

VIDEO



COB87
Ceiling Downlight

3W

5W

7W

10W

12W

specification

| | |
|-----------------|---|
| PRODUCT NAME : | LED CEILING DOWNLIGHT |
| MODEL NO. : | COB87 3W/5W/7W/10W/12W |
| SPECIFICATION : | AC220-240V, 50-60Hz, 3W/5W/7W/10W/12W |
| WORKING TEMP : | -20-50(°C) |
| POWER FACTOR : | >0.6 |
| CRI(RA) : | >80 |
| COLOR : | White/Black |
| LIGHT SOURCE : | COB |
| LUMEN : | 80LM/W |
| BEAM ANGLE : | 30° |
| PRODUCT SIZE : | 60*21mm/75*21mm/85*21mm/105*21mm/125*21mm |
| IP : | IP20 |
| APPLICATION : | Home, shop, hotel..etc. |
| WARRANTY : | 3 years |
| STANDARD : | CE |

Color Temperature:

6500K / 4000K / 3000K



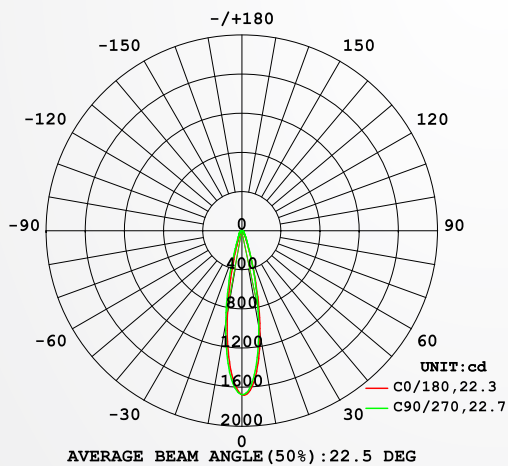
7W

LUMINAIRE PHOTOMETRIC TEST REPORT

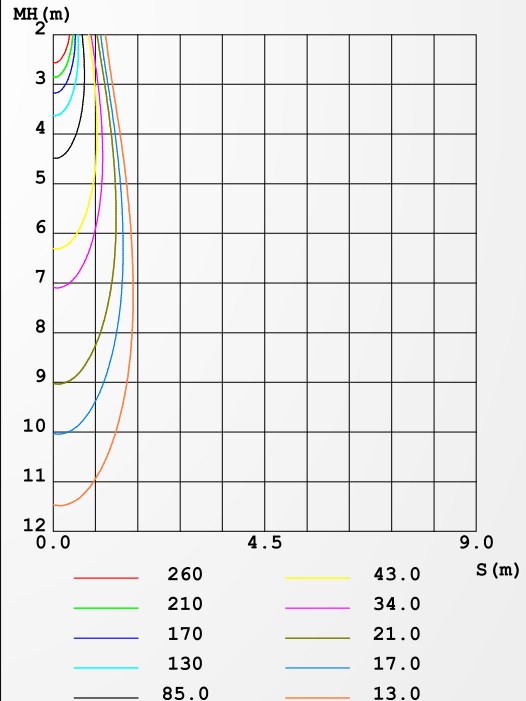
| | | |
|-----------------------------|-----------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.11KG |
| SPEC.: COB87 7W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.:42mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 67.56 lm/W |
|-------------------|----------|------------------|--------|---------------------|-----------|-----------------|
| MODEL | COB87 7W | Imax (cd) | 1682 | S/MH (C0/180) | 0.35 | |
| NOMINAL POWER (W) | 7 | LOR (%) | 100.0 | S/MH (C90/270) | 0.38 | |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 437.49 | η UP, DN (C0-180) | 1.9, 49.4 | |
| NOMINAL FLUX (lm) | 437.49 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 1.2, 47.5 | |
| LAMPS INSIDE | 1 | η up (%) | 3.0 | CIBSE SHR NOM | 0.00 | |
| TEST VOLTAGE (V) | 220 | η down (%) | 97.0 | 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: MEDIUM
 Temperature: 28DEG
 Operators: JACK
 Test Date: 08 August 2022

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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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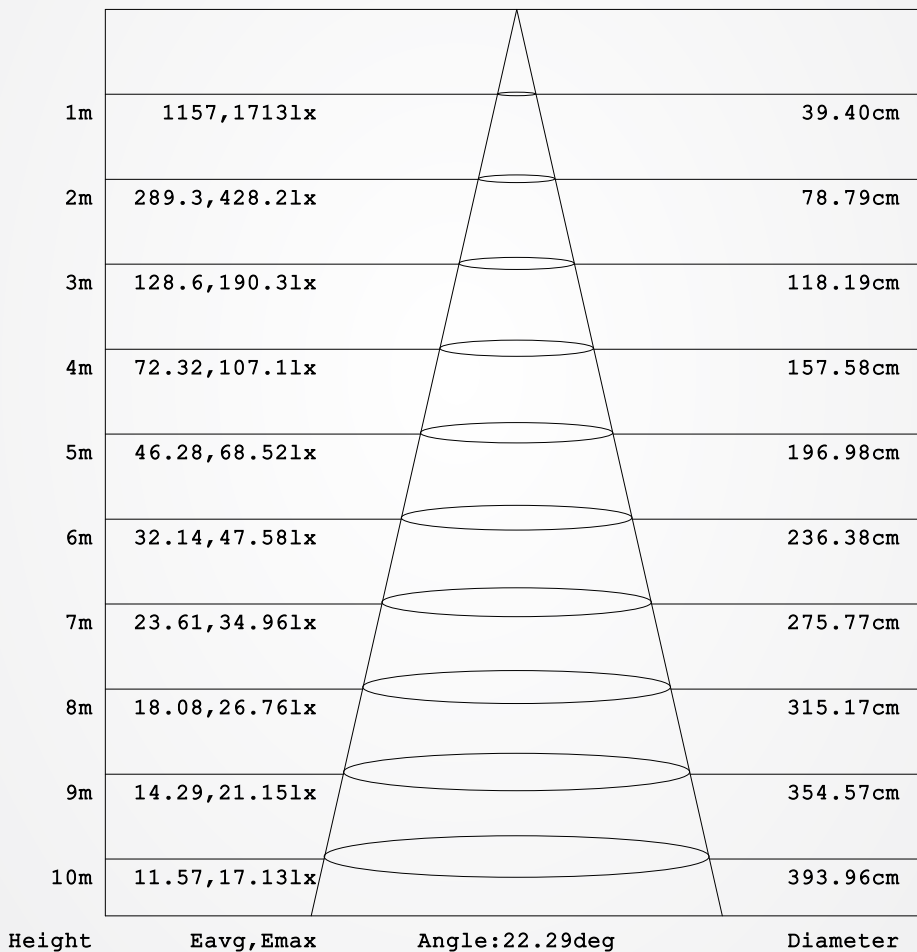


7W

AAI FIGURE

| | | |
|-----------------------------|-----------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.11KG |
| SPEC.: COB87 7W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.:42mm | Shielding Angle: |

Flux out:150.5 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: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:JACK
Test Date:08 August 2022

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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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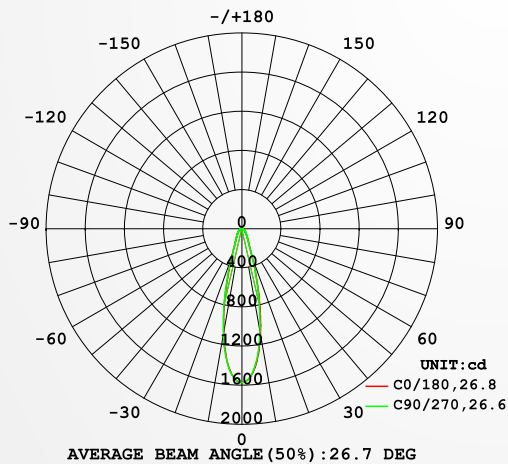
10W

LUMINAIRE PHOTOMETRIC TEST REPORT

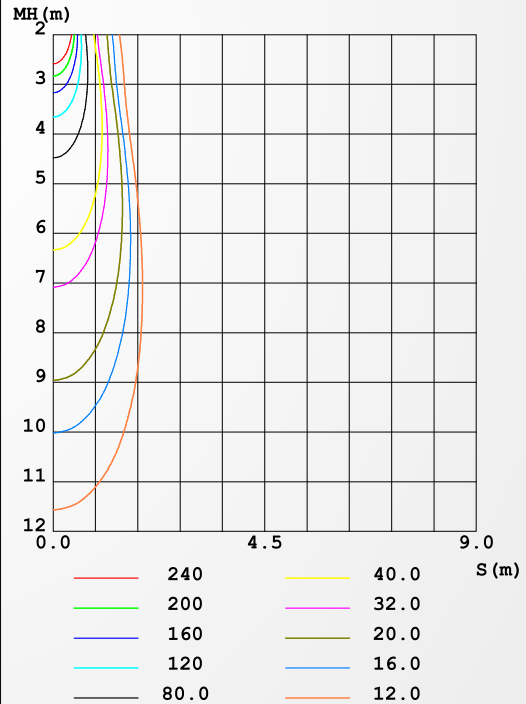
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|-----------------------------|------------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.15KG |
| SPEC.: COB87 10W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.: 65mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 66.99 lm/W |
|-------------------|-----------|------------------|--------|---------------------|-----------|-----------------|
| MODEL | COB87 10W | Imax (cd) | 1573 | S/MH (C0/180) | 0.45 | |
| NOMINAL POWER (W) | 10 | LOR (%) | 100.0 | S/MH (C90/270) | 0.45 | |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 582.42 | η UP, DN (C0-180) | 1.9, 47.9 | |
| NOMINAL FLUX (lm) | 582.42 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 1.2, 49.0 | |
| LAMPS INSIDE | 1 | η up (%) | 3.1 | CIBSE SHR NOM | 0.00 | |
| TEST VOLTAGE (V) | 220 | η down (%) | 96.9 | 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: MEDIUM
 Temperature: 28DEG
 Operators: JACK
 Test Date: 08 August 2022

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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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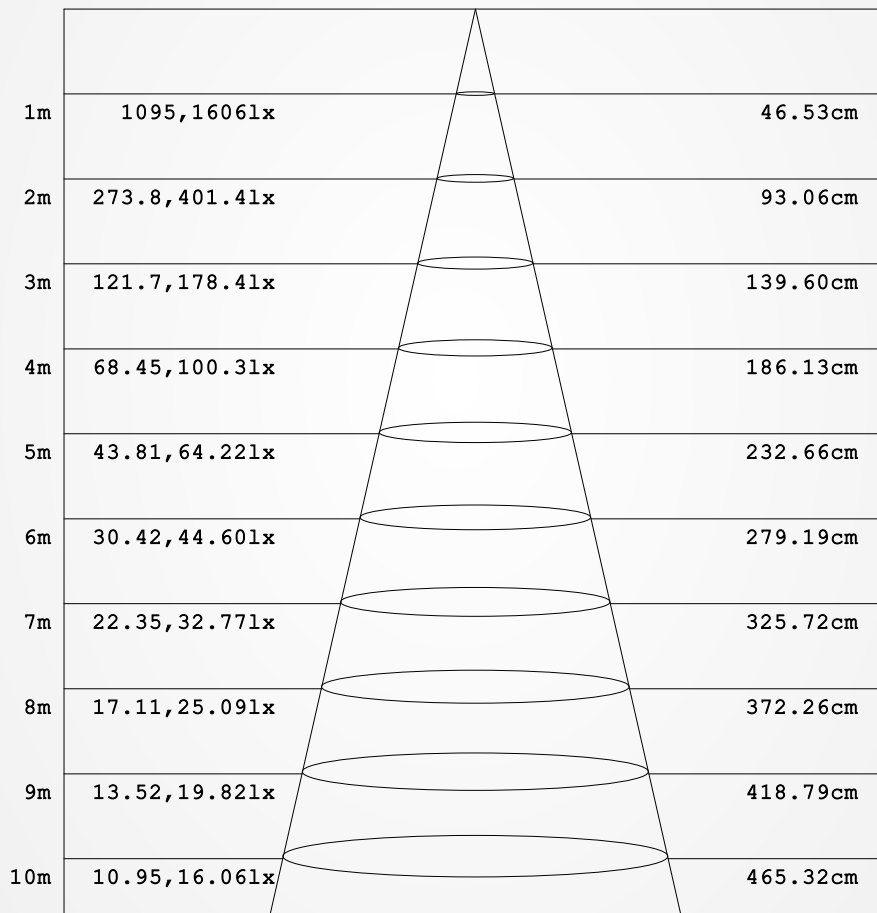


10W

AAI FIGURE

| | | |
|-----------------------------|------------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.15KG |
| SPEC.: COB87 10W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.: 65mm | Shielding Angle: |

Flux out:198.3 lm



Height Eavg, Emax Angle:26.19deg 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: MEDIUM
Temperature:28DEG
Operators:JACK
Test Date:08 August 2022

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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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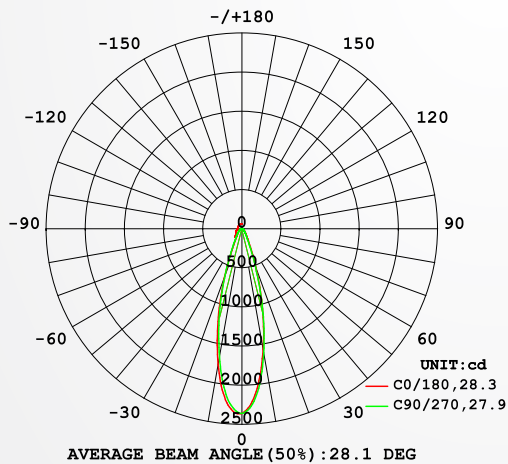
12W

LUMINAIRE PHOTOMETRIC TEST REPORT

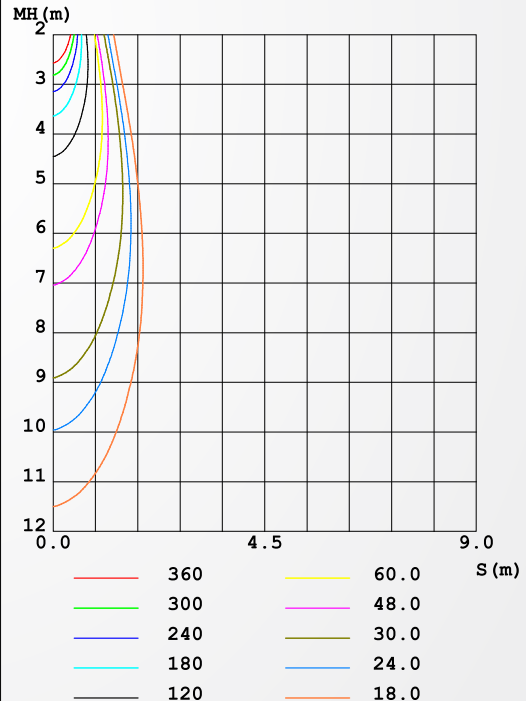
| | | |
|-----------------------------|-----------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.22KG |
| SPEC.: COB87 12W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.:85mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|-----------|------------------|--------|--------------------------|-----------|
| MODEL | COB87 12W | Imax (cd) | 2365 | S/MH (C0/180) | 0.50 |
| NOMINAL POWER (W) | 12 | LOR (%) | 100.0 | S/MH (C90/270) | 0.48 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 874.01 | η UP, DN (C0-180) | 1.9, 43.3 |
| NOMINAL FLUX (lm) | 874.009 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 3.6, 51.2 |
| LAMPS INSIDE | 1 | η up (%) | 5.5 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE (V) | 220 | η down (%) | 94.5 | CIBSE SHR MAX | 0.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: JACK
 Test Date: 08 August 2022

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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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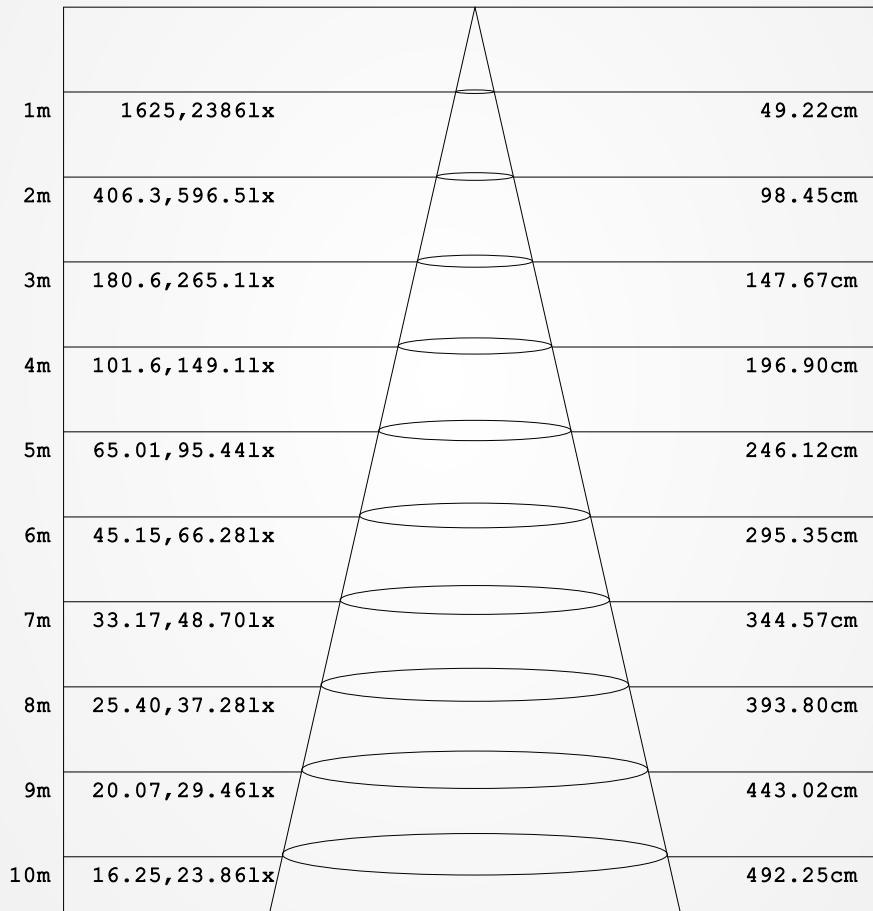


12W

AAI FIGURE

| | | |
|-----------------------------|-----------|------------------|
| NAME: LED CEILING DOWNLIGHT | TYPE: | WEIGHT:0.22KG |
| SPEC.: COB87 12W | DIM.: | SERIAL No.: |
| MFR.: NEXLEDS | SUR.:85mm | Shielding Angle: |

Flux out:317.4 lm



Height Eavg, Emax Angle:27.65deg 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: MEDIUM
Temperature:28DEG
Operators:JACK
Test Date:08 August 2022

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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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