

BETO direct / indirect power

suspended

074-6249D48R

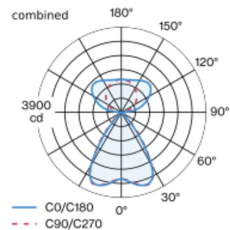


Project / Type	
Notes	
Count / Date	



Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm); light tight final end caps made of aluminium; no visible screws; angular design; surface black powder coated; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; freely positionable; incl. feed (black); extruded profile for improved thermal management; high gloss reflector with faceted design; Reflector chrome; direct/indirect illumination characteristic; light colour: tunable white diodes (2700-6500 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500$ cd/m²; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination, separately controllable; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 / DT8 converter; 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	
Reflector chrome	
IP20	
indirect 5770 lm	
direct 4980 lm	
total 10750 lm	

LED

tunable white	
2700 K - 6500 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R _g : 101 , R _r : 90 , R _{1-15} : 88	
MR 0.51	
MDER 0.46	

Optical

Reflector	
symmetric	
UGR ≤ 13 , $\geq 65^\circ < 1500$ cd/m ²	
PstLM $\leq 1.0^{2,3}$	
SVM $\leq 0.4^{2,3}$	

Electrical

DALI-2 DT8 D/I separately controllable	
220-240 V	
system 92 W	
system 117 lm/W ⁴	
PC1	
2 DALI Addr.	

Physical

length 3057 mm	
width 42 mm	
height 42 mm	
5.3 kg	

¹ RAL code ² combined
³ Value of containing product at full load (undimmed)
⁴ 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	0.96	0.94	0.92	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 Factor	

^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	4
B13	6
B16	7
B20	9
C10	7
C13	10
C16	12
C20	16

