

# HEX-O 750

ceiling

073-616163XP



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



## General

|                   |
|-------------------|
| Ceiling , Surface |
| special colours   |
| IP20              |
| 4300 lm           |

## LED

|                          |
|--------------------------|
| 4000 K                   |
| CRI ≥ 80                 |
| L90 / 50000 h            |
| initial MacAdam ≤ 3 SDCM |
| MR 0.72                  |
| MDER 0.66                |

## Optical

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

## Electrical

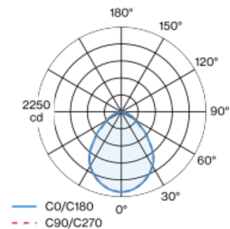
|                                   |
|-----------------------------------|
| DALI-2                            |
| 220-240 V                         |
| system 35 W                       |
| system 123 lm/W²                  |
| PC1                               |
| 1 DALI Addr.                      |
| minimum cable length on-site 0.5m |

## Physical

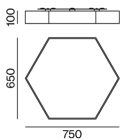
|               |
|---------------|
| length 750 mm |
| width 650 mm  |
| height 100 mm |
| 10 kg         |

Hexagonal light fitting from aluminium profile; seamlessly welded; surface special colours powder coated; suitable for ceiling mounting; convenient quick mounting system without tools; suitable for single or group installation; 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; luminaire with 2 cable openings and plug-in terminal for through wiring; 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



<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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 <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire Maintenance Factor |        | LSF               | Lamp Survival Faktor            |        |

<sup>a</sup> 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                            | 9                  |
| B13                            | 13                 |
| B16                            | 15                 |
| B20                            | 18                 |
| C10                            | 18                 |
| C13                            | 26                 |
| C16                            | 30                 |
| C20                            | 36                 |

## Acoustic accessories

### HEX-O ABSORBER 1000

| COLOUR                   | L-W-H (MM)   | ARTICLE NUMBER(S) |
|--------------------------|--------------|-------------------|
| marble grey              | 1000-866-237 | 073-691740D       |
| felt grey                | 1000-866-237 | 073-691740G       |
| black                    | 1000-866-237 | 073-691740L       |
| white                    | 1000-866-237 | 073-691740W       |
| acoustic special colours | 1000-866-237 | 073-691740X       |

