

DESCRIPTION

Compliance

- In compliance with
- CEI/EN 60598-1:2008 Lighting source
- CEI/EN 60598-2-3 Street lighting source
- EN 62471 photobiological risk EXEMPT GROUP RG0.
- EN 62031 Led modul.
- 2004/108/CE Electromagnetic compatibilities for lighting luminaire
- UNI 10819 lighting pollution EXEMPT

Dimensions - Area - Weight

- Height 745 mm
- Width 450 mm
- Length 450 mm
- Area exposed to wind (S) 0.15 m²
- Weight 7.3 Kg

Electrical characteristics

- Voltage 220-240V
- Frequency 50-60 Hz
- P. Rating 55 W
- IP CL II
- CL I
- Cos ϕ > 0.9
- Operative Temp. -30°C...+40°C
- Equipped with n. 12 Osram chip - 21,4w , 2057 lumen ,lifetime 70000h 4K , asymmetric optic

Connection

- Flange with a hole diam. 28 mm, on bottom frame for fixing to support.
- Suitable for head post or bracket.

Materials

- Die-cast and extruded aluminum (UNI EN 1706).
- Sheet aluminum.
- Stainless steel fasteners.

Structure - Main components

- Tilting upper square frame made in die-cast aluminum, for access to the auxiliary and optical compartment.
- Bottom frame made in die-cast aluminum with four-armed bracket with flange and a hole (diam. 28 mm) for attachment to the support.
- Electric cable (diam. max 14 mm) fixed to a upright (not included) .
- Support plate LED module in aluminum sheet with high thickness for an optimal heat dissipation.

Optics

- Refractive lens / PC screen - Geometry road and mixed areas.
- Refractive lens / PC screen -Rotosymmetrical for mixed areas.

Electrical auxiliaries

- Electronic power supply for LED module.
- Terminals for wires with a max. section of 2,5 mm²

Operations and maintenance

- To access the optical and wiring compartment, unscrew a screw on upper frame and rotate it.
- Separate electronic driver from LED module, individually replaceable.
- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog (the operations must be performed with the line power off and with luminaire cold).

Painting

- Standard color is dark gray, type EUROCOMITALIA.
- Information about paint steps used on this product in specific technical sheet.



Scala 1:10

OSRAM LED module



COD.SA	COD.CL	COD.DA	COD.OC	W	LUMEN	K	Hours	Dimesions	Optics
SA01	CL01	DA01	OC01	15	1440		80.000	20 x 9 x 9 cm	AS
SA02	CL02	DA02	OC02	21,4	2057	4000	70.000		
SA03	CL03	DA03	OC03	30	2880		60.000		
SA03P	CL03P	DA03P	OC03P	42,8	4114		50.000		
SA04	CL04	DA04	OC04	15	1368		80.000	20 x 9 x 9 cm	AR
SA05	CL05	DA05	OC05	21,4	1954	4000	70.000		
SA06	CL06	DA06	OC06	30	2736		60.000		
SA06P	CL06P	DA06P	OC06P	42,8	3908		50.000		
SA07	CL07	DA07	OC07	15	1483		80.000	20 x 9 x 9 cm	AE
SA08	CL08	DA08	OC08	21,4	2118	4000	70.000		
SA09	CL09	DA09	OC09	30	2966		60.000		
SA09P	CL09P	DA09P	OC09P	42,8	4237		50.000		
SA10	CL10	DA10	OC10	15	1296		80.000	20 x 9 x 9 cm	AS
SA11	CL11	DA11	OC11	21,4	1851	3000	70.000		
SA12	CL12	DA12	OC12	30	2592		60.000		
SA12P	CL12P	DA12P	OC12P	42,8	3702		50.000		
SA13	CL13	DA13	OC13	15	1231		80.000	20 x 9 x 9 cm	AR
SA14	CL14	DA14	OC14	21,4	1758	3000	70.000		
SA15	CL15	DA15	OC15	30	2462		60.000		
SA15P	CL15P	DA15P	OC15P	42,8	3517		50.000		
SA16	CL16	DA16	OC16	15	1334		80.000	20 x 9 x 9 cm	AE
SA17	CL17	DA17	OC17	21,4	1906	3000	70.000		
SA18	CL18	DA18	OC18	30	2669		60.000		
SA18P	CL18P	DA18P	OC18P	42,8	3812		50.000		

EN 60598-1:2008-10 Luminaires - general requirements and tests ; EN 60598-2-3:2003-10 Particular requirements - Luminaires for road and street lighting; EN 62031:2008-09 LED modules for general lighting-Safety specifications ; EN 62471:2008-09 Photobiological safety of lamps and lamp systems; EN 61347-1:2001-09 Lamp control gear - General and safety requirements; EN 61347-2-13:2007-09 Lamp control gear - Particular requirements for d.c. or a.c. supplied electronic control gear for led modules; EN 62384:2007-08 D.C. or A.C. supplied electronic control gear for LED modules - Performance requirements , 2006/95/CE ; 2004/108/CE.

Mechanics	Aluminum
Screen	LEDiL IP67 printed optics, resistant to UV rays and IK10 impact
Optical group	Asymmetrical, roto-symmetrical, elliptical optics with high-precision collimators for concentrating the light beam
LED type	OSRAM CHIP
Color temperature	Neutral White (4000K - 5000K) / Power LED Warm White (3000 K)
Laser safety class	1M
ON / OFF TIME	ta < 1 s - ts < 1 s (instant on/off)
Power supply	220-240V - 24V a.c. / 50-60 Hz Electronic power supplies integrated into the structure with efficiency > = 88%
Insulation	II
Protection degree	Mechanics and LED compartment IP66 / Power supply compartment IP66
Control type	STAND ALONE, CL0, DALI, POWER LINE COMMUNICATIONS
Life time	50.000 hrs (L85)
Color rendering index (CRI)	>= 80 up to 3000 K
LED junction temperature	Tj 85 °C
Light flow depreciation (LLMF)	0,80 (L80)
Photobiological risk	Free
Diode temperature protection	NTC (node temperature control) heat overstress protection
Protection from electric overstress (EOS)	EOS FREE up to 9 kV



OSRAM LED module



COD.SA	COD.CL	COD.DA	COD.OC	W	LUMEN	K	Hours	Dimesions	Optics
SA19	CL19	DA19	OC19	29,5	2836		80.000	20 x 18 x 9 cm	AS
SA20	CL20	DA20	OC20	42,2	4052	4000	70.000		
SA21	CL21	DA21	OC21	59,1	5673		60.000		
SA21P	CL21P	DA21P	OC21P	84	8104		50.000		
SA22	CL22	DA22	OC22	29,5	2694		80.000	20 x 18 x 9 cm	AR
SA23	CL23	DA23	OC23	42,2	3849	4000	70.000		
SA24	CL24	DA24	OC24	59,1	5389		60.000		
SA24P	CL24P	DA24P	OC24P	84	7698		50.000		
SA25	CL25	DA25	OC25	29,5	2921		80.000	20 x 18 x 9 cm	AE
SA26	CL26	DA26	OC26	42,2	4174	4000	70.000		
SA27	CL27	DA27	OC27	59,1	5843		60.000		
SA27P	CL27P	DA27P	OC27P	84	8347		50.000		
SA28	CL28	DA28	OC28	29,5	2553		80.000	20 x 18 x 9 cm	AS
SA29	CL29	DA29	OC29	42,2	3647	3000	70.000		
SA30	CL30	DA30	OC30	59,1	5106		60.000		
SA30P	CL30P	DA30P	OC30P	84	7371		50.000		
SA31	CL31	DA31	OC31	29,5	2425		80.000	20 x 18 x 9 cm	AR
SA32	CL32	DA32	OC32	42,2	3464	3000	70.000		
SA33	CL33	DA33	OC33	59,1	4850		60.000		
SA33P	CL33P	DA33P	OC33P	84	6928		50.000		
SA34	CL34	DA34	OC34	29,5	2629		80.000	20 x 18 x 9 cm	AE
SA35	CL35	DA35	OC35	42,2	3756	3000	70.000		
SA36	CL36	DA36	OC36	59,1	5259		60.000		
SA36P	CL36P	DA36P	OC36P	84	7512		50.000		

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