

OBSTRUCTION LIGHTING CATALOGUE

JUNE 2019

Smooth Aviation Ltd

Edition 2
smoothaviation.com



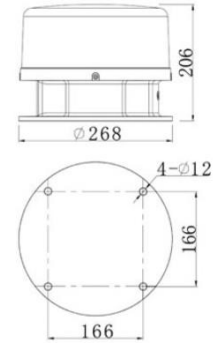
Obstruction Lighting

Run from a 220 AC connection for use in certified environments such as buildings, cranes, towers and obstruction in and outside an airfield boundary. All ICAO certified. All units come with a 5-year warranty.

SA-OBL16R – Medium Intensity Obstruction Light – Red



- Power Consumption – $\leq 10\text{w}$
- Flashing Frequency – 20-60/min
- Intensity – **2000cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / 3° Spread
- GPS Synchronization
- IP65 & Lighting Protection 15KA
- Operating temp – -40°C to 55°C
- Weight 2.5kg
- Max windspeed - 178mph



CM-15 Structure chart



Used for several applications and can be used with other units via GPS synchronization.

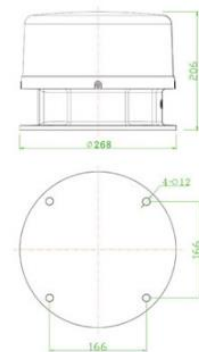
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.
- Frangible base available.

SA-OBL15 – Medium Intensity Obstruction Light – Red or White



- Power Consumption – $\leq 10\text{w}$ Night / $\leq 30\text{w}$ Day
- Flashing Frequency – 20-60/min
- Intensity – **20,000 day / 2000cd night.**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / 3° Spread
- GPS Synchronization
- IP65 & Lighting Protection 15KA
- Operating temp – -40°C to 55°C
- Weight 7kg
- Max windspeed - 178mph



CK-13 Structure chart



Used for several applications and can be used with other units via GPS synchronization.

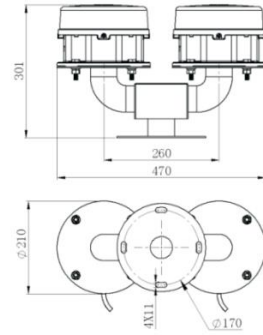
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor providing brighter output in daytime.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.
- Frangible base available.

SA-OBL146R/2- Dual Medium Intensity Obstruction Light – Red



- Power Consumption – $\leq 20\text{w}$
- Flashing Frequency – 20-60/min
- Intensity – **2000cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / 3° Spread
- GPS Synchronization
- IP65 & Lighting Protection 15KA
- Operating temp – -40°C to 55°C
- Weight 7kg
- Max windspeed - 140mph



Used for several applications and can be used with other units via GPS synchronization. Dual unit ideal for obstructions with a large spread, instead of placing 2 single units next to each other.

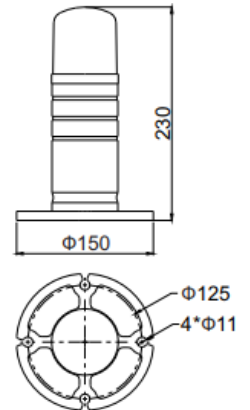
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.
- Frangible base available.

SA-OBL11- Low Intensity Obstruction Light – Red



- Power Consumption – $\leq 5\text{w}$
- Steady Burning
- Intensity – **32cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / $\geq 3^{\circ}$ Spread
- IP65 & Lighting Protection 10KA
- Operating temp – -40°C to 55°C
- Weight 1kg
- Max windspeed - 178mph



Used for several applications especially the industrial market or aerodrome airside obstructions.

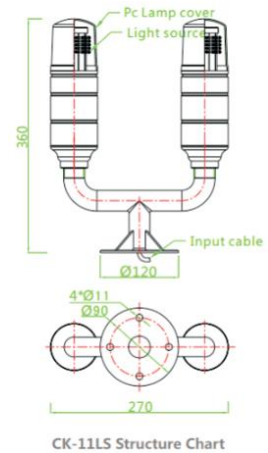
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.

SA-OBL11/2 – Dual Low Intensity Obstruction Light – Red



- Power Consumption – ≤5w
- Steady Burning
- Intensity – **32cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / ≥3° Spread
- IP65 & Lighting Protection 10KA
- Operating temp – -40°C to 55°C
- Weight 3kg
- Max windspeed - 178mph



Used for several applications especially the industrial market or aerodrome airside obstructions.

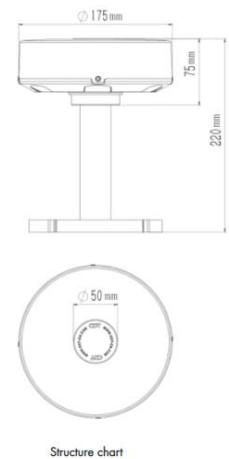
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Strong build, simple design and high-quality LED's provide a market leading 100,000 hour life span.

SA-OBL12– Low Intensity Obstruction Light with Base – Red



- Power Consumption – ≤5w
- Steady Burning
- Intensity – **32cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / ≥3° Spread
- IP65 & Lighting Protection 10KA
- Operating temp – -40°C to 55°C
- Weight 1.5kg
- Max windspeed - 100mph



Used for several applications especially the industrial market or aerodrome airside obstructions.

Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Strong build, simple design and high-quality LED's provide a market leading 100,000 hour life span.
- Frangible Base.

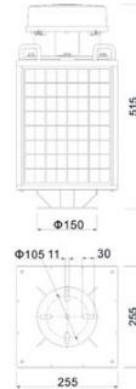
Solar Obstruction Lighting

Solar Powered with battery for use in certified environments such as buildings, cranes, towers and obstruction in and outside an airfield boundary where power is not easily available or as a temporary solution. All ICAO certified. All units come with a 3-year warranty.

SA-OBL16R/SLR – Solar Medium Intensity Obstruction Light – Red



- Power Consumption – $\leq 10\text{w}$
- Flashing Frequency – 20-60/min
- Intensity – **2000cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / 3° Spread
- GPS Synchronization OPTIONAL
- IP65 & Lighting Protection 15KA
- Operating temp – -40°C to 55°C
- Weight 17kg
- Max windspeed - 149mph



CM-13-T Structure chart



Used for several applications and can be used with other units via GPS synchronization.

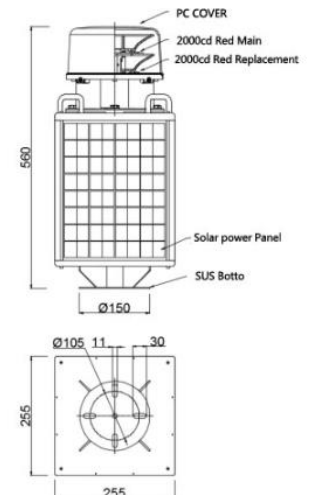
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Built-in chip computer precisely controlling discharge.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span
- No 230v Connection required, the ideal solution for temporary units.

SA-OBL15/SLR – Medium Intensity Obstruction Light – Red or White



- Power Consumption – $\leq 10\text{w}$ Night / $\leq 30\text{w}$ Day
- Flashing Frequency – 20-60/min
- Intensity – **20,000 day / 2000cd night.**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / 3° Spread
- GPS Synchronization OPTIONAL
- IP65 & Lighting Protection 15KA
- Operating temp – -40°C to 55°C
- Weight 17kg
- Max windspeed - 178mph



Used for several applications and can be used with other units via GPS synchronization.

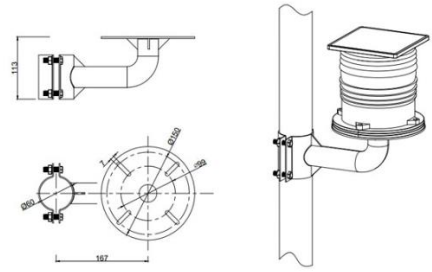
Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- Built-in chip computer precisely controlling discharge.
- In-built photo lux day/night sensor providing brighter output in daytime.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.
- No 230v Connection required, the ideal solution for temporary or inaccessible locations.

SA-OBL11/SLR – Low Intensity Obstruction Light – Red



- Power Consumption – $\leq 3\text{w}$
- Steady Burning
- Intensity – **32cd**
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / $\geq 3^\circ$ Spread
- IP65 & Lighting Protection 5KA
- Operating temp – -40°C to 55°C
- Weight 1kg
- Max windspeed - 158mph



Used for several applications especially the industrial market or aerodrome airside obstructions.

Features include:

- Casing with anti-UV which is high efficiency light transmission up to 90% and has a high impact resistance, suiting harsh environments.
- In-built photo lux day/night sensor.
- Built-in chip computer precisely controlling discharge.
- No 230v Connection required, the ideal solution for temporary or inaccessible locations.
- Strong build, simple design and high-quality LED's provide a market leading 100,000-hour life span.
- Bracket available.

SA-OBL18– High Intensity Obstruction Light



- Power Consumption – $\leq 5\text{w}$
- Flash Rate: 40 times/min
- Intensity –
 - $\leq 50\text{Lux} = 2000\text{cd}$ ($\pm 25\%$)
 - 50 to 500Lux = 20000cd ($\pm 25\%$)
 - $> 500\text{Lux} = 200,000\text{cd}$ ($\pm 25\%$)
- Lifespan – 100000 hours
- Beam Angle – 360° Horizontal / $\geq 3^\circ$ Spread
- IP65 & Lighting Protection 10KA
- Operating temp – -40°C to 55°C
- Weight 8kg
- Max windspeed - 170mph

Used for obstructions above 150m. Not below.