

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: 800mA; Max. power: 38W; Lifespan: 120.000Hrs L70:B50; 4000K; CRI 80; Efficacy up to: 158Lm/W; Fixture lumen: 6000lm; 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.

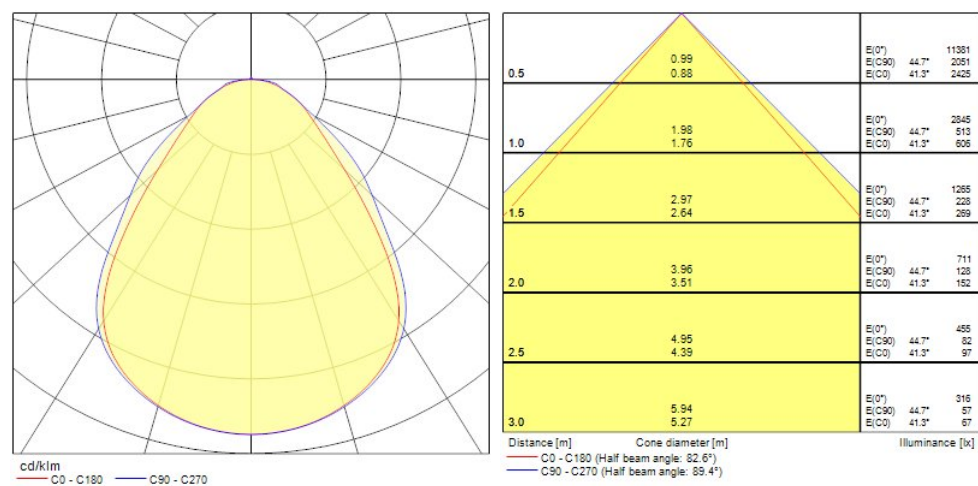
Product Overview

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Product name                      | Quantum IP54 1200x600 DALI 6000lm 840 |
| Technology                        | LED (3 SDCM)                          |
| Cap/Base                          | N/A                                   |
| Housing                           | Steel                                 |
| Mount                             | Ceiling recessed mounting             |
| General application               | Office, Education                     |
| ETIM Class                        | EC002892                              |
| E-number FI                       | 4279439                               |
| Fixture luminous flux (lm)        | 6000                                  |
| Luminaire efficacy (lm/W)         | 158                                   |
| Correlated colour temperature (k) | 4000                                  |
| Light colour                      | Neutral White                         |
| CRI (Ra)                          | 80                                    |
| Colour Variation Initial (SDCM)   | 3                                     |
| Beam Angle (°)                    | 85                                    |
| Glare control                     | < 19                                  |
| Photobiological Risk Group        | RG0                                   |
| Total power consumption (W)       | 38                                    |
| Electrical protection             | Class II                              |
| Control gear type                 | LED driver constant current           |

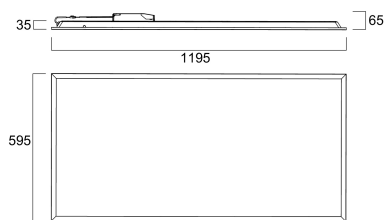
Quantum IP54 1200x600 DALI 6000lm 840  
0044647

|                     |                        |
|---------------------|------------------------|
| Dimmable            | Yes                    |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL9003                |
| IP rating           | IP54/20                |
| IK rating           | IK03                   |
| Product EAN number  | 5410288446479          |
| Warranty            | 5 years                |
| Dimming method      | DALI-2                 |

Photometry



Technical drawings



Data table

## Quantum IP54 1200x600 DALI 6000lm 840 0044647

### GENERAL DATA

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Product name                     | Quantum IP54 1200x600 DALI 6000lm 840 |
| 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                      | 4279439                               |
| Warranty                         | 5 years                               |

### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 6000          |
| Luminaire efficacy (lm/W)         | 158           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| 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)                                      | 38       |
| 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 % | 15.0     |
| Electrical protection                                            | Class II |
| Control gear required                                            | No       |

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|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Control gear type                                        | LED driver constant current |
| Dimmable                                                 | Yes                         |
| Dimming method                                           | DALI-2                      |
| Drive current (mA)                                       | 800                         |
| Inrush Current (A)                                       | 5.6                         |
| Inrush Duration (µs)                                     | 50                          |
| Energy Efficiency Class (A->G) of contained light source | A                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| LED Flickering Rate                                      | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                          | 37                          |
| Max. products per 16A C Breaker                          | 59                          |
| Max. products per 16A B Breaker                          | 59                          |
| Connectable conductor cross section - Min (mm²)          | 0.75                        |
| Connectable conductor cross section - Max (mm²)          | 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 |



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|                             |                |
|-----------------------------|----------------|
| Diffuser material           | PS Polystyrene |
| Nominal Product Length (mm) | 1195           |
| Nominal Product Width (mm)  | 595            |
| Nominal Product Height (mm) | 35             |
| Weight (kg)                 | 4.02           |

PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288446479  |
| Packaging single length / height (cm) | 126.6          |
| Packaging single width (cm)           | 3.7            |
| Packaging single depth (cm)           | 59.8           |
| DUN14 (inner)                         | 15410288446476 |
| Units per outer package               | 2              |
| Packaging outer length / height (cm)  | 128.6          |
| Packaging outer width (cm)            | 9.1            |
| Packaging outer depth (cm)            | 62.8           |

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     |