



**Hazardous**  
Lighting Solutions LTD



# EXL390LED

*Explosion-proof cassette luminaire with LED modules*



OFFSHORE



CHEMICAL  
WAREHOUSES



PASSAGeways



CHEMICAL



REFINERIES



**STANDARD VERSION:**



II 3G Ex ec op is IIC T4 Gc II 2D Ex tb op is IIIC T70°C or T80°C Db

**A3 VERSION:**



II 3G Ex ec IIC T4 Gc  
II 2D Ex tb IIIC T70°C Dc

**CERTIFICATES:**

OBAC 22 ATEX 0404X (A3 version)  
KDB 15ATEX0049X  
IECEX KDB 20.0003X

## MECHANICAL FEATURES

**Housing:** Powder-coated stainless steel

**Diffuser:** PC type opal or tempered glass

**Ingress protection:** IP65

**Protection class:** I

**Mounting:** surface mounted (SF,) recessed (RC)

**Accessibility:** Depending on type of ceiling

**Impact Resistance:** GL: IK08 PC: IK10

## ELECTRICAL FEATURES

**Connection terminals:** 2,5mm

**Input voltage:** 220-240V 50-60Hz 220-240V 0Hz,

**Light source:** Intrinsically safe LED modules

**Power factor:** >0,97

**Cable inlets:** Ø20

**Overvoltage protection:** 1kV (L-N), 2kV (L-PE)

## WORK PARAMETERS

**Ambient Temperatures:** -40°C to + 50°C

**Lifetime:** >70.000h L80 B10

## PHOTOMETRICAL PARAMETERS

**CRI:** >80

**Colour temperature:** 4000K

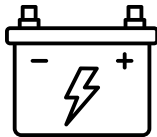
## TYPES COMPARISONS

TYPE OF THE FITTING	LUMINOUS FLUX (lm)	POWER CONSUMPTION (W)	EFFICIENCY (lm/W)	AMBIENT TEMPERATURE (°C)
EXL390LED-0600-E4-1	4636	35	132	-40 - +50
EXL390LED-0600-E4-3	6265	47	133	-40 - +50
EXL390LED-1200-E3-1	3160	27.1	117	-40 - +50
EXL390LED-1200-E3-3	4270	36.6	117	-40 - +50
EXL390LED-1200-E6-1	6445	52	124	-40 - +50
EXL390LED-1200-E6-3	8710	70.5	124	-40 - +50



3H

**EMERGENCY POWER MODULE:** VERSION WITH 3H EMERGENCY POWER MODULE. THE POSSIBILITY OF WORK ABOVE 0°C



**CENTRAL BATTERY:** VERSION WITH A DRIVER FOR CENTRAL BATTERY



**DALI-2 DRIVER:** VERSION EQUIPPED WITH DALI 2 DRIVER

## EMERGENCY MODE LUMINOUS FLUX

TYPE OF THE FITTING	VERSION A3 (lm)	VERSION ZB (lm)
EXL390LED-0600-E4-1	739	2,318
EXL390LED-0600-E4-3	688	3,133
EXL390LED-1200-E3-1	672	1,580
EXL390LED-1200-E3-3	627	2,135
EXL390LED-1200-E6-1	685	3,223
EXL390LED-1200-E6-3	639	4,355

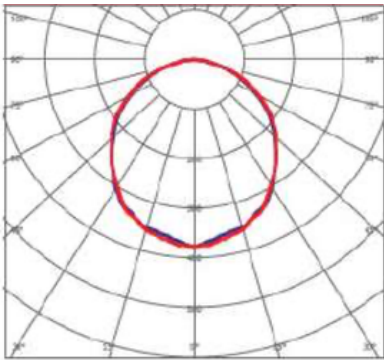
E.&O.E

## MAXIMAL NUMBER OF FIXTURES CONNECTED IN LINE

MAXIMAL NUMBER OF LINE CONNECTED LUMINAIRES DEPENDING ON THE USED CIRCUIT BREAKERS

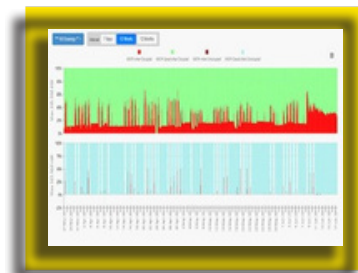
Power supply	B16	C16	Max. starting current	Starting time
35E (1/2 kV)	12	21	54 A	< 125 $\mu$ s
35E (4 kV)	32	53	5 A	< 1000 $\mu$ s
34E	12	21	64 A	< 125 $\mu$ s

## PHOTOMETRY



## INTELLIGENT-ATEX READY

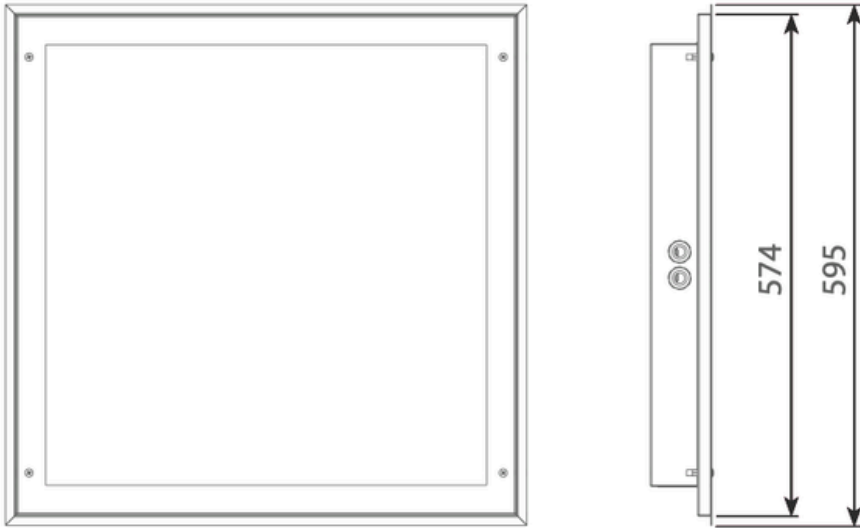
- The EXL390LED is a versatile lighting solution that can be optionally ATEX-ready for hazardous environments.
- Easy installation with a basic LNE connection; no complex setups or advanced wiring expertise needed.
- Intuitive user interface tailored for contractors and end users, utilizing 868MHz controllers and sensors.
- Simple tablet commissioning and cloud monitoring for effortless setup and remote management.
- ATEX certification ensures safety, reliability, explosion protection, reduced risk of ignition, and compliance with stringent safety standards.



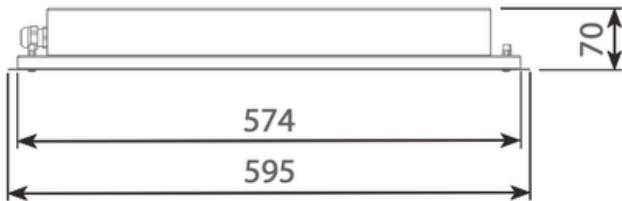
TYPE OF THE FITTING	LUMINOUS FLUX (lm)	POWER CONSUMPTION (W)	EFFICIENCY (lm/W)	AMBIENT TEMPERATURE (°C)
EXL390LED-0600-E4-3- 34E-40-11M20-NIRO-PC-A3-NS	6265	47	133	-40 - +50

## DIMENSION- VERSION RC

EXL390LED-0600-RC - version designed to be mounted in the suspended coffered ceilings



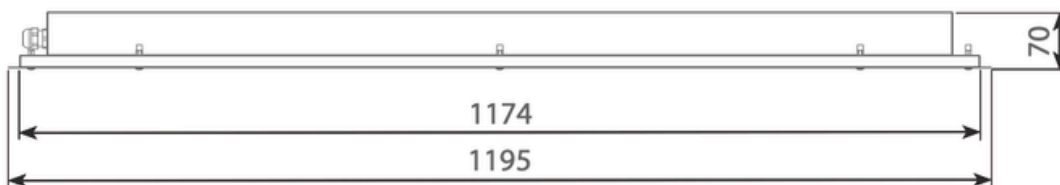
weight: ~12,6 kg



EXL390LED-1200-RC - version designed to be mounted in the suspended coffered ceilings

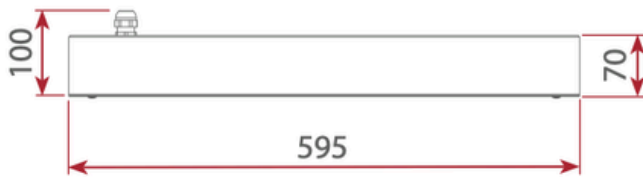
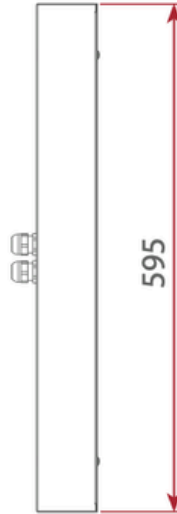
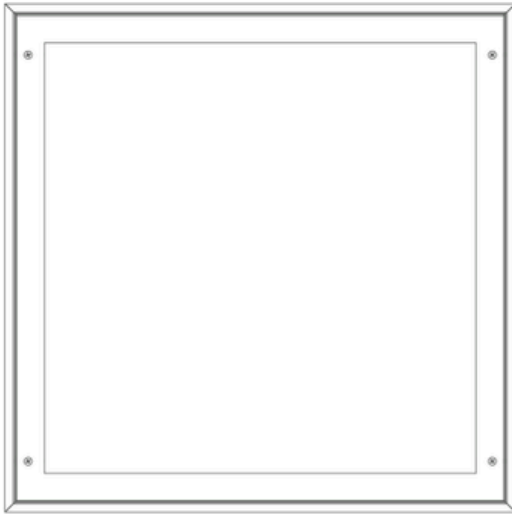


weight: ~17,3kg



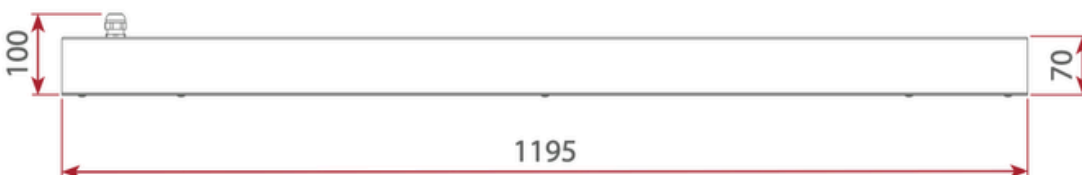
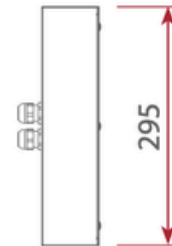
## DIMENSION- VERSION SF

EXL390LED-0600-SF - version designed to be mounted on the ceiling surface



weight: ~13,5 kg

EXL390LED-1200-SF - version designed to be mounted on the ceiling surface



weight: ~18,3kg