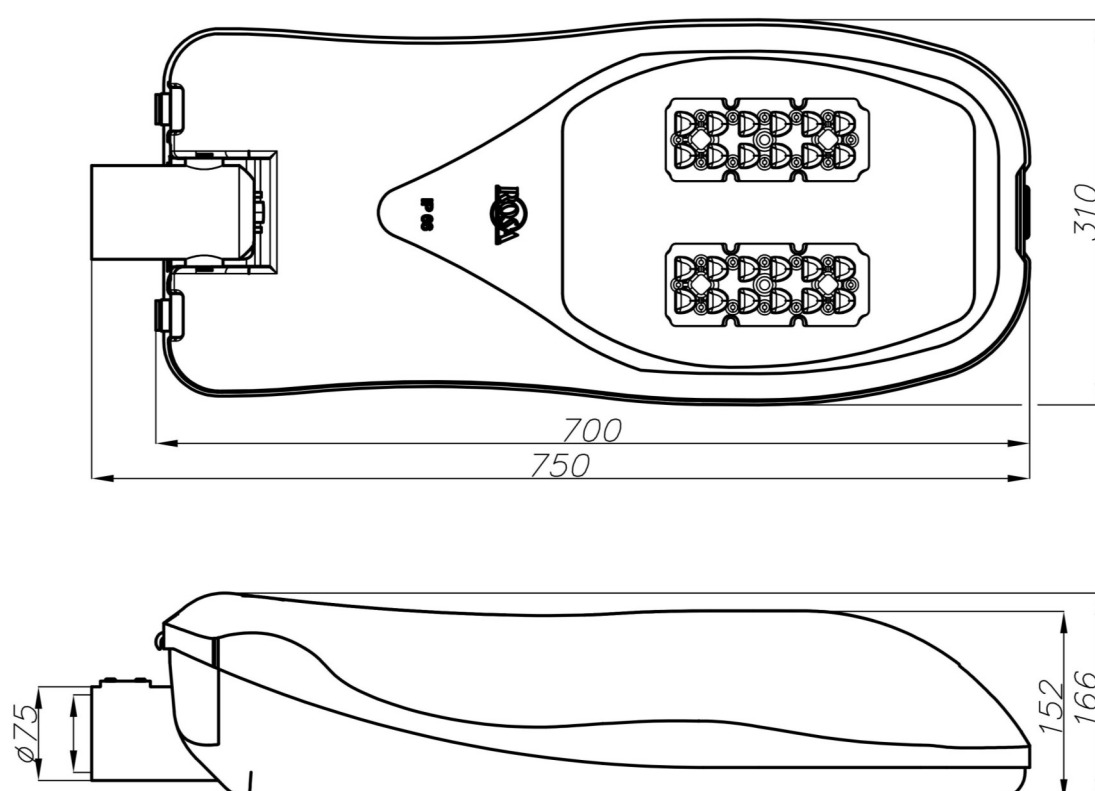


MAGNOLIA LED luminaire



Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	220 - 240 V AC
Frequency	50/60 Hz
Power factor	≥0.95
Inrush electric current	53A / 200μs (for MAGNOLIA LED 48W), 57A / 210μs (for MAGNOLIA LED 60 and 72W)
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	-40°C to +55°C
Material	cast aluminium, paint coated
Colour	housing RAL 9006 structure, cover – SILVER RENOIR
Mounting	pole top mounted Ø60x120, or on the extension arm; recommended mount height : od 8 do 10 m
Tilt angle	-5° to +20° every 2,5°; 0° to 90° with extra screw holes
Optical system	PMMA lens, replaceable LED module
LEDs lifetime L90F10	>50 000h
Warranty	5 years



CREE
LEDs

MAGNOLIA LED luminaire



Technical parameters

Type	MAGNOLIA LED 48		MAGNOLIA LED 60		MAGNOLIA LED 72	
Code	220933/6/... ²⁾	220933/3/... ²⁾	220934/6/... ²⁾	220934/3/... ²⁾	220935/6/... ²⁾	220935/3/... ²⁾
Correlated colour temperature [K]	5 000	3 500	5 000	3 500	5 000	3 500
Color rendering index CRI	75 ³⁾	>80	75 ³⁾	>80	75 ³⁾	>80
Corrective factor S/P	1,8	1,45	1,8	1,45	1,8	1,45
LEDs type	CREE XT-E		CREE XP-L		CREE XP-L	
LEDs quantity	24					
Supply current [mA]	650		850		1 000	
LEDs power [W]	48		60		72	
LEDs luminous flux ¹⁾ [lm]	5 950	5 150	8 650	8 050	10 450	9 600
Power consumption [W]	55		68		80	
Luminaire luminous flux ¹⁾ [lm]	5 500	4 750	8 100	7 500	9 750	8 950
Luminaire efficacy [lm/W]	100	86	119	110	123	112
Weight [kg]	11					
Volume [m ³]	0,050					
Windage [m ²]	0,1					

- 1) ze względu na klasę dokładności diod tolerancja wartości wynosi +/- 3%
- 2) symbol wybranego układu optycznego np. 220933/6/T2 to oprawa MAGNOLIA LED 48 z układem optycznym T2
- 3) tolerancja wartości wynosi +/-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

Acceptable quantity of luminaires MAGNOLIA LED on one circuit, protected by:

Overcurrent switches MCB type B or C									Fuse – type gG and GL							
		2A	4A	6A	10A	16A	20A	25A		2A	4A	6A	10A	16A	20A	25A
MAGNOLIA LED 48, 60, 72W	Type B	1	2	4	7	12	15	18	MAGNOLIA LED 48W	4	8	12	19	31	39	49
	Type C	1	4	7	12	20	24	31	MAGNOLIA LED 60, 72W	2	6	9	17	27	34	43

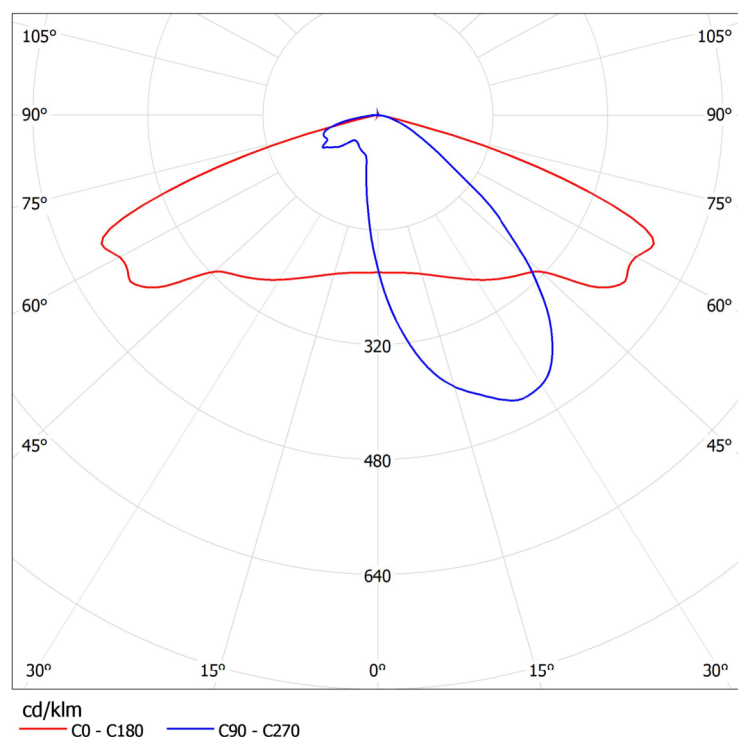
Luminaire MAGNOLIA LED in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

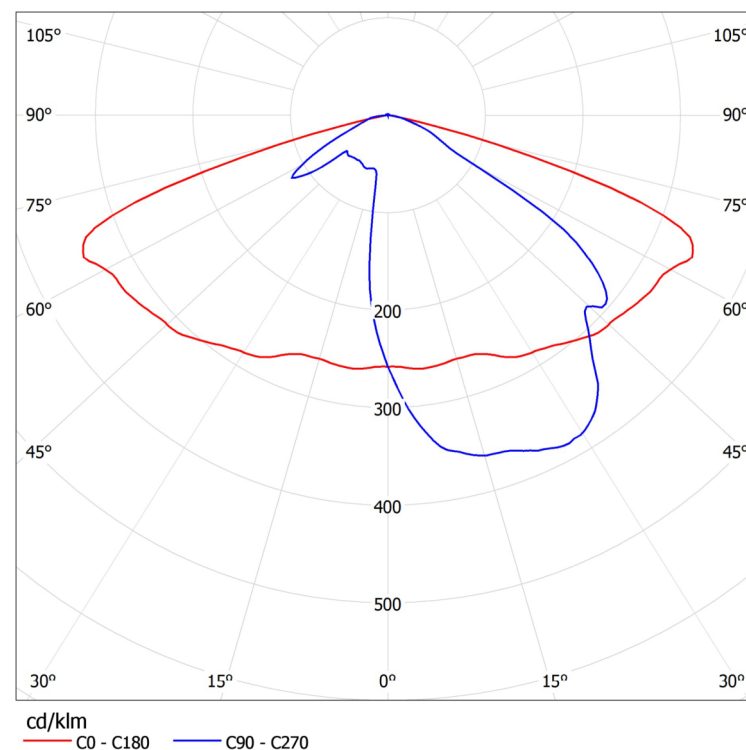


Optics configurations for MAGNOLIA LED

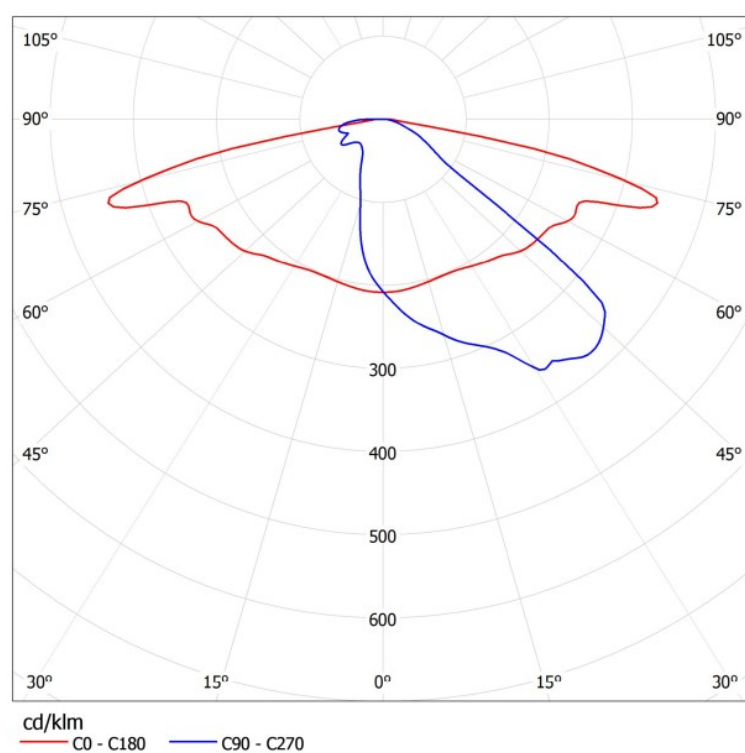
T2



T3



ME



DW

