



**PROJECT**

**TYPE**

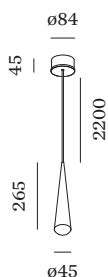
**NOTES**

**QUANTITY**

**DATE**



Cone shaped ceiling suspended luminaire made from aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; inclusive adjustable cable suspension max. 2200mm in Signal Black; PCB 3-step binning; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 220 - 240 V; degree of protection IP20; Class 1; driver included; light source not replaceable; control gear replaceable by end-user;



**GENERAL**

Ceiling  
Suspended  
Black Matt  
RAL 9011<sup>a</sup>  
IP20  
Interior  
405 lm  
CIE flux code: 79 90 97 95 100

**LED**

2700 K  
CRI  $\geq 90$   
L80 / 100000 h  
initial MacAdam  $\leq 3$  SDCM

**OPTICAL**

Standard  
beam angle 38°

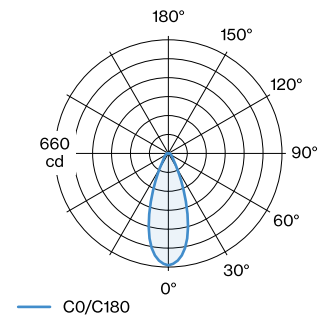
**ELECTRICAL**

phase-cut dim  
220 - 240 V  
system 7.7 W  
Class 1

**PHYSICAL**

diameter 45 mm  
height 265 mm  
0.55 kg  
cable length 2200 mm

**LIGHT DISTRIBUTION**



<sup>a</sup> Colour may deviate slightly due to production conditions.



## CONE DIAGRAM

standard 38°

h (m)	E0° (lx)	ø (m)
1	650	0.69
2	163	1.38
3	72	2.07
4	41	2.76
5	26	3.45

## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.98	0.98	0.97	0.97
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens 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.