# LED Downlight

## Ocshe Anti-Glare Series

Housing and Trim: Die-cast aluminium
Mounting type: Recess, Adjustable
Heat Management: Die-cast aluminium heat sink
Reflector: Aluminium, White, Silver & Black
Diffuser: PMMA Lens

LED Modules
GERMAN Technology
Comfort COB - up to 1,300lm x 1/2/3
Long service life time : 50,000 hours (L80/B10)
Ambient temperature - 40°C to +40°C

Drivers: 250mA
(optional: Dimmable available)
Power factor at full load : > 0.97
SELV , Low Ripple current < 1% ,THD <15%
Warranty: 5 years

Standards
EN 620301: LED modules for general lighting - Safety specification
EN 62471: Photobiological safety of lamps and systems
EN 55015: Radio disturbance emissions
EN 61000-3-2 Limited for harmonic emissions
EN 61547: Immunity requirement

Application: Commercial Building, Lobby, Conventional Hall, Ballroom, Concourse

Range of interchange-able reflector

R1 polished gold
R3 black
R2 polished silver
R4 matt white

Powered by:

**VS LIGHTING SOLUTIONS**

| Model | Wattage | Voltage | Frequency | Power Factor | Colour | Colour Temperature | Module Luminous Flux (Lm) | Module Efficacy Lm/W | Typ. Beam Angle | Typ. CRI Ra | Energy Efficiency | Dimension (Dia x H) mm | Dimension (Cut out) mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OXG-2-1x8W | 1x8.4W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 1275 | 151 | 12, 24, 36 | >80 | A+ | 115 x 115 x 70 | 100 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 1345 | 159 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 1385 | 164 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 1395 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |
| OXG-2-2x8W | 2x8.4W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 2x1275 | 151 | 12, 24, 36 | >80 | A+ | 230 x 115 x 70 | 215 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 2x1345 | 159 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 2x1385 | 164 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 2x1395 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |
| OXG-2-3x8W | 3x8.4W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 3x1275 | 151 | 12, 24, 36 | >80 | A+ | 350 x 115 x 70 | 335 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 3x1345 | 159 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 3x1385 | 164 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 3x1395 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |

*Colour tolerance: 3 MacAdam     **Production tolerance of luminous flux and efficiency: ±10%     ***Min. CRI ±3%     ****Power consumption: ±10%
The values contained in this data sheet can change due to technical innovations without notifications, therefore kindly refer to us when during order.

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Diffuser: PMMA Lens

LED Modules
GERMAN Technology
Comfort COB - up to 1,600lm x 1/2/3
Long service life time : 50,000 hours (L80/B10)
Ambient temperature - 40°C to +40°C

Drivers: 300mA
(optional: Dimmable available)
Power factor at full load : > 0.97
SELV , Low Ripple current < 1% ,THD <15%
Warranty: 5 years

Standards
EN 620301: LED modules for general lighting - Safety specification
EN 62471: Photobiological safety of lamps and systems
EN 55015: Radio disturbance emissions
EN 61000-3-2 Limited for harmonic emissions
EN 61547: Immunity requirement

Range of interchange-able reflector

R1 polished gold
R2 polished silver
R3 black
R4 matt white

Powered by:

VS LIGHTING SOLUTIONS

Application: Commercial Building, Lobby, Conventional Hall, Ballroom, Concourse

| Model | Wattage | Voltage | Frequency | Power Factor | Colour | Colour Temperature | Module Luminous Flux (Lm) | Module Efficacy Lm/W | Typ. Beam Angle | Typ. CRI Ra | Energy Efficiency | Dimension (Dia x H) mm | Dimension (Cut out) mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OXG-2-1x10W | 1x10.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 1505 | 146 | 12, 24, 36 | >80 | A+ | 115 x 115 x 70 | 100 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 1585 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 1630 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 1645 | 160 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |
| OXG-2-2x10W | 2x10.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 2x1505 | 146 | 12, 24, 36 | >80 | A+ | 230 x 115 x 70 | 215 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 2x1585 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 2x1630 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 2x1645 | 160 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |
| OXG-2-3x10W | 3x10.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 3x1505 | 146 | 12, 24, 36 | >80 | A+ | 350 x 115 x 70 | 335 x 100 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 3x1585 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 3x1630 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 3x1645 | 160 | 12, 24, 36 | >80 | A+ | | |
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Diffuser: PMMA Lens

LED Modules
GERMAN Technology
Comfort COB - up to 2,800lm x 1/2/3
Long service life time : 50,000 hours (L80/B10)
Ambient temperature - 40°C to +40°C

Drivers: 500mA
(optional: Dimmable available)
Power factor at full load : > 0.97
SELV , Low Ripple current < 1% ,THD <15%
Warranty: 5 years

Standards
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EN 62471: Photobiological safety of lamps and systems
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Range of interchange-able reflector

R1 polished gold
R2 polished silver
R3 black
R4 matt white

Powered by:

**VS LIGHTING SOLUTIONS**

Application: Commercial Building, Lobby, Conventional Hall, Ballroom, Concourse

| Model | Wattage | Voltage | Frequency | Power Factor | Colour | Colour Temperature | Module Luminous Flux (Lm) | Module Efficacy Lm/W | Typ. Beam Angle | Typ. CRI Ra | Energy Efficiency | Dimension (Dia x H) mm | Dimension (Cut out) mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OXG-3-1x17W | 1x17.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 2585 | 149 | 12, 24, 36 | >80 | A+ | 138 x 138 x 90 | 125 x 125 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 2725 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 2805 | 162 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 2860 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 2830 | 164 | 12, 24, 36 | >80 | A+ | | |
| OXG-3-2x17W | 2x17.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 2x2585 | 149 | 12, 24, 36 | >80 | A+ | 278 x 138 x 90 | 263 x 125 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 2x2725 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 2x2805 | 162 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 2x2860 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 2x2830 | 164 | 12, 24, 36 | >80 | A+ | | |
| OXG-3-3x17W | 3x17.3W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 3x2585 | 149 | 12, 24, 36 | >80 | A+ | 417 x 138 x 90 | 400 x 125 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 3x2725 | 158 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 3x2805 | 162 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 3x2860 | 165 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 3x2830 | 164 | 12, 24, 36 | >80 | A+ | | |
| | | | | | | | | | | | | | |

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Comfort COB - up to 4,800lm x 1/2/3
Long service life time : 50,000 hours (L80/B10)
Ambient temperature - 40°C to +40°C

Drivers: 900mA
(optional: Dimmable available)
Power factor at full load : > 0.97
SELV , Low Ripple current < 1% ,THD <15%
Warranty: 5 years

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Range of interchange-able reflector

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| Model | Wattage | Voltage | Frequency | Power Factor | Colour | Colour Temperature | Module Luminous Flux (Lm) | Module Efficacy Lm/W | Typ. Beam Angle | Typ. CRI Ra | Energy Efficiency | Dimension (Dia x H) mm | Dimension (Cut out) mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OXG-4-1x32W | 1x32.0W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 4455 | 139 | 12, 24, 36 | >80 | A+ | 163 x 163 x 100 | 150 x 150 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 4690 | 147 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 4830 | 151 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 4920 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 4875 | 152 | 12, 24, 36 | >80 | A+ | | |
| OXG-4-2x32W | 2x32.0W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 2x4455 | 139 | 12, 24, 36 | >80 | A+ | 330 x 163 x 100 | 315 x 150 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 2x4690 | 147 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 2x4830 | 151 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 2x4920 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 2x4875 | 152 | 12, 24, 36 | >80 | A+ | | |
| OXG-4-3x32W | 3x32.0W | 220-240 | 50/60Hz | 0.9 | Warm white | 2700K | 3x4455 | 139 | 12, 24, 36 | >80 | A+ | 495 x 163 x 100 | 480 x 150 |
| | | 220-240 | 50/60Hz | 0.9 | Warm white | 3000K | 3x4690 | 147 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Neutral white | 4000K | 3x4830 | 151 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5000K | 3x4920 | 154 | 12, 24, 36 | >80 | A+ | | |
| | | 220-240 | 50/60Hz | 0.9 | Cool white | 5700K | 3x4875 | 152 | 12, 24, 36 | >80 | A+ | | |
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