

# VELA 1200 direct

ceiling

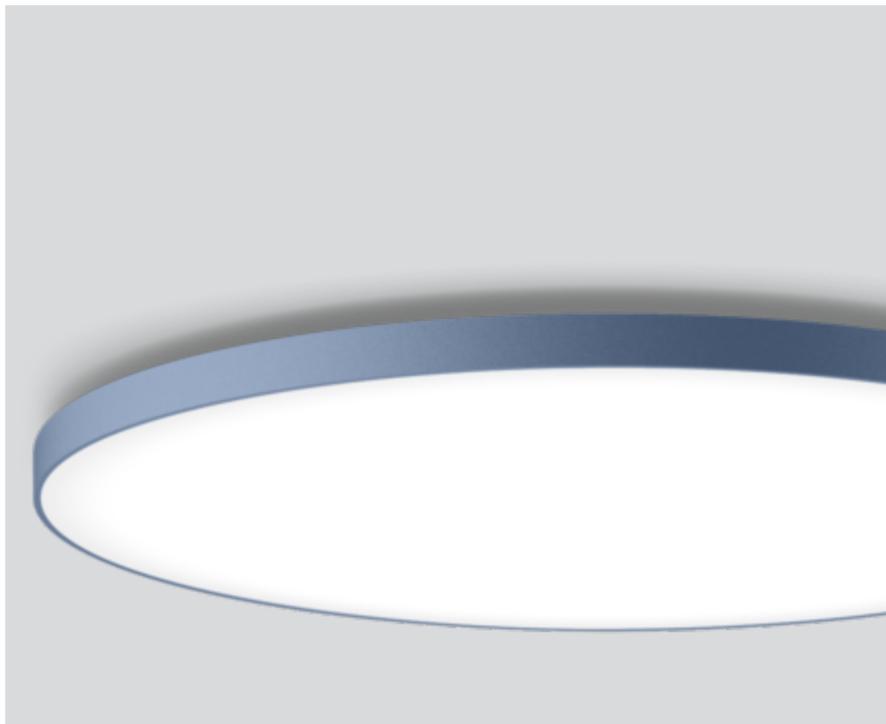
073-118153XK



Project / Type

Notes

Count / Date



## General

Ceiling , Surface

special colours

IP40

19400 lm

## LED

3000 K

CRI  $\ge 80$

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam  $\le 3$  SDCM

MR 0.54

MDER 0.49

## Optical

Microprismatic

microprismatic

UGR  $< 19$  ,  $\ge 65^\circ < 3000 \text{ cd/m}^2$

PstLM  $\le 1.0$ <sup>1</sup>

SVM  $\le 0.4$ <sup>1</sup>

## Electrical

DALI-2

147 W

PC1 220-240V

132 lm/W

3 DALI Addr.

## Physical

diameter 1200 mm

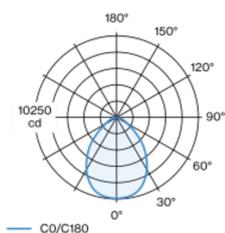
height 92 mm

19.2 kg

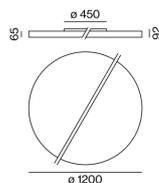
<sup>1</sup> Value of containing product at full load (undimmed)

Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface special colours powder coated; highly reflective coating for improved efficiency; suitable for ceiling mounting; convenient quick mounting system without tools; microprismatic PMMA cover; completely homogeneous illumination; UGR  $\le 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \le 3000 \text{ cd/m}^2$ ; light colour 3000 K; binning initial MacAdam  $\le 3$  SDCM; CRI  $\ge 80$ ; 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 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



## 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	3
B13	4
B16	5
B20	6
C10	6
C13	8
C16	10
C20	12

## Other accessories

### DISMOUNTING TOOL

ARTICLE NUMBER(S)

073-1100000

