

# BETO sensor direct / indirect

free standing T-shape  
074-69450SXR



Project / Type \_\_\_\_\_  
Notes \_\_\_\_\_  
Count / Date \_\_\_\_\_



## General

Floor | Standing \_\_\_\_\_  
special colours \_\_\_\_\_  
Reflector chrome \_\_\_\_\_  
black \_\_\_\_\_  
IP20 \_\_\_\_\_  
indirect 4340 lm | direct 1540 lm \_\_\_\_\_  
total 5880 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_  
CRI ≥ 90 \_\_\_\_\_  
L90 / 50000 h \_\_\_\_\_  
initial MacAdam ≤ 3 SDCM \_\_\_\_\_  
R<sub>g</sub>: 99 | R<sub>r</sub>: 91 | R<sub>(1-15)</sub>: 89 \_\_\_\_\_  
MR 0.61 | MDER 0.55 \_\_\_\_\_

## Optical

Reflector | asymmetric \_\_\_\_\_  
UGR ≤ 13 \_\_\_\_\_  
PstLM ≤ 1.0<sup>1</sup> | SVM ≤ 0.4<sup>1</sup> \_\_\_\_\_

## Electrical

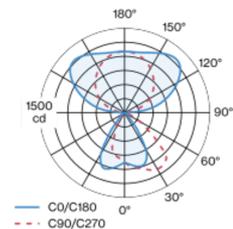
Loxone Air / ESSENTIAL sensor \_\_\_\_\_  
brightness & presence \_\_\_\_\_  
PC1 | 220-240 V \_\_\_\_\_  
system 51 W \_\_\_\_\_  
system 115 lm/W<sup>2</sup> \_\_\_\_\_

## Physical

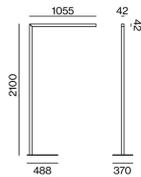
T-shape \_\_\_\_\_  
length 1055 mm | width 42 mm | height 2100 mm \_\_\_\_\_

Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 x 42 mm); square downpipe; pedestal with recess for table base (T-shape); surface special colours powder coated; direct/indirect illumination characteristic; direct light component with high gloss reflector + faceted design and asymmetric radiation characteristic; Reflector chrome; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; UGR ≤ 13; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; incl. Loxone Air module for easy integration into the Loxone home and building automation system; luminaire with integrated infrared presence and brightness sensor (ESSENTIAL sensor); luminaire with integrated miniature push-button; presence sensor detection range ø4,5m on the floor; incl. connection cable (3m) with safety plug; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</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	0.98	0.96	0.94	0.92	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 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	13
B13	17
B16	21
B20	26
C10	21
C13	28
C16	35
C20	43