

Annex A (informative) Technical specifications of an LED luminaire

Red fields should be filled by the client, if necessary

Green fields should be filled by the manufacturer

Luminaire manufacturer	
Luminaire type and product code	

Parameters	Requirement	Value
Rated input power of the luminaire (W)		
Average rated input power of the luminaire (W) for the rated useful lifetime of the luminaire, if CLO control is used		
Rated input power of the luminaire (W) at the end of the rated useful lifetime, if CLO control is used		
Luminaire electronic control gear circuit power factor λ (100 % power) (see 6.1)		
Luminaire electronic control gear circuit power factor λ of a dimmed luminaire (dimmed to 20 % of the initial luminous flux Φ_i) (see 6.1)		
Initial luminaire luminous flux Φ_i (lm) (see 7.6)		
CLO-corrected luminaire luminous flux Φ_{CLO} (see 7.6), if CLO control is used		
Rated luminaire luminous efficacy (lm/W) (see Table 8)		
Rated correlated colour temperature T_{cp} (K) (see Table 6)		
Rated general colour rendering index R_a (see Table 6)		
Rated chromaticity co-ordinate values, initial and maintained, size of the MacAdam ellipse (see Table 7)		
Rated useful lifetime of a luminaire (h) (see Table 4)		
Luminous flux degradation at the ambient temperature of $t_a = 25\text{ °C}$ for the rated useful lifetime of a luminaire, L_x , x value (see Table 4)		
Maximum expected control gear failure rate at the ambient temperature of $t_a = 25\text{ °C}$ for the rated useful lifetime of a luminaire, % (see Table 4)		
Ingress protection rating of a luminaire, IP code (see 8.1 and 8.8)		
Protection against mechanical impacts, IK code (see 8.1 - 8.8)		
Protection class (I or II) (see 6.1)		
Overvoltage protection (kV) of an electronic control gear, differential mode / common mode (see 6.2)	/	/
Overvoltage protection (kV) of a separate surge protective device, differential mode / common mode (see 6.2)	/	/
Luminaire weight (kg)		
Luminaire's effective projected wind surface area		
Luminaire colour (default RAL colour)		
Number of luminaire extension receptacles and their mounting position (U = upwards, D = downwards and S = sideways, e.g., U + D)		
Luminaire's guarantee period (years)		
Other information, documents and files to be delivered		
Description of the luminaire's materials (housing, reflectors, optical cover, lenses, heat sinks etc.)		
Description of the luminaire's control options		
Luminaire's dimensions and a luminaire post top or side entry fixing equipment information		
Installation instructions for a luminaire		
Luminaire's photometric files in EULUMDAT file format, or information on where they can be acquired (on request)		
Declaration of conformity (DoC) (on request)		