



**PROJECT**

**TYPE**

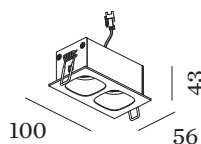
**NOTES**

**QUANTITY**

**DATE**



Rectangular ceiling recessed downlight made from die-cast aluminium; housing Black Matt powder coated; matt texture; with reflector in Black Matt wet painted; matt fine texture; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 60 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; degree of protection IP20; Class 3; IC rated; UGR  $\leq 16$ ; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**GENERAL**

Ceiling  
Recessed  
Black Matt  
RAL 9005 <sup>a</sup>  
IP20  
IC rated  
Interior  
CIE flux code: 98 99 100 100 100

**LED**

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

**OPTICAL**

Standard  
beam angle 32°

**ELECTRICAL**

excl. driver  
18 V  
inset 8.6 W  
Class 3

**PHYSICAL**

length 100 mm  
width 56 mm  
height 43 mm  
0.16 kg  
wire springs

**CUTOUT**

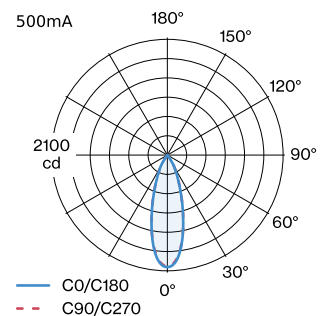
length 93 mm  
width 50 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 25 mm  
recessed depth 60 mm

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

**MEASURED DRIVER**

500mA  
770 lm  
11.5 W

**LIGHT DISTRIBUTION**




**CONE DIAGRAM**

standard 32° 500mA

h (m)	E0° (lx)	ø (m)
1	2030	0.57
2	510	1.14
3	230	1.72
4	130	2.29
5	80	2.86

**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 × 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.

**ELECTRICAL ACCESSORIES**
**Driver**

Type	Voltage	L·W·H (MM)	Item number
10W   500mA   12-20V   phase-cut dim	12-20V	122-41-23	90224503
20W   500mA   3-40V   DALI	3-40V	116-40.5-22	90244604
24W   500mA   6-49V	6-49V	143-43-30	90244701

**OPTICAL ACCESSORIES**
**Honeycomb Louver**

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