

XAL SONIC suspended DIRECT / INDIRECT

059-7221537P

PROJECT

TYPE

NOTES

QUANTITY

DATE

GENERAL

Ceiling
Suspended
white
IP20
indirect 5190 lm
direct 4960 lm
total 10150 lm
RAL9010^a

LED

3000 K
CRI ≥ 80
L90 / 50000 h
photobio. safety RG 0 - no Risk

OPTICAL

Microprismatic
UGR < 19

PHYSICAL

Cable 1500 mm (min. 500 mm)
diameter 500 mm
height 52 mm

ELECTRICAL

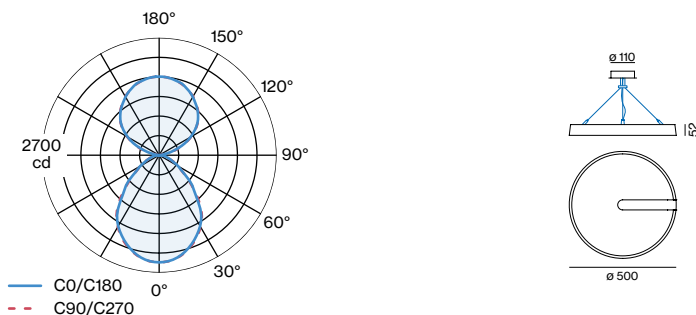
DALI-2
71 W
143 lm/W
1 DALI Addr.
PC1 220-240V

^a RAL Palette colors may deviate slightly due to production conditions.



Conical light housing in die-cast aluminium; surface white powder coated; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; light colour 3000 K; Binning initial ≤ 3 MacAdam; CRI ≥ 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; LED light inset incl. heat sink exchangeable; direct/indirect illumination characteristic; indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; indirect component covered with opal cover; direct lighting portion: micro prismatic PMMA cover; perfectly uniform illumination through use of a diffuse polycarbonate-based film; better light dispersion to transparency ratio; UGR ≤ 19; canopy with 2 cable openings and plug-in terminal for through wiring; 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 accessories available: patented soundproofing element made of expanded polystyrene (EPS);

Light Distribution





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Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 31 |
| B16 | 50 |
| B20 | 62 |
| B25 | 78 |
| C10 | 52 |
| C16 | 85 |
| C20 | 104 |
| C25 | 130 |

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 |

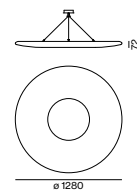
| | | | |
|------------------|--|-------------------|---------------------------------|
| MF | $LMF \times RSMF \times LLMF \times LSF$ | RSMF ^a | Room Surface Maintenance Factor |
| MF | Maintenance Factor | LLMF | Lamp Lumens Maintenance Factor |
| LMF ^a | Luminaire Maintenance Factor | LSF | Lamp 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.

Other

ABSORBER WITH SUSPENSION

| TYPE | COLOUR | Ø·H (MM) | ORDERCODE |
|-------------|-------------|----------|-----------------------|
| bazalt grey | bazalt grey | ∅1280·72 | 0 5 9 - 6 2 9 9 1 1 6 |
| light grey | light grey | ∅1280·72 | 0 5 9 - 6 2 9 9 1 1 7 |



ABSORBER

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