

Quantum 1200x300 Multipower 4500lm 840  
0044641



Features

• Quantum is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. With the help of DIP Switch multiple lumen outputs can be set up in 4 steps (22W 3400lm, 24W 3750lm, 26W 4100lm, 28W 4500lm). Max. drive current: 600mA; Lifespan: 120.000Hrs L70:B50; 4000K; CRI 80; Efficacy up to: 161Lm/W; Glare control <19; IK03; IP54 (from the front); Class II; Tp(a) rated diffuser that self-extinguishes within 5 sec when a flame has been removed.

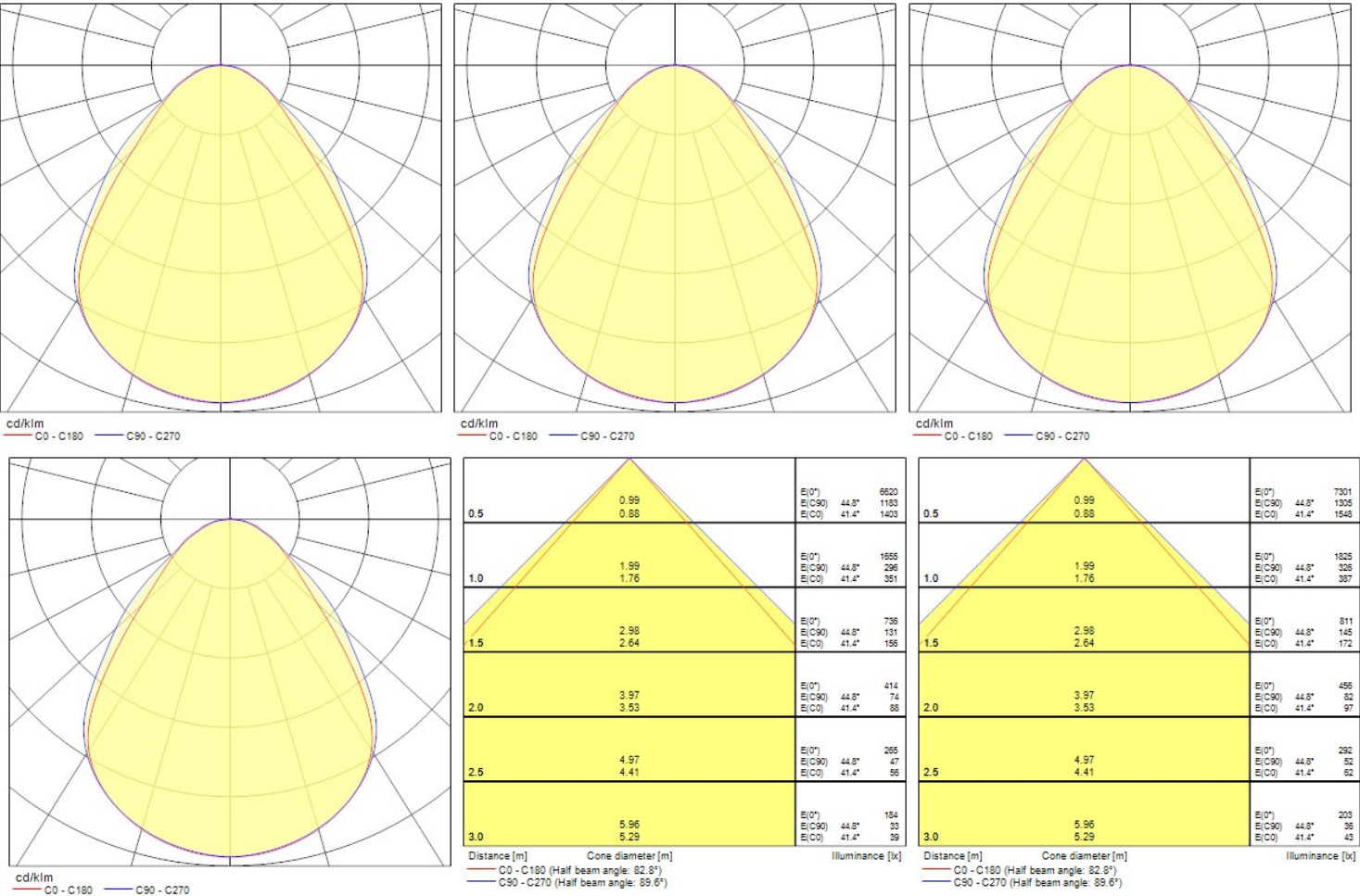
Product Overview

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product name                    | Quantum 1200x300 Multipower 4500lm 840 |
| Technology                      | LED (3 SDCM)                           |
| Cap/Base                        | N/A                                    |
| Housing                         | Steel                                  |
| Mount                           | Ceiling recessed mounting              |
| General application             | Office, Education                      |
| ETIM Class                      | EC002892                               |
| Fixture luminous flux (lm)      | 4500                                   |
| Luminaire efficacy (lm/W)       | 161                                    |
| 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)     | 28                                     |
| Electrical protection           | Class II                               |
| Control gear type               | LED driver constant current            |
| Dimmable                        | No                                     |

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|                     |                         |
|---------------------|-------------------------|
| LED Flickering Rate | Ultra low (5% or less)  |
| Housing colour      | RAL 9003 - Signal white |
| IP rating           | IP54/20                 |
| IK rating           | IK03                    |
| Product EAN number  | 5410288446417           |
| Warranty            | 5 years                 |
| Dimming method      | N/A                     |

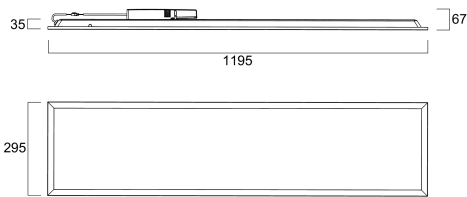
Photometry



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Technical drawings



Data table

|                                  |                                        |
|----------------------------------|----------------------------------------|
| GENERAL DATA                     |                                        |
| Product name                     | Quantum 1200x300 Multipower 4500lm 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                               |
| Warranty                         | 5 years                                |

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### OPTICAL DATA

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 4500          |
| Luminaire efficacy (lm/W)       | 161           |
| 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)                                      | 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 % | 20.0                        |
| Electrical protection                                            | Class II                    |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 600                         |
| Inrush Current (A)                                               | 11.9                        |
| Inrush Duration (µs)                                             | 390                         |
| Glow Wire Test (°C)                                              | 650                         |
| 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                                  | 18                          |
| Max. products per 16A C Breaker                                  | 29                          |

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|                                                              |     |
|--------------------------------------------------------------|-----|
| Max. products per 16A B Breaker                              | 17  |
| Connectable conductor cross section - Max (mm <sup>2</sup> ) | 1.5 |

### 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              | RAL 9003 - Signal white |
| IP rating                   | IP54/20                 |
| IK rating                   | IK03                    |
| Diffuser finish             | Diffuse                 |
| Diffuser material           | PS Polystyrene          |
| Nominal Product Length (mm) | 1195                    |
| Nominal Product Width (mm)  | 295                     |
| Nominal Product Height (mm) | 35                      |
| Weight (kg)                 | 2.24                    |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288446417  |
| Packaging single length / height (cm) | 124.3          |
| Packaging single width (cm)           | 3.5            |
| Packaging single depth (cm)           | 29.8           |
| DUN14 (outer)                         | 15410288446414 |
| Units per outer package               | 4              |



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|                                      |       |
|--------------------------------------|-------|
| Packaging outer length / height (cm) | 126.3 |
| Packaging outer width (cm)           | 16.2  |
| Packaging outer depth (cm)           | 32.8  |

SAFETY DATA

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