
| 23.0         | 27.14             | 60°            | 27.14             | 89.24              | 351.44             | 18               |
| 23.5         | 27.73             | 60°            | 27.73             | 91.18              | 359.08             | 18               |
| 24.0         | 28.32             | 60°            | 28.32             | 93.12              | 366.72             | 18               |
| 24.5         | 28.91             | 60°            | 28.91             | 95.06              | 374.36             | 18               |
| 25.0         | 29.50             | 60°            | 29.50             | 97.00              | 382.00             | 18               |
| 25.5         | 30.09             | 60°            | 30.09             | 98.94              | 389.64             | 18               |
| 26.0         | 30.68             | 60°            | 30.68             | 100.88             | 397.28             | 18               |
| 26.5         | 31.27             | 60°            | 31.27             | 102.82             | 404.92             | 18               |
| 27.0         | 31.86             | 60°            | 31.86             | 104.76             | 412.56             | 18               |
| 27.5         | 32.45             | 60°            | 32.45             | 106.70             | 420.20             | 18               |
| 28.0         | 33.04             | 60°            | 33.04             | 108.64             | 427.84             | 18               |
| 28.5         | 33.63             | 60°            | 33.63             | 110.58             | 435.48             | 18               |
| 29.0         | 34.22             | 60°            | 34.22             | 112.52             | 443.12             | 18               |
| 29.5         | 34.81             | 60°            | 34.81             | 114.46             | 450.76             | 18               |
| 30.0         | 35.40             | 60°            | 35.40             | 116.40             | 458.40             | 18               |
| 30.5         | 35.99             | 60°            | 35.99             | 118.34             | 466.04             | 18               |
| 31.0         | 36.58             | 60°            | 36.58             | 120.28             | 473.68             | 18               |
| 31.5         | 37.17             | 60°            | 37.17             | 122.22             | 481.32             | 18               |
| 32.0         | 37.76             | 60°            | 37.76             | 124.16             | 488.96             | 18               |
| 32.5         | 38.35             | 60°            | 38.35             | 126.10             | 496.60             | 18               |
| 33.0         | 38.94             | 60°            | 38.94             | 128.04             | 504.24             | 18               |
| 33.5         | 39.53             | 60°            | 39.53             | 130.00             | 511.88             | 18               |
| 34.0         | 40.12             | 60°            | 40.12             | 131.94             | 519.52             | 18               |
| 34.5         | 40.71             | 60°            | 40.71             | 133.88             | 527.16             | 18               |
| 35.0         | 41.30             | 60°            | 41.30             | 135.82             | 534.80             | 18               |
| 35.5         | 41.89             | 60°            | 41.89             | 137.76             | 542.44             | 18               |
| 36.0         | 42.48             | 60°            | 42.48             | 139.70             | 550.08             | 18               |
| 36.5         | 43.07             | 60°            | 43.07             | 141.64             | 557.72             | 18               |
| 37.0         | 43.66             | 60°            | 43.66             | 143.58             | 565.36             | 18               |
| 37.5         | 44.25             | 60°            | 44.25             | 145.52             | 573.00             | 18               |
| 38.0         | 44.84             | 60°            | 44.84             | 147.46             | 580.64             | 18               |
| 38.5         | 45.43             | 60°            | 45.43             | 149.40             | 588.28             | 18               |
| 39.0         | 46.02             | 60°            | 46.02             | 151.34             | 595.92             | 18               |
| 39.5         | 46.61             | 60°            | 46.61             | 153.28             | 603.56             | 18               |
| 40.0         | 47.20             | 60°            | 47.20             | 155.22             | 611.20             | 18               |
| 40.5         | 47.79             | 60°            | 47.79             | 157.16             | 618.84             | 18               |
| 41.0         | 48.38             | 60°            | 48.38             | 159.10             | 626.48             | 18               |
| 41.5         | 48.97             | 60°            | 48.97             | 161.04             | 634.12             | 18               |
| 42.0         | 49.56             | 60°            | 49.56             | 162.98             | 641.76             | 18               |
| 42.5         | 50.15             | 60°            | 50.15             | 164.92             | 649.40             | 18               |
| 43.0         | 50.74             | 60°            | 50.74             | 166.86             | 657.04             | 18               |
| 43.5         | 51.33             | 60°            | 51.33             | 168.80             | 664.68             | 18               |
| 44.0         | 51.92             | 60°            | 51.92             | 170.74             | 672.32             | 18               |
| 44.5         | 52.51             | 60°            | 52.51             | 172.68             | 679.96             | 18               |
| 45.0         | 53.10             | 60°            | 53.10             | 174.62             | 687.60             | 18               |
| 45.5         | 53.69             | 60°            | 53.69             | 176.56             | 695.24             | 18               |
| 46.0         | 54.28             | 60°            | 54.28             | 178.50             | 702.88             | 18               |
| 46.5         | 54.87             | 60°            | 54.87             | 180.44             | 710.52             | 18               |
| 47.0         | 55.46             | 60°            | 55.46             | 182.38             | 718.16             | 18               |
| 47.5         | 56.05             | 60°            | 56.05             | 184.32             | 725.80             | 18               |
| 48.0         | 56.64             | 60°            | 56.64             | 186.26             | 733.44             | 18               |
| 48.5         | 57.23             | 60°            | 57.23             | 188.20             | 741.08             | 18               |
| 49.0         | 57.82             | 60°            | 57.82             | 190.14             | 748.72             | 18               |
| 49.5         | 58.41             | 60°            | 58.41             | 192.08             | 756.36             | 18               |
| 50.0         | 59.00             | 60°            | 59.00             | 194.02             | 764.00             | 18               |
| 50.5         | 59.59             | 60°            | 59.59             | 195.96             | 771.64             | 18               |
| 51.0         | 60.18             | 60°            | 60.18             | 197.90             | 779.28             | 18               |
| 51.5         | 60.77             | 60°            | 60.77             | 199.84             | 786.92             | 18               |
| 52.0         | 61.36             | 60°            | 61.36             | 201.78             | 794.56             | 18               |
| 52.5         | 61.95             | 60°            | 61.95             | 203.72             | 802.20             | 18               |
| 53.0         | 62.54             | 60°            | 62.54             | 205.66             | 809.84             | 18               |
| 53.5         | 63.13             | 60°            | 63.13             | 207.60             | 817.48             | 18               |
| 54.0         | 63.72             | 60°            | 63.72             | 209.54             | 825.12             | 18               |
| 54.5         | 64.31             | 60°            | 64.31             | 211.48             | 832.76             | 18               |
| 55.0         | 64.90             | 60°            | 64.90             | 213.42             | 840.40             | 18               |
| 55.5         | 65.49             | 60°            | 65.49             | 215.36             | 848.04             | 18               |
| 56.0         | 66.08             | 60°            | 66.08             | 217.30             | 855.68             | 18               |
| 56.5         | 66.67             | 60°            | 66.67             | 219.24             | 863.32             | 18               |
| 57.0         | 67.26             | 60°            | 67.26             | 221.18             | 870.96             | 18               |
| 57.5         | 67.85             | 60°            | 67.85             | 223.12             | 878.60             | 18               |
| 58.0         | 68.44             | 60°            | 68.44             | 225.06             | 886.24             | 18               |
| 58.5         | 69.03             | 60°            | 69.03             | 227.00             | 893.88             | 18               |
| 59.0         | 69.62             | 60°            | 69.62             | 228.94             | 901.52             | 18               |
| 59.5         | 70.21             | 60°            | 70.21             | 230.88             | 909.16             | 18               |
| 60.0         | 70.80             | 60°            | 70.80             | 232.82             | 916.80             | 18               |
| 60.5         | 71.39             | 60°            | 71.39             | 234.76             | 924.44             | 18               |
| 61.0         | 71.98             | 60°            | 71.98             | 236.70             | 932.08             | 18               |
| 61.5         | 72.57             | 60°            | 72.57             | 238.64             | 939.72             | 18               |
| 62.0         | 73.16             | 60°            | 73.16             | 240.58             | 947.36             | 18               |
| 62.5         | 73.75             | 60°            | 73.75             | 242.52             | 955.00             | 18               |
| 63.0         | 74.34             | 60°            | 74.34             | 244.46             | 962.64             | 18               |
| 63.5         | 74.93             | 60°            | 74.93             | 246.40             | 970.28             | 18               |
| 64.0         | 75.52             | 60°            | 75.52             | 248.34             | 977.92             | 18               |
| 64.5         | 76.11             | 60°            | 76.11             | 250.28             | 985.56             | 18               |
| 65.0         | 76.70             | 60°            | 76.70             | 252.22             | 993.20             | 18               |
| 65.5         | 77.29             | 60°            | 77.29             | 254.16             | 1000.84            | 18               |
| 66.0         | 77.88             | 60°            | 77.88             | 256.10             | 1008.48            | 18               |
| 66.5         | 78.47             | 60°            | 78.47             | 258.04             | 1016.12            | 18               |
| 67.0         | 79.06             | 60°            | 79.06             | 260.00             | 1023.76            | 18               |
| 67.5         | 79.65             | 60°            | 79.65             | 261.94             | 1031.40            | 18               |
| 68.0         | 80.24             | 60°            | 80.24             | 263.88             | 1039.04            | 18               |
| 68.5         | 80.83             | 60°            | 80.83             | 265.82             | 1046.68            | 18               |
| 69.0         | 81.42             | 60°            | 81.42             | 267.76             | 1054.32            | 18               |
| 69.5         | 82.01             | 60°            | 82.01             | 269.70             | 1061.96            | 18               |
| 70.0         | 82.60             | 60°            | 82.60             | 271.64             | 1069.60            | 18               |
| 70.5         | 83.19             | 60°            | 83.19             | 273.58             | 1077.24            | 18               |
| 71.0         | 83.78             | 60°            | 83.78             | 275.52             | 1084.88            | 18               |
| 71.5         | 84.37             | 60°            | 84.37             | 277.46             | 1092.52            | 18               |
| 72.0         | 84.96             | 60°            | 84.96             | 279.40             | 1100.16            | 18               |
| 72.5         | 85.55             | 60°            | 85.55             | 281.34             | 1107.80            | 18               |
| 73.0         | 86.14             | 60°            | 86.14             | 283.28             | 1115.44            | 18               |
| 73.5         | 86.73             | 60°            | 86.73             | 285.22             | 1123.08            | 18               |
| 74.0         | 87.32             | 60°            | 87.32             | 287.16             | 1130.72            | 18               |
| 74.5         | 87.91             | 60°            | 87.91             | 289.10             | 1138.36            | 18               |
| 75.0         | 88.50             | 60°            | 88.50             | 291.04             | 1146.00            | 18               |
| 75.5         | 89.09             | 60°            | 89.09             | 292.98             | 1153.64            | 18               |
| 76.0         | 89.68             | 60°            | 89.68             | 294.92             | 1161.28            | 18               |
| 76.5         | 90.27             | 60°            | 90.27             | 296.86             | 1168.92            | 18               |
| 77.0         | 90.86             | 60°            | 90.86             | 298.80             | 1176.56            | 18               |
| 77.5         | 91.45             | 60°            | 91.45             | 300.74             | 1184.20            | 18               |
| 78.0         | 92.04             | 60°            | 92.04             | 302.68             | 1191.84            | 18               |
| 78.5         | 92.63             | 60°            | 92.63             | 304.62             | 1199.48            | 18               |
| 79.0         | 93.22             | 60°            | 93.22             | 306.56             | 1207.12            | 18               |
| 79.5         | 93.81             | 60°            | 93.81             | 308.50             | 1214.76            | 18               |
| 80.0         | 94.40             | 60°            | 94.40             | 310.44             | 1222.40            | 18               |
| 80.5         | 94.99             | 60°            | 94.99             | 312.38             | 1230.04            | 18               |
| 81.0         | 95.58             | 60°            | 95.58             | 314.32             | 1237.68            | 18               |
| 81.5         | 96.17             | 60°            | 96.17             | 316.26             | 1245.32            | 18               |
| 82.0         | 96.76             | 60°            | 96.76             | 318.20             | 1252.96            | 1                |

# Quantum 600X600 4700lm 840 DALI

Artikelnummer 0048107

**SYLVANIA**

## Algemene gegevens

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Productnaam                       | Quantum 600X600<br>4700lm 840 DALI |
| Technologie                       | LED                                |
| Lampvoet                          | N/A                                |
| Behuizing                         | Staal                              |
| Montage                           | Plafondinbouw                      |
| Geïntegreerde aanwezigheidssensor | NONE                               |
| Algemene toepassing               | Kantoor                            |
| Omgevingstemperatuur (°C)         | 5°C...+25°C                        |
| Virtual assistant compatibility   | N/A                                |
| ETIM klasse                       | EC002892                           |
| E-nummer FI                       | 4289291                            |
| Garantie                          | 5 jaar                             |

## Optische gegevens

|                               |             |
|-------------------------------|-------------|
| Lumenstroom armatuur (lm)     | 4700        |
| Efficiëntie armatuur lm/W     | 181         |
| Kleurtemperatuur (K)          | 4000        |
| Lichtkleur                    | Neutraalwit |
| CRI (Ra)                      | 80          |
| Initiële kleurvariatie (SDCM) | SDCM3       |
| Bundel breedte (°)            | 85          |
| Type licht distributie        | Symmetrisch |
| Luminantiecontrole            | < 19        |
| Fotobiologische risicogroep   | RG0         |

## Elektrische gegevens

|                                                                          |                             |
|--------------------------------------------------------------------------|-----------------------------|
| Nood type                                                                |                             |
| Totaal energieverbruik (W)                                               | 26                          |
| Primaire voedingsspanning min                                            | 220.0                       |
| Primaire voedingsspanning max                                            | 240.0                       |
| Lamp arbeidsfactor                                                       | 0.9                         |
| THD (bij 230 V, 50 Hz, volledige belasting, bij 100% dimniveau) ≤ xx.x % | 15.0                        |
| Elektrische beschermingsklasse                                           | Klasse II                   |
| Type ballast                                                             | LED constante stroom driver |
| Dimbaar                                                                  | Ja                          |
| Dimtechnologie                                                           | DALI-2                      |
| Stuurstroom driver (mA)                                                  | 600                         |
| Inschakelstroom (A)                                                      | 5.6                         |
| Duur inschakelstroom (µs)                                                | 50                          |
| Energie-efficiëntieklasse (A->G) van de lichtbron in dit product         | A                           |
| Nominale frequentie (Hz)                                                 | 50/60Hz                     |
| Flickerratio (%)                                                         | Ultra laag (5% of minder)   |
| Max. Armaturen per 10A C automaat                                        | 37                          |
| Max. Armaturen per 13A C automaat                                        | 48                          |
| Max. Armaturen per 16A C automaat                                        | 59                          |
| Max. Armaturen per 20A C automaat                                        | 74                          |
| Max. Armaturen per 10A B automaat                                        | 37                          |
| Max. Armaturen per 13A B automaat                                        | 48                          |
| Max. Armaturen per 16A B automaat                                        | 59                          |
| Max. Armaturen per 20A B automaat                                        | 74                          |
| Aansluitbare geleider doorsnede min                                      | 0.75                        |
| Aansluitbare geleider doorsnede max                                      | 2.5                         |

# Quantum 600X600 4700lm 840 DALI

Artikelnummer 0048107

**SYLVANIA**

## Gegevens levensduur

|                                          |        |
|------------------------------------------|--------|
| Gemiddelde nominale levensduur - L70 B50 | 100000 |
| Gemiddelde nominale levensduur - L70 B20 | 100000 |
| Gemiddelde nominale levensduur - L70 B10 | 100000 |
| Gemiddelde nominale levensduur - L80 B50 | 100000 |
| Gemiddelde nominale levensduur - L80 B20 | 95000  |
| Gemiddelde nominale levensduur - L80 B10 | 89000  |
| Gemiddelde nominale levensduur - L90 B50 | 52000  |
| Gemiddelde nominale levensduur - L90 B20 | 47000  |
| Gemiddelde nominale levensduur - L90 B10 | 44000  |

## Fysieke gegevens

|                    |                         |
|--------------------|-------------------------|
| Kleur behuizing    | RAL 9003 - Signal white |
| IP waarde          | IP54/20                 |
| IK waarde          | IK03                    |
| Afwerking diffusor | Prismatisch             |
| Materiaal diffusor | PS Polystyrene          |
| Lengte (mm)        | 595                     |
| Breedte (mm)       | 595                     |
| Hoogte (mm)        | 35                      |
| Gewicht (kg)       | 2.0                     |

## Verpakkingen

|                                |                |
|--------------------------------|----------------|
| EAN code                       | 5410288481074  |
| Enkele lengte verpakking (cm)  | 66.8           |
| Enkele breedte verpakking (cm) | 3.5            |
| Hoogte eenheidsverpakking (cm) | 60.0           |
| DUN14 (inner)                  | 15410288481071 |
| Eenheden per omdoos            | 4              |
| Lengte omdoos (cm)             | 68.8           |
| Breedte omdoos (cm)            | 16.8           |
| Diepte omdoos (cm)             | 62.8           |

## Veiligheidsgegevens

|                                      |      |
|--------------------------------------|------|
| Gloeidraad test (°)                  | 650  |
| Optimale bedrijfsomstandigheden (°C) | 5-25 |