

**PROJECT**

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**TYPE**

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**NOTES**

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**QUANTITY**

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**DATE**

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Squared ceiling surface mounted downlight made from die-cast aluminium; housing White Matt powder coated; matt texture; with reflector in Black Matt wet painted; matt fine texture; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; degree of protection IP20; Class 1; UGR  $\leq 13$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500$  cd/m<sup>2</sup>; driver included; optional honeycomb louver available, to reduce glare; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;

**GENERAL**

Ceiling \_\_\_\_\_  
Surface \_\_\_\_\_  
White Matt + Black Matt \_\_\_\_\_  
IP20 \_\_\_\_\_  
Interior \_\_\_\_\_  
1290 lm \_\_\_\_\_  
CIE flux code: 99 100 100 100 \_\_\_\_\_  
100 \_\_\_\_\_

**LED**

2700 K \_\_\_\_\_  
CRI  $\geq 90$  \_\_\_\_\_  
L70 / 55000h \_\_\_\_\_  
initial MacAdam  $\leq 2$  SDCM \_\_\_\_\_

**OPTICAL**

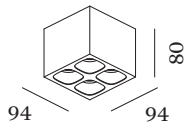
Standard \_\_\_\_\_  
beam angle 32° \_\_\_\_\_

**ELECTRICAL**

phase-cut dim \_\_\_\_\_  
220 - 240 V \_\_\_\_\_  
system 19.3 W \_\_\_\_\_  
Class 1 \_\_\_\_\_

**PHYSICAL**

length 94 mm \_\_\_\_\_  
width 94 mm \_\_\_\_\_  
height 80 mm \_\_\_\_\_  
0.5 kg \_\_\_\_\_





**Maintenance Factor**

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.9	0.88	0.85	0.83	0.81
LSF	1	1	1	1	1

$MF = LMF \times RSMF \times LLMF \times LSF$

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.

**OPTICAL ACCESSORIES**

**Honeycomb Louver**

Type	Colour	Ø (MM)	Item number
BLIEK PETIT   CENO   LECA   PIRRO	Black	29	90051131