

HEX-O 500

suspended group
073-6351538P

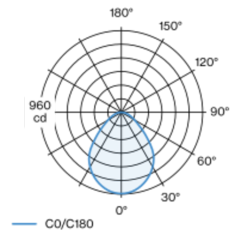


| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |

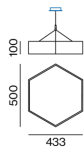


Hexagonal light fitting from aluminium profile; seamlessly welded; surface black powder coated; pendant fitting with 1500mm cable suspension (1 cable); height adjustment without tools; canopy with 2 cable openings and plug-in terminal for through wiring, incl. feed available as an accessory; suitable for group installation; including rear rail for alignment of the housings; can be combined with all HEX-O ceiling and TRIG-O ceiling luminaires and acoustic elements; highly reflective coating for improved efficiency; microprismatic PMMA cover; completely homogeneous illumination; same luminance for all size versions; UGR ≤ 19 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; sound absorbing HEX-O ABSORBER available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

| |
|-------------------------------|
| Ceiling , Suspended |
| black , RAL 9005 ¹ |
| IP20 |
| 1940 lm |

LED

| |
|-------------------------------|
| 3000 K |
| CRI ≥ 80 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| MR 0.54 |
| MDER 0.49 |

Optical

| |
|--|
| Microprismatic |
| microprismatic |
| UGR ≤ 19 , $\geq 65^\circ < 3000$ cd/m ² |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Electrical

| |
|------------------------------|
| DALI-2 |
| 220-240 V |
| system 16.3 W |
| system 119 lm/W ³ |
| PC1 |
| 1 DALI Addr. |

Physical

| |
|-----------------------------|
| cable 1500 mm (min. 500 mm) |
| length 500 mm |
| width 433 mm |
| height 100 mm |
| 5.5 kg |

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions



Lighting calculator



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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.98 | 0.95 | 0.93 | 0.91 | 0.9 |
| LSF | 1 | 1 | 1 | 1 | 1 |
| MF | LMF × RSMF × LLMF × LSF | | RSMF ^a | Room Surface Maintenance Factor | |
| MF | Maintenance Factor | | LLMF | Lamp Lumens Maintenance Factor | |
| LMF ^a | Luminaire Maintenance Factor | | LSF | Lamp Survival Faktor | |

^a According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 24 |
| B13 | 31 |
| B16 | 38 |
| B20 | 48 |
| C10 | 40 |
| C13 | 56 |
| C16 | 64 |
| C20 | 80 |

Electrical accessories

CANOPY / FEEDER CABLE

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------------------|------------|--------|-------------------|
| 5 x 1,5 mm ² | pure white | 135 | 005-2232417 |
| 5 x 1,5 mm ² | jet black | 135 | 005-2232418 |



Acoustic accessories

HEX-O ABSORBER 750

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------------------|-------------|-------------------|
| marble grey | 750-650-237 | 073-691640D |
| felt grey | 750-650-237 | 073-691640G |
| black | 750-650-237 | 073-691640L |
| white | 750-650-237 | 073-691640W |
| acoustic special colours | 750-650-237 | 073-691640X |

