

**3 YEARS**  
WARRANTY



**3 CCT**  
**CHANGEABLE**

6500K 4000K 3000K

VIDEO



**COB102**

LED Downlight

**12W**

**12Wx2**

**12Wx3**

**specification**

PRODUCT NAME :	LED DOWNLIGHT
MODEL NO. :	COB102 12W/12Wx2/12Wx3
SPECIFICATION :	AC220-240V, 50-60Hz, 12W/12WX2/12WX3
WORKING TEMP :	-20-50(°C)
Flicker Free :	Yes
CRI(RA) :	>90
COLOR :	White+White/Black+Black
LIGHT SOURCE :	COB
LUMEN :	80 LM/W
LIFE TIME :	30000 Hrs
BEAM ANGLE :	24°
PRODUCT SIZE :	88*88*80mm/168*88*80mm/247*88*80mm
CUTOUT SIZE:	75*75mm/160*75mm/240*75mm
IP :	IP20
APPLICATION :	Home, Shop, Hotel..etc.
WARRANTY :	3 years
STANDARD :	CE

**Color Temperature:**

**6500K-4000K-3000K Changeable**



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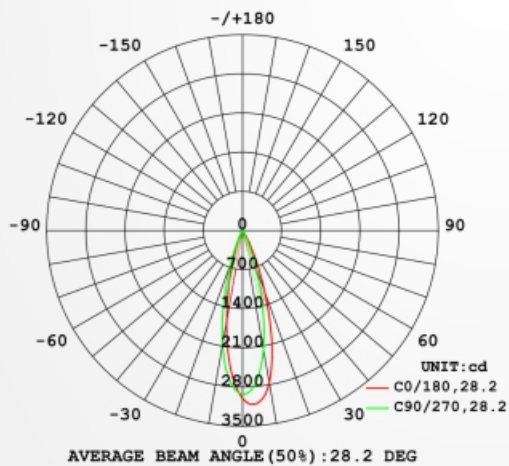
# 12W

## LUMINAIRE PHOTOMETRIC TEST REPORT

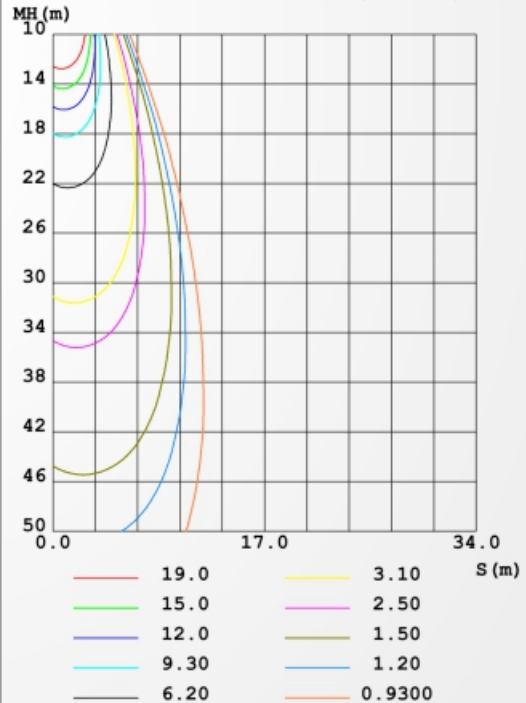
NAME: COB102 LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 63mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 73.71 lm/W
MODEL	COB102 12W	I <sub>max</sub> (cd)	3112	S/MH (C0/180)	0.37	
NOMINAL POWER (W)	12w	LOR (%)	100.0	S/MH (C90/270)	0.46	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	879.76	η UP, DN (C0-180)	3.1, 49.9	
NOMINAL FLUX (lm)	879.757	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.8, 45.2	
LAMPS INSIDE	1	η up (%)	4.9	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	220	η down (%)	95.1	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: JACK  
 Test Date: 24 March 2025

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
 Humidity: 63.0%  
 Test Distance: 11.565m [K=1.0000]  
 Remarks:



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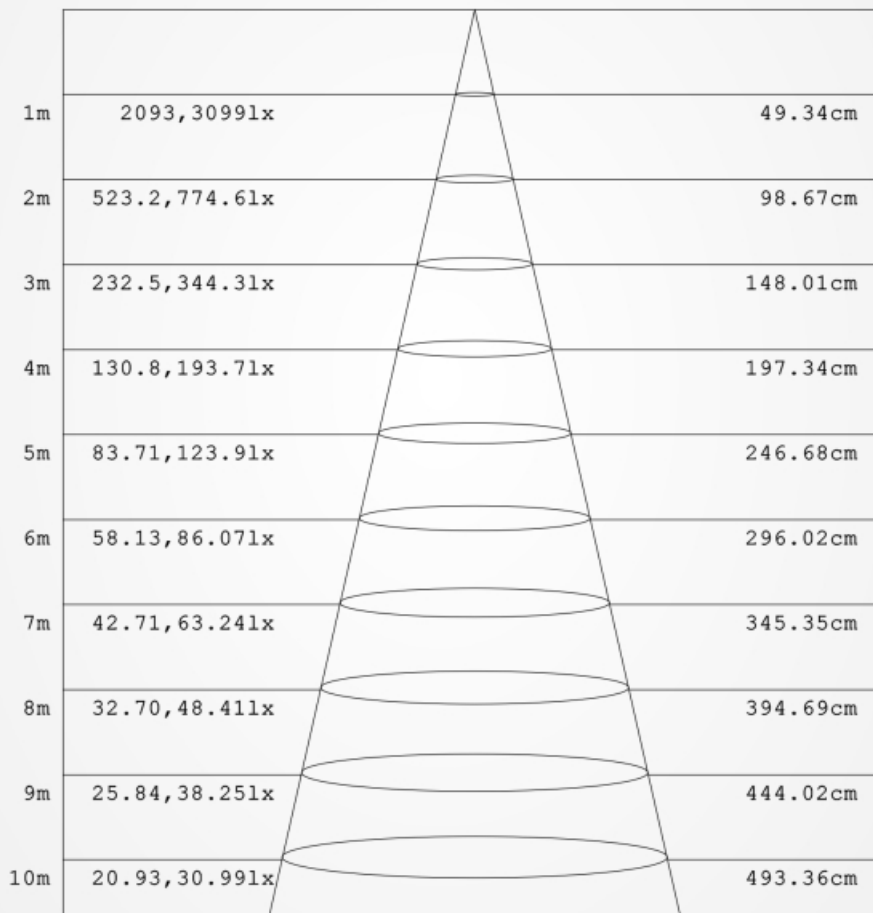


# 12W

## AAI FIGURE

NAME: COB102 LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 63mm	Shielding Angle:

Flux out: 408.7 lm



Height                      Eavg, Emax                      Angle: 27.71deg                      Diameter

**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: JACK

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
Humidity: 63.0%  
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