

# VELA 900 direct / indirect power

suspended  
073-1274538K



Project / Type

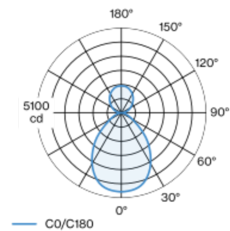
Notes

Count / Date

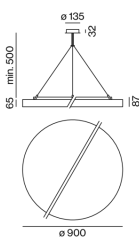


Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface black powder coated; highly reflective coating for improved efficiency; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; incl. feed (black); microprismatic PMMA cover; completely homogeneous illumination;  $UGR \leq 16$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 3000 \text{ cd/m}^2$ ; direct / indirect radiation characteristic for additional accentuation of the ceiling; light colour 3000 K; binning initial MacAdam  $\leq 3 \text{ SDCM}$ ; 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; 220-240 V; 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



### General

Ceiling | Suspended  
black | RAL 9005 <sup>1</sup>  
IP40  
indirect 4410 lm | direct 9020 lm  
total 13430 lm

### LED

3000 K  
CRI  $\geq 80$   
L90 / 50000 h  
initial MacAdam  $\leq 3 \text{ SDCM}$   
MR 0.54 | MDER 0.49

### Optical

Microprismatic | microprismatic  
 $UGR \leq 16$  |  $\geq 65^\circ < 3000 \text{ cd/m}^2$   
 $PstLM \leq 1.0$  <sup>2</sup> |  $SVM \leq 0.4$  <sup>2</sup>

### Electrical

DALI-2 | 2 DALI Addr.  
PC1 | 220-240 V  
system 96 W  
system 140 lm/W <sup>3</sup>

### Physical

cable 1500 mm  
diameter 900 mm | height 87 mm  
13.1 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Installation instructions



## Lighting calculator



# VELA 900 direct / indirect power

suspended  
073-1274538K



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_

### 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

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Factor

<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	4
B13	6
B16	7
B20	9
C10	8
C13	11
C16	13
C20	16

