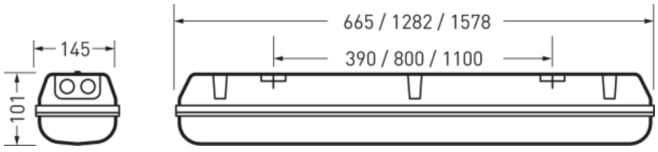
ACQUEx LED-M 1.5 60-840 ET EB3

TOC: 8189540



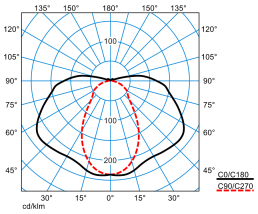
Product features and key data

Applications	canopied outdoor areas|Damp rooms|Assembly halls|Production areas|Works halls|Workshops|Manufacturing|Multi storey car parks|Shipping and logistics, warehouses
Luminaire type	Explosion-proof water-proof LED diffuser luminaire.
Mounting method	Suspension|Surface-mounting
Ex-zone Gas	2
Ex-zone Dust	22
ATEX Code	II 3G Ex ec IIC T6 Gc / II 3D Ex tc IIIC T85°C Dc / 0°C ≤ Ta ≤ +40°C
Luminaire optic	Luminaire cover made of an injection-moulded, transparent and UV-stabilised PC cover.
Light distribution curve	Lambertian (L)
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	6000 lm
Connected load	44,00 W
Luminous efficacy	136 lm/W
Rated service life	L80 (25 °C) = 100.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 1 - no risk
Luminaire colour	RAL1003 Signal yellow
Luminaire body	Luminaire body of compacted, glass-fibre-reinforced polyester.
Electrical version	With electronic transformer, switchable.
Connection method	Plug-in terminal
Emergency light	Single battery 3h
Mains voltage	220 - 240 V
Mains frequency	0/50/60 Hz
Total harmonic distortion < %	14 %
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK10
Hot wire resistance	650 °C
Ambient temperature	0 - 40 °C
Max. Luminaires B10	19
Max. Luminaires B16	30
Max. Luminaires C10	25
Max. Luminaires C16	40
Net length	1.578 mm
Net width	145 mm
Net height	101 mm
Recess length	1.100 mm

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Recess width	145 mm
Weight	4,5 kg

light distribution curve



Acquex LED-M 1.5 60-840 ET PC EB3

UGR I = 18,7
UGR q = 26,0
DIN 5040: B30
UTE: 0.89 H + 0.11 T
DLOR: 89 %
ULOR: 11 %
CEN Flux Code: 36 65 85 89 100 2 8 21 11

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.

Offer text

Explosion-proof water-proof LED diffuser luminaire. In emergency light version with single battery system, nominal operation time 3 hours. Suitable for wall and ceiling mounting, also for damp rooms and canopied outdoor areas. Suitable for use in areas that are seldom and only briefly at risk of explosion due to combustible dust clouds during normal operation (Zone 22). Suitable for use in areas which are rarely and only briefly at risk of explosion due to gases, vapors or mists during normal operation (Zone 2). ATEX mark II 3G Ex ec IIC T6 Gc / II 3D Ex tc IIIC T85°C Dc / 0°C ≤ Ta ≤ +40°C. For horizontal or vertical ceiling and wall mounting. Also suitable for suspended mounting with accessories to be ordered separately. Luminaire cover made of an injection-moulded, transparent and UV-stabilised PC cover. With smooth surface and internal prismatic cover for ideal light distribution. With Lambertian light distribution. The prismatic cover protects the LED system from accidental contact during installation. Luminaire luminous flux and light color fixed. Luminaire luminous flux 6000 lm, connected load 44 W, maximum luminous efficiency of luminaire 136 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 100,000 h. Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body of compacted, glass-fibre-reinforced polyester. Surface coated signal yellow (similar to RAL 1003). Dimensions (L x W): 1578 mm x 145 mm, luminaire height 101 mm. Stainless steel tilting lever catch of rust-free and acid-resistant stainless steel (V2A). Sealing made of polyurethane. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66. Permissible ambient temperature (ta): 0 °C to 40 °C. Weight: 4,5 kg. The luminaire is suitable for operation on a 230V direct voltage supply grid (DC). With electronic transformer, switchable. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

EPREL - European Product Registry for Energy Labelling

This product contains (a) light source(s) of energy efficiency class(es):

Energy Efficiency Class	Model identifier
C	85400877-00
C	SI-B8T122560EU
C	85400879-00
C	SI-B8T064280EU

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