

Features

• 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: 28W; Lifespan: 120.000Hrs L70:B50; 3000K; CRI 80; Efficacy up to: 154Lm/W; Fixture lumen: 4300lm; Glare control <19; IK03; IP54 (from the front); Class II; Equipped with SylSmart Connected sensor. Tp(a) rated diffuser that self-extinguishes within 5 sec when a flame has been removed.

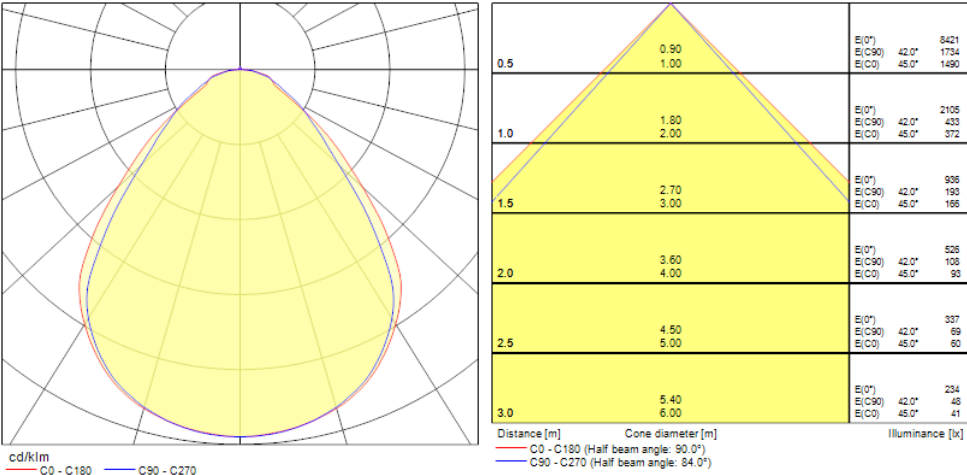
Product Overview

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Product name                      | Quantum IP54 600x600 4300lm 830 SSA03 |
| Technology                        | LED (3 SDCM)                          |
| Cap/Base                          | N/A                                   |
| Housing                           | Steel                                 |
| Mount                             | Ceiling recessed mounting             |
| General application               | Office, Education                     |
| ETIM Class                        | EC002892                              |
| E-number FI                       | 4279699                               |
| Fixture luminous flux (lm)        | 4300                                  |
| Luminaire efficacy (lm/W)         | 154                                   |
| Correlated colour temperature (k) | 3000                                  |
| Light colour                      | Warm White                            |
| CRI (Ra)                          | 80                                    |
| Colour Variation Initial (SDCM)   | 3                                     |
| Beam Angle (°)                    | 85                                    |
| Glare control                     | < 19                                  |
| Photobiological Risk Group        | RG0                                   |
| Total power consumption (W)       | 28                                    |
| Electrical protection             | Class II                              |

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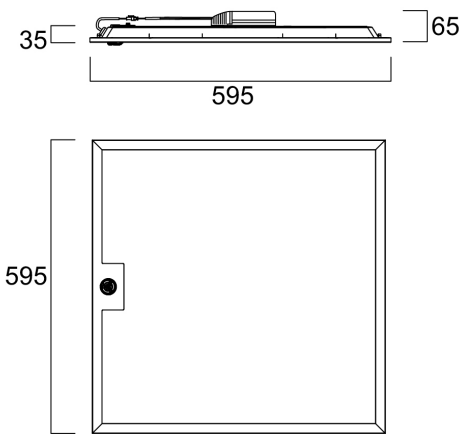
|                     |                             |
|---------------------|-----------------------------|
| Control gear type   | LED driver constant current |
| Dimmable            | Yes                         |
| LED Flickering Rate | Ultra low (5% or less)      |
| Housing colour      | RAL9003                     |
| IP rating           | IP54/20                     |
| IK rating           | IK03                        |
| Product EAN number  | 5410288446059               |
| Warranty            | 5 years                     |
| Dimming method      | SylSmart SSA                |

Photometry



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Technical drawings



Data table

GENERAL DATA

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Product name                     | Quantum IP54 600x600 4300lm 830 SSA03 |
| Technology                       | LED (3 SDCM)                          |
| Cap/Base                         | N/A                                   |
| Housing                          | Steel                                 |
| Mount                            | Ceiling recessed mounting             |
| General application              | Office, Education                     |
| Operating temperature range (°C) | -20°C...+40°C                         |
| ETIM Class                       | EC002892                              |
| E-number FI                      | 4279699                               |
| Warranty                         | 5 years                               |

OPTICAL DATA

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 4300       |
| Luminaire efficacy (lm/W)         | 154        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |

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|                                 |           |
|---------------------------------|-----------|
| CRI (Ra)                        | 80        |
| Colour Variation Initial (SDCM) | 3         |
| Beam Angle (°)                  | 85        |
| Distribution type               | Symmetric |
| Glare control                   | < 19      |
| Photobiological Risk Group      | RG0       |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 28                          |
| Primary Supply/Product voltage - min (V)                         | 220.0                       |
| Primary Supply/Product voltage - max (V)                         | 240.0                       |
| Lamp power factor                                                | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 10.0                        |
| Electrical protection                                            | Class II                    |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | Yes                         |
| Dimming method                                                   | SylSmart SSA                |
| Drive current (mA)                                               | 600                         |
| Inrush Current (A)                                               | 15                          |
| Inrush Duration (µs)                                             | 220                         |
| Energy Efficiency Class (A->G) of contained light source         | B                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 15                          |
| Max. products per 13A C Breaker                                  | 20                          |
| Max. products per 16A C Breaker                                  | 25                          |
| Max. products per 20A C Breaker                                  | 31                          |
| Max. products per 10A B Breaker                                  | 9                           |
| Max. products per 13A B Breaker                                  | 12                          |
| Max. products per 16A B Breaker                                  | 15                          |
| Max. products per 20A B Breaker                                  | 19                          |

## Quantum IP54 600x600 4300lm 830 SSA03 0044605

|                                                                 |      |
|-----------------------------------------------------------------|------|
| Connectable conductor cross section -<br>Min (mm <sup>2</sup> ) | 0.75 |
|-----------------------------------------------------------------|------|

|                                                                 |     |
|-----------------------------------------------------------------|-----|
| Connectable conductor cross section -<br>Max (mm <sup>2</sup> ) | 2.5 |
|-----------------------------------------------------------------|-----|

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
|------------------|--------|

|                  |        |
|------------------|--------|
| Lifespan L70 B20 | 120000 |
|------------------|--------|

|                  |        |
|------------------|--------|
| Lifespan L70 B10 | 120000 |
|------------------|--------|

|                  |        |
|------------------|--------|
| Lifespan L80 B50 | 105000 |
|------------------|--------|

|                  |       |
|------------------|-------|
| Lifespan L80 B20 | 95000 |
|------------------|-------|

|                  |       |
|------------------|-------|
| Lifespan L80 B10 | 85000 |
|------------------|-------|

|                  |       |
|------------------|-------|
| Lifespan L90 B50 | 51000 |
|------------------|-------|

|                  |       |
|------------------|-------|
| Lifespan L90 B20 | 47000 |
|------------------|-------|

|                  |       |
|------------------|-------|
| Lifespan L90 B10 | 44000 |
|------------------|-------|

### PHYSICAL DATA

|                |         |
|----------------|---------|
| Housing colour | RAL9003 |
|----------------|---------|

|           |         |
|-----------|---------|
| IP rating | IP54/20 |
|-----------|---------|

|           |      |
|-----------|------|
| IK rating | IK03 |
|-----------|------|

|                 |         |
|-----------------|---------|
| Diffuser finish | Diffuse |
|-----------------|---------|

|                   |                |
|-------------------|----------------|
| Diffuser material | PS Polystyrene |
|-------------------|----------------|

|                             |     |
|-----------------------------|-----|
| Nominal Product Length (mm) | 595 |
|-----------------------------|-----|

|                            |     |
|----------------------------|-----|
| Nominal Product Width (mm) | 595 |
|----------------------------|-----|

|                             |    |
|-----------------------------|----|
| Nominal Product Height (mm) | 35 |
|-----------------------------|----|

|             |      |
|-------------|------|
| Weight (kg) | 2.15 |
|-------------|------|

### PACKAGING

|                    |               |
|--------------------|---------------|
| Product EAN number | 5410288446059 |
|--------------------|---------------|

|                                       |      |
|---------------------------------------|------|
| Packaging single length / height (cm) | 67.1 |
|---------------------------------------|------|

|                             |     |
|-----------------------------|-----|
| Packaging single width (cm) | 5.5 |
|-----------------------------|-----|

|                             |      |
|-----------------------------|------|
| Packaging single depth (cm) | 59.8 |
|-----------------------------|------|

|               |                |
|---------------|----------------|
| DUN14 (inner) | 15410288446056 |
|---------------|----------------|

|                         |   |
|-------------------------|---|
| Units per outer package | 4 |
|-------------------------|---|



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|                                      |      |
|--------------------------------------|------|
| Packaging outer length / height (cm) | 68.4 |
| Packaging outer width (cm)           | 24.2 |
| Packaging outer depth (cm)           | 61.6 |

SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Glow Wire Test (°C)                 | 650    |
| Optimal operating condition (°C)    | -20-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |