



**3 CCT
CHANGEABLE**



VIDEO



ROOSO
LED Downlight

7W / 12W

specification

PRODUCT NAME :	ROOSO LED DOWNLIGHT
MODEL NO. :	COB51 7W/12W
SPECIFICATION :	AC220-240V, 50-60Hz, 7W/12W
WORKING TEMP :	-20-50(°C)
POWER FACTOR :	>0.6
CRI(RA) :	>80
COLOR :	Pearl Silver+Gold / Pearl Silver+Chrome / Gun metal+Chrome / Gold+Chrome
LIGHT SOURCE :	COB Chip
LUMEN :	90 LM/W
BEAM ANGLE :	90°
PRODUCT SIZE :	105*45mm/135*50mm
CUTOUT :	80mm/110mm
IP :	IP20
APPLICATION :	Home, Shop, Hotel..etc.
WARRANTY :	3 years
STANDARD :	CE

Color Temperature:

6500K-4000K-3000K Changeable



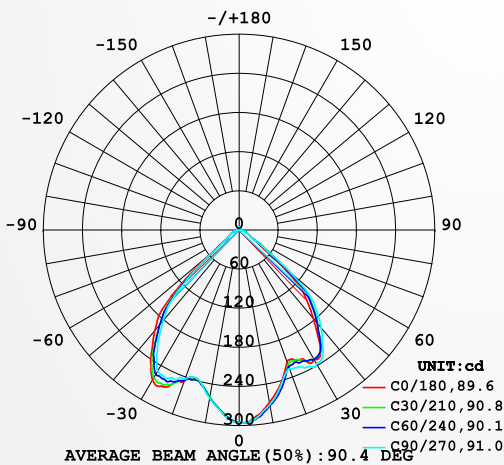
7W

LUMINAIRE PHOTOMETRIC TEST REPORT

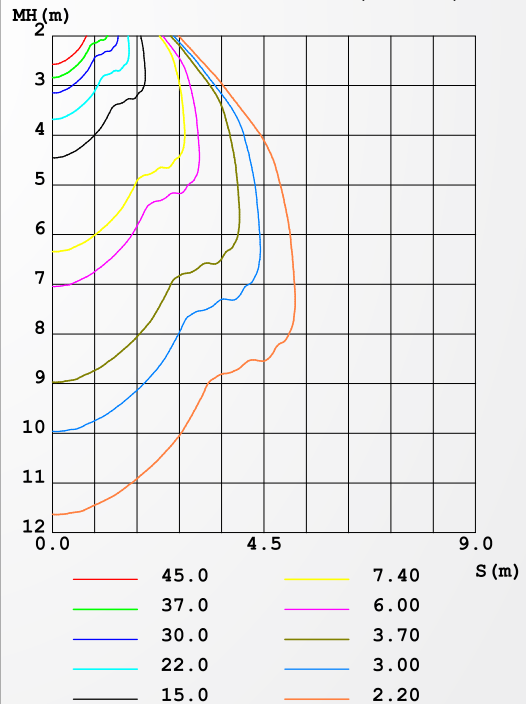
NAME: ROOSO LED DOWNLIGHT	TYPE: COB	WEIGHT:
SPEC.: 7W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 6.7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	COB51 7W	Imax (cd)	296.4	S/MH (C0/180)	1.29
NOMINAL POWER (W)	7	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	530.17	η UP, DN (C0-180)	1.9, 49.6
NOMINAL FLUX (lm)	530.166	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 47.1
LAMPS INSIDE	1	η up (%)	3.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	96.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: JACK
Test Date: 2022-08-24

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity: 70.0%
Test Distance: 11.565m [K=1.0000]
Remarks:



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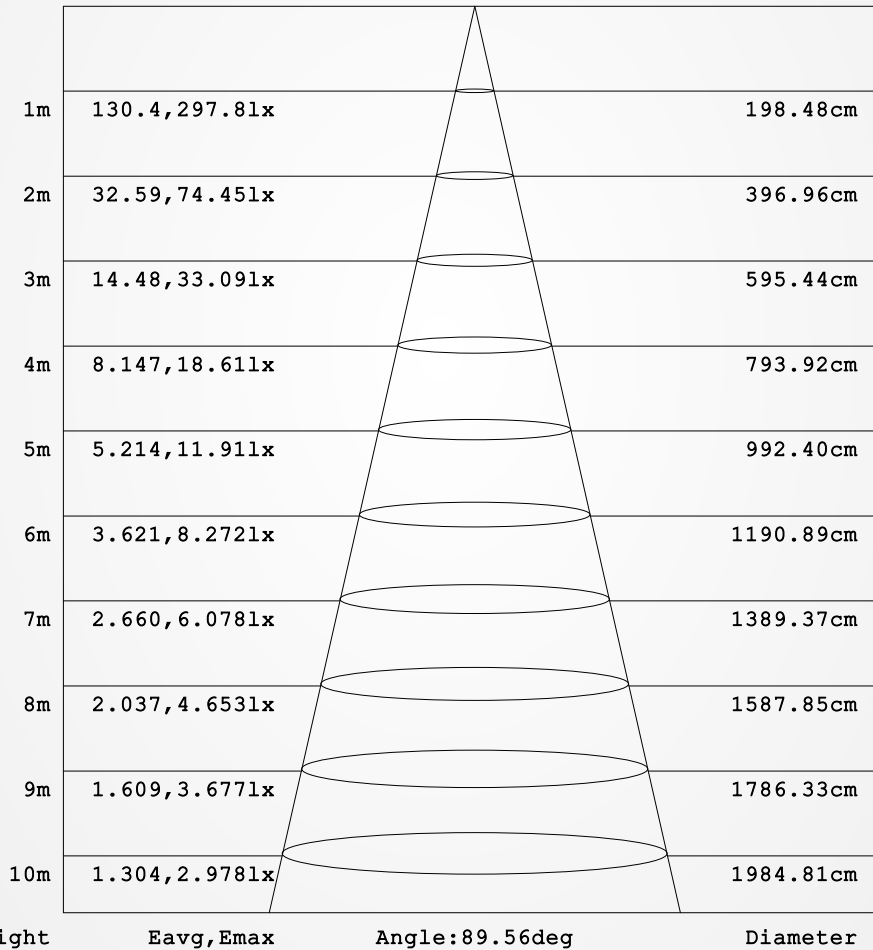


7W

AAI FIGURE

NAME: ROOSO LED DOWNLIGHT	TYPE: COB	WEIGHT:
SPEC.: 7W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 6.7	Shielding Angle:

Flux out: 409.5 lm



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

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: JACK
Test Date: 2022-08-24

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity: 70.0%
Test Distance: 11.565m [K=1.0000]
Remarks:



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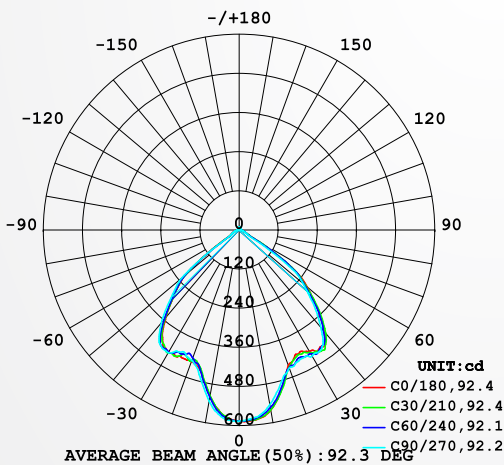
12W

LUMINAIRE PHOTOMETRIC TEST REPORT

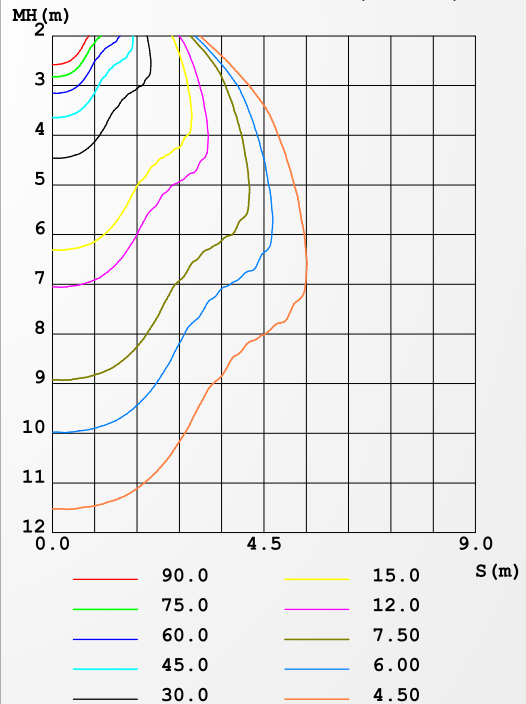
NAME: ROOSO LED DOWNLIGHT	TYPE: COB	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 9.6	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	COB51 12W	Imax (cd)	588.7	S/MH (C0/180)	1.08
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.04
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1085.3	η UP, DN (C0-180)	1.9, 50.0
NOMINAL FLUX (lm)	1085.34	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 46.7
LAMPS INSIDE	1	η up (%)	3.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	96.7	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: JACK
 Test Date: 2022-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity: 70.0%
 Test Distance: 11.565m [K=1.0000]
 Remarks:



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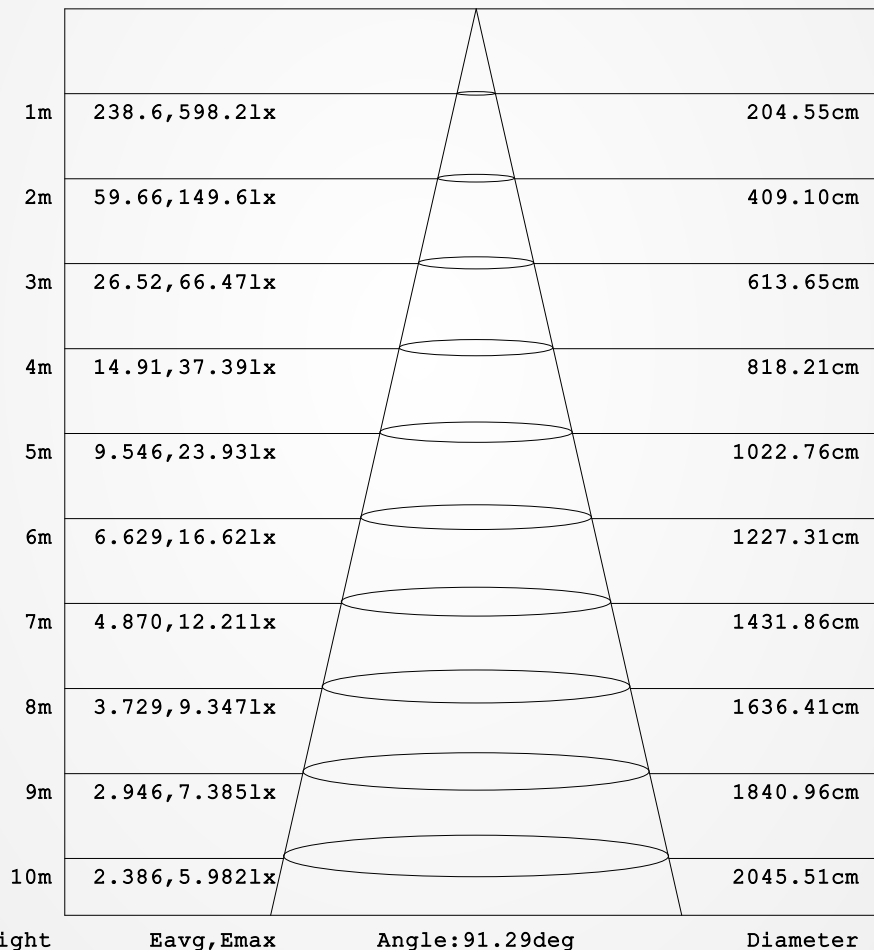


12W

AAI FIGURE

NAME: ROOSO LED DOWNLIGHT	TYPE: COB	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 9.6	Shielding Angle:

Flux out: 803.9 lm



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

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: JACK
Test Date: 2022-08-24

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity: 70.0%
Test Distance: 11.565m [K=1.0000]
Remarks:



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NEXLITE PRODUCTS