



**Characteristic**

Ingress protection of optical system	IP 66
Electrical class	II
Nominal input voltage	120 - 277 V AC
Frequency	50/60 Hz
Operating temperatures	-40°C to +40°C
Material	anodized aluminium alloy
Colour	natural
Setup	mounted in the ceiling
Optical system	ROSA PMMA lens
LEDs type	CREE XM-L2
LEDs lifetime L90	>50 000h
Warranty	5 years





### Technical parameters

Type	LIBRA LED 72		LIBRA LED 96		LIBRA LED 120		LIBRA LED 144	
Code	230535/6	230535/3	230537/6	230537/3	230539/6	230539/3	230541/6	230541/3
Correlated colour temperature [K]	5 000	3 500	5 000	3 500	5 000	3 500	5 000	3 500
Color rendering index CRI	75 <sup>2)</sup>	>80	75 <sup>2)</sup>	>80	75 <sup>2)</sup>	>80	75 <sup>2)</sup>	>80
LEDs quantity	24		32		40		48	
Supply current [mA]	1 000							
LEDs power [W]	72		96		120		144	
LEDs luminous flux <sup>1)</sup> [lm]	10 500	8 500	13 950	11 350	17 450	14 200	20 950	17 000
Power consumption [W]	80		105		129		154	
Luminaire luminous flux <sup>1)</sup> [lm]	8 050	6 500	10 700	8 700	13 350	10 850	16 050	13 050
Luminaire efficacy [lm/W]	101	81	102	83	103	84	104	85
Weight [kg]	7,7		9,3		10		11,2	
A - luminaire length [mm]	427		519		560		642	
B - length of mounting hole [mm]	360		452		493		572	
Volume [m <sup>3</sup> ]	0,016		0,02		0,021		0,025	

- 1) including LEDs tolerance parameter accuracy +/- 3%  
2) parameter accuracy +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08

Distribution of LIBRA LED

