

# VELA 900 direct

suspended

073-12715380



Project / Type
Notes
Count / Date

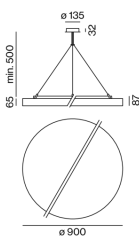


Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface black powder coated; highly reflective coating for improved efficiency; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; incl. feed (black); completely homogeneously illuminated, satinised PMMA cover; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP40; 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; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



IP40	220-240V	X-PERT	UGR $\leq 22$	CRI $\geq 80$	1 ADDR.	X-PERT
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## General

Ceiling , Suspended
black , RAL9005 <sup>1</sup>
IP40
8990 lm

## LED

3000 K
CRI $\geq 80$
L90 / 50000 h
photobio. safety RG 0 - no Risk
initial MacAdam $\leq 3$ SDCM
MR 0.54
MDER 0.49

## Optical

Opal
opal (lambertsch)
PstLM $\leq 1.0$ <sup>2</sup>
SVM $\leq 0.4$ <sup>2</sup>

## Electrical

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

## Physical

cabl 1500 mm
diameter 900 mm
height 87 mm
12.3 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

## 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	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	31

