

## Cleaning instructions for luminaires

### 0. Introduction

Safety instructions:

- The power to the luminaires must be switched off before cleaning.
- The luminaires must not be disconnected without switching off the power. In the case of LED luminaires there is a risk of damaging the LEDs.
- Ensure that the light source and luminaires are cooled off before you start the cleaning process.
- For emergency lighting: remove and control batteries before cleaning. In case of a faulty battery, contact your ETAP-advisor.

General:

- When cleaning LED luminaires avoid the use of detergents containing VOCs (volatile organic compounds).
- Consult ETAP if in doubt about the way in which the luminaire is to be cleaned.
- Always use cloth gloves to prevent leaving fingerprints.

### 1. Cleaning instructions for parts that affect lighting (reflectors, DIFFUSERS)

Components	Cleaning instructions	Comments
- Plastic - Glass - Painted components/housing	- Wipe clean using a soft, moist cloth.	- Avoid the use of (strong) detergents. - For plastic parts only use antistatic detergents without alcohol. - When cleaning plastic parts avoid the use of abrasive or polishing products. - Do not use a dry cloth on plastic parts. There is the possibility that the parts have built up static electricity and will attract dust.
- Plastic with structure	- <b>DUAL•LENS:</b> Wipe clean using a soft, moist cloth, at right angles to the luminaire' length. - <b>US LED:</b> Wipe clean using a soft brush.	- See above.
- Aluminium reflectors	- Wipe clean using a soft cloth. - Where heavy soiling is encountered: have ETAP replace/clean the reflector or proceed as follows: <ol style="list-style-type: none"> <li>1. Wash the reflector with a mild detergent</li> <li>2. Remove soap and dirt using a steamer (+/-150°)</li> <li>3. Repeat step 1. and 2.</li> <li>4. Allow the reflector to dry.</li> <li>5. Make sure no drops are left, so that no traces are visible after drying.</li> </ol>	- Saturate the soft cloth with isopropyl alcohol (Warning! Flammable). - Use a soft, dry cloth to collect the dirt.

## 2. Overview of parts in ETAP luminaires

Type of luminaire	Series	Optics	Plastic or glas	Plastic with structure	aluminium reflectors
Recessed luminaires	U7	LED+LENS	X		
Recessed luminaires	U5	REFLECTOR			X
Recessed luminaires	UT	REFLECTOR			X
Recessed luminaires	U2	DIFFUSER	X		
Recessed luminaires	UM1	DIFFUSER	X		
Recessed luminaires	UM2	DIFFUSER	X		X
Recessed luminaires	US fluo	SOFTLIGHT	X		
Recessed luminaires	US LED	SOFTLIGHT		X	
Surface-mounted and suspended luminaires	R7	LED+LENS	X		
Surface-mounted and suspended luminaires	R1	REFLECTOR			X
Surface-mounted and suspended luminaires	R2	DIFFUSOR	X		
Surface-mounted and suspended luminaires	R4 reflector	REFLECTOR			X
Surface-mounted and suspended luminaires	R4 diffuser	DIFFUSER	X		
Surface-mounted and suspended luminaires	R6	REFLECTOR			X
Surface-mounted and suspended luminaires	R8	DIFFUSER	X		
Surface-mounted and suspended luminaires	RS	SOFTLIGHT	X		
Modular light systems	V1 reflector	REFLECTOR			X
Modular light systems	V1 diffuser	DIFFUSER	X		
Modular light systems	V2 reflector	REFLECTOR			X
Modular light systems	V2 diffuser	DIFFUSER	X		
Modular light systems	V2 lens	LED+LENS	X		
Modular light systems	LEDA	DIFFUSER	X		
Downlights	D4	LED+LENS	X		
Downlights	D1	REFLECTOR	X		X
Downlights	D2	REFLECTOR	X		X
Downlights	D3	REFLECTOR	X		X
Downlights	D9	REFLECTOR	X		X
Spots	FLARE	LED+LENS	X		
Wall luminaires	UW	DIFFUSER	X		
Wall luminaires	W1	DIFFUSER	X		
Wall luminaires	WD	DIFFUSER	X		
Wall luminaires	WS	SOFTLIGHT	X		
Light-line systems	E4	DUAL • LENS		X	
Light-line systems	E5 (fluo)	REFLECTOR			X
Light-line systems	E3M (LED)	DUAL • LENS		X	
Light-line systems	E5M (LED)	DUAL • LENS		X	
Light-line systems	E7	LED+LENS	X		
Luminaires for high spaces	E8 (fluo)	REFLECTOR	X		X
Luminaires for high spaces	E8 (LED)	LED+LENS	X		
High-protection factor luminaires	E1 (fluo)	REFLECTOR	X		X
High-protection factor luminaires	E1 (LED)	LED+LENS	X		
High-protection factor luminaires	E2	LINEAR LENS	X		
High-protection factor luminaires	E6 (fluo)	REFLECTOR	X		X
High-protection factor luminaires	E6 (LED)	LINEAR LENS	X		

Emergency lighting	K1	-	X		
Emergency lighting	K2	-	X		
Emergency lighting	KE2	LINEAR LENS	X		
Emergency lighting	K3	-	X		
Emergency lighting	K5	-	X		X
Emergency lighting	K6	-	X		
Emergency lighting	K7	-	X		
Emergency lighting	K8	-	X		
Emergency lighting	K9	-	X		
Emergency lighting	KL	-	X		