

# NOBA 60 suspended 2 lamps

MOVE IT PRO  
086-71109368W



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

Notes \_\_\_\_\_

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



Decorative pendant light inset made of aluminium; 2 lamps; surface lacquered in brushed aluminium; light inset, incl. high power adapter + converter can be installed flexibly and without tools; power supplied via MOVE IT PRO system track profile; pendant fitting with 2000mm suspension, incl. feed (black), can be individually shortened; passive cooling of the LEDs through improved heat sink geometry; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high quality plano-convex glass lens; beam angle 67°; no multiple shadows; degree of protection IP20; PC2; 220-240 V; DALI-2 control; flicker-free visual comfort through analogue current control (minimum value 1%); light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



**General**

Ceiling | Track Suspended \_\_\_\_\_

brushed aluminium \_\_\_\_\_

Converter Jet Black \_\_\_\_\_

IP20 \_\_\_\_\_

2100 lm \_\_\_\_\_

**LED**

2700 K \_\_\_\_\_

CRI  $\geq 90$  \_\_\_\_\_

L80 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 2$  SDCM \_\_\_\_\_

R<sub>g</sub>: 97 | R<sub>r</sub>: 91 | R<sub>f(1-15)</sub>: 87 \_\_\_\_\_

MR 0.52 | MDER 0.47 \_\_\_\_\_

**Optical**

wide flood | beam angle 67° \_\_\_\_\_

PstLM  $\leq 1.0^{1,2}$  | SVM  $\leq 0.4^{1,2}$  \_\_\_\_\_

**Electrical**

DALI-2 | 1 DALI Addr. \_\_\_\_\_

PC2 | 220-240 V \_\_\_\_\_

system 19.1 W \_\_\_\_\_

system 110 lm/W <sup>3</sup> \_\_\_\_\_

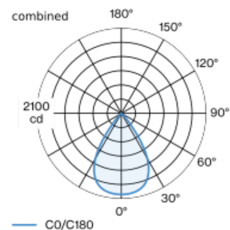
**Physical**

length 60 mm | width 60 mm | height 60 mm \_\_\_\_\_

adapter 402 mm \_\_\_\_\_

suspension 2000 mm \_\_\_\_\_

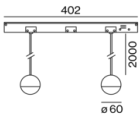
## Light distribution



wide flood 67° combined

| h (m) | EO <sup>®</sup> (lx) | ø (m) |
|-------|----------------------|-------|
| 1     | 2000                 | 1.31  |
| 2     | 500                  | 2.63  |
| 3     | 220                  | 3.94  |
| 4     | 120                  | 5.26  |
| 5     | 80                   | 6.57  |

## Product drawing



<sup>1</sup> combined <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



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### Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.964  | 0.923  | 0.884  | 0.847  | 0.811  |
| 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 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                            | 27                 |
| B13                            | 34                 |
| B16                            | 43                 |
| C10                            | 33                 |
| C13                            | 42                 |
| C16                            | 53                 |

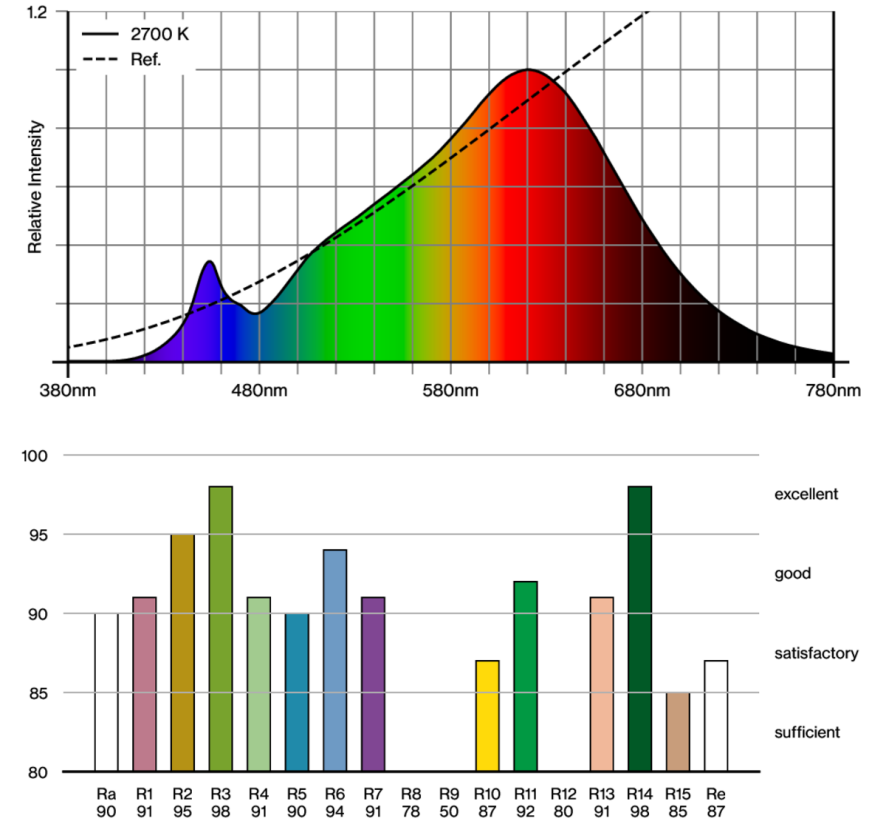
### Mounting accessories

#### HOOK surface

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 16     | 030-1000017       |
| jet black     | 16     | 030-1000018       |



### Colour rendering



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## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.