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Indoor applications	Default annual operating hours (EN15193)	Average time to next refurbishment	Average installation life					
	t <sub>o</sub>	years	hours					
Offices	2500	20	50.000					
Education	2000	25	50.000					
Hospitals	5000	10	50.000					
Hotels	5000	10	50.000					
Restaurants	2500	10	25.000					
Sports	4000	25	100.000					
Retail	5000	10	50.000					
Manufacturing	4000	25	100.000					

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Why lifetime is not always a critical factor								
	Outdoor applications	Default annual operating hours (EN13201-5)	Average time to next refurbishment	Average installation life				
		t <sub>o</sub>	years	hours				
	Street	4000	25	100.000				
	Tunnel (entrance)	4000	25	100.000				
	Tunnel (interior)	8760	12	100.000				
	Sport (recreational)	2500	10	25.000				
	Area	4000	25	100.000				
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LIGHTINGEUROPE

## Why lifetime is not always a critical factor

## LightingEurope Conclusion (extract guide) :

"LightingEurope believes that 'number of hours' should not be a dominant discriminator when selecting LED based luminaires for professional applications. For the lighting design, the maintained luminous flux at the average installation life for a specific application is much more relevant and may support energy saving through the reduction in over-design to account for losses through life."







Cagid								
LightingEurope members								
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