

HEX-O 500

suspended group
073-635163XP



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



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|------------------|----------|--------|--------|
| RG0 IEC 62471 | 220-240V | X-PERT | X-PERT |
|------------------|----------|--------|--------|

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|---------------------|
| General |
| Ceiling , Suspended |
| special colours |
| IP20 |
| 1980 lm |

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|---------------------------------|
| LED |
| 4000 K |
| CRI ≥ 80 |
| L90 / 50000 h |
| photobio. safety RG 0 - no Risk |
| initial MacAdam ≤ 3 SDCM |
| MR 0.72 |
| MDER 0.66 |

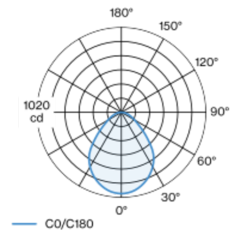
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|-----------------------------|
| Optical |
| Microprismatic |
| microprismatic |
| UGR < 19 , ≥65° <3000 cd/m² |
| PstLM ≤ 1.0 ¹ |
| SVM ≤ 0.4 ¹ |

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|------------------------------|
| Electrical |
| DALI-2 |
| system 16.3 W |
| PC1 220-240V |
| system 121 lm/W ² |
| 1 DALI Addr. |

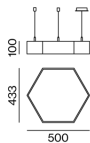
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|-----------------------------|
| Physical |
| cable 1500 mm (min. 500 mm) |
| length 500 mm |
| width 433 mm |
| height 100 mm |
| 5.5 kg |

Hexagonal light fitting from aluminium profile; seamlessly welded; surface special colours 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 4000 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 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



¹ Value of containing product at full load (undimmed)
² incl. optical losses and the efficiency of the operating device (converter)

| | |
|---------------------------|---------------------|
| 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 |
| 5 x 1,5 mm ² | special colours | 135 | 005-223241X |



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 |

