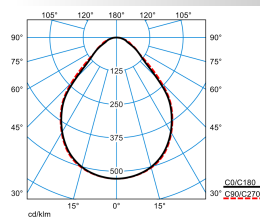




Product features and key data

Applications	multi-purpose halls sports halls tennis courts
Luminaire type	Ball-proof surface-mounted LED luminaire tested according to DIN VDE 0710-13 with CDP cover. Suitable for use in sports facilities according to DIN 18032-3.
Mounting method	Suspension Surface-mounting Recessed
Luminaire optic	With highly efficient CDP microprisms.
Light distribution curve	Wide (W)
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	16000 lm
Connected load	116,00 W
Luminous efficacy	138 lm/W
Rated service life	L80 (35 °C) = 100.000 h L90 (35 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	Luminaire body sheet steel.
Electrical version	With two electronic control units, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Number of DALI addresses	2
Dimming range	1 - 100 %
Monitoring Ready	Yes
Mains voltage	220 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP20
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	7
Max. Luminaires B16	11
Max. Luminaires C10	12
Max. Luminaires C16	19
Net length	1.548 mm
Net width	309,50 mm
Net height	97 mm
Weight	11,3 kg

light distribution curve

Actison Fit D1 CDP 16000-840 ETDD

UGR I = 21,7
 UGR q = 21,7
 DIN 5040: A50
 UTE: 1.00 C
 DLOR: 100 %
 ULOR: 0 %
 CEN Flux Code: 65 90 98 100 100

Available accessories

Material	Description
 110N/155 Angle Section 2928900	Angle rail., 1-length version.
 110N/310 Angle Section 2929000	Angle rail.
 113N Angle Section Coupling 2228700	Angle rail coupling.
 Actison Fit H 110N 5950200	Suspension hardware for ball-proof, suspended mounting of Actison LED and Actison Fit luminaires in conjunction with trunking 110N...
 Actison Fit BAB 1 5950300	Ball safety shield for Actison LED (265 mm) / Actison Fit (310 mm) luminaires.
 Actison Fit ZDV/515/80 5951000	Heat-resistant through-wiring for continuous line luminaires Actison.
 Actison Fit ZDV/715/80 5951100	Heat-resistant through-wiring for continuous line luminaires Actison.
 Actison Fit TS1 5994700	1 pair of mounting brackets for Actison LED (265 mm) / Actison Fit luminaires (310 mm), for fixing the luminaire to the trunking system.
 Actison Fit E04 5950000	Link chain, 20 m.
 Actison Fit C1 7317100	Installation accessory for Actison Fit luminaires in plasterboard ceilings (310 mm).
 Actison Fit H LED 7318800	Suspension set for suspended mounting with individual luminaire use. The set contains the material for 2 suspension points.
 Actison Fit H LB LED 7318900	Suspension kit for luminaires as continuous lines.
 Actison Fit ZOE 7390700	Angle accessory for simple and safe opening of the luminaire cover
 Actison Fit AK D1 16000-840 ETDD 7390051	Replacement kit consisting of gear tray with LED module and control gear units. For luminaires from series:
 Actison Fit ZSP-C2 D1 7427500	Actison Fit D1 refurbishment set for plasterboard ceilings: Accessory for ceiling installation of Actison Fit D1 in conjunction with the Actison C2 mounting frame provided by the customer (TK 10076014).

Offer text

Ball-proof surface-mounted LED luminaire tested according to DIN VDE 0710-13 with CDP cover. Suitable for use in sports facilities according to DIN 18032-3. The tests were carried out by an institute accredited according to DIN EN ISO 17025 (VDE-Prüf- und Zertifizierungsinstitut GmbH / ISP GmbH - Institut für Sportstättenprüfung, Münster). LED modules and control gear are sustainable combined in one assembly. It can be replaced without requiring any disassembly of the luminaire body or the optical system from the ceiling construction. The assembly is available as an accessory to be ordered separately. Surface-mounted luminaire for ceiling mounting. Can also be used as recessed or suspended luminaire with accessories. With highly efficient CDP microprisms. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 16000 lm, connected load 116 W, maximum luminous efficiency of luminaire 138 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 ($t_q 35^\circ\text{C}$) = 100,000 h., Mean rated service life L90 ($t_q 35^\circ\text{C}$) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body sheet steel. Surface coated white (similar to RAL 9016). Dimensions (L x W): 1548 mm x 309,5 mm, luminaire height 97 mm. With knock-outs at front ends for heat-resistant through-wiring. Ball-impact-resistance according to DIN 18032-3. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature (t_a): 25 °C Weight: 11,3 kg. With 5-pole terminal to 2.5 mm² for mains connection and further wiring. With two electronic control units, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Monitoring Services. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: <https://www.trilux.com/EcoDesign>

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	LMC-W-96-700-840-B01-L73W2-C