

Decoding of LED luminaires specifications

The name of LED model includes the following marks for encoding its specifications and parameters:

①② ③④ ⑤⑥⑦ ⑧⑨⑩
F 66 - 33 40 - V 2 2 23 0 - 23

No.	Specification	Specification code	Rated value (tolerance interval)				
①	Luminaire series	A	IP20				
		B	IP54				
		C	Luminous flux control with customer's interface				
		D	DALI protocol, IP20				
		E	«Eco»				
		F	IP54				
		K	Automatic support of illumination level, IP54				
		O	0-10 V interface, IP54				
		P	Emergency (reserve) lighting, IP54				
		SP	S-Class «LED-panel», emergency (reserve) lighting, IP54				
		S	S-Class «LED-panel», IP54				
SO	S-Class «LED-panel», 0-10 V interface, IP54						
W	High degree of protection rating, IP67						
②	Installation dimensions	12	145 x 235 mm				
		36	300 x 600 mm				
		66	600 x 600 mm				
③	Luminous flux	First two digits of the numeric value of the luminous flux of the luminaire (in lumens) according to sample: 33	3300 lm ± 10%				
④	Color temperature	First two digits of the numeric value of the color temperature (in Kelvins) according to sample: 40	4000 K ± 10%				
⑤	Power factor, frame type	Frame type			Power factor		
		Plastic	Metal	Metal (wide)			
		A	P	L		not less than 0.95	
		4	O	N		not less than 0.94	
		3	M	R		not less than 0.93	
		2	K	S		not less than 0.92	
		1	I	U		not less than 0.91	
		B	E	V		not less than 0.90	
		C	T	W		not less than 0.80	
H	X	Z	not rated				
⑥	Ripple factor of light, CRI	CRI (Ra) > 80		CRI (Ra) > 90	Ripple factor of light		
		1		A	no more than 1%		
		2		B	no more than 2%		
		3		C	no more than 3%		
		4		E	no more than 4%		
		5		H	no more than 5%		
		6		K	no more than 10%		
		7		M	no more than 20%		
		8		X	not rated		
⑦	Mounting option, type of diffuser, width of luminous flux	Mounting option			Type of diffuser	The outer surface of diffuser	Luminous flux
		Armstrong	Surface mounted	Suspended			
		A	B	C	Opal	Smooth, uniformly illuminated	Extended*
		E	H	I	Prismatic	Prismatic	Narrowed*
		K	M	O	Opal	Smooth	Extended*
		P	T	X	Semiopal	Smooth	Extended*
		For luminaires with lightweight diffuser					
		1	8	9	Opal	Smooth, uniformly illuminated	Extended*
		S	U	V	Opal	Smooth, uniformly illuminated	Narrowed*
		2	3	4	Opal	Smooth	Extended*
		5	6	7	Opal	Smooth	Narrowed*
		L	N	R	Semiopal	Smooth	Narrowed*
		⑧	Input voltage AC	23	175-276 V		
⑨	Protection class	0	I				
		2	II				
⑩	Power consumption	Numeric value of the power consumption of the luminaire (in Watts) according to sample:					
		23	23 W ± 10%				

* According to light distribution curve (specifications are in the corresponding files in xxx.IES format)



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