

# VELA 900 direct

ceiling

073-117153GO

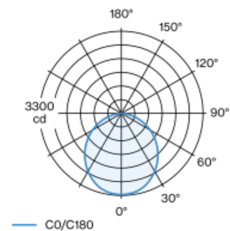


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |

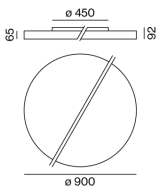


Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface grey powder coated; highly reflective coating for improved efficiency; suitable for ceiling mounting; convenient quick mounting system without tools; completely homogeneously illuminated, satinised PMMA cover; light colour 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; luminaire 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 , Surface            |  |
| grey , RAL 9006 <sup>1</sup> |  |
| IP40                         |  |
| 8990 lm                      |  |

### LED

|                               |  |
|-------------------------------|--|
| 3000 K                        |  |
| CRI $\geq 80$                 |  |
| L90 / 50000 h                 |  |
| 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                       |  |
| 220-240 V                    |  |
| system 71 W                  |  |
| system 127 lm/W <sup>3</sup> |  |
| PC1                          |  |
| 1 DALI Addr.                 |  |

### Physical

|                 |  |
|-----------------|--|
| diameter 900 mm |  |
| height 92 mm    |  |
| 12.6 kg         |  |

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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                         | 0.95   | 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                 |

## Other accessories

### DISMOUNTING TOOL

|                   |                   |
|-------------------|-------------------|
| TYPE              | ARTICLE NUMBER(S) |
| for ø600/900/1200 | 073-1100000       |

