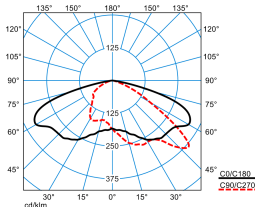



Product features and key data

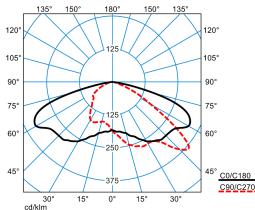
Applications	Accent lighting Building sites Container areas Storage locations Parks Sports fields Tennis courts	
Luminaire type	LED floodlight for wide-area illumination.	
Light sources	LED system consists of 12 MLT LED modules each with 4 LEDs	
Mounting method	Mounting bracket Directional mounting Surface-mounting	
Luminaire optic	As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations.	
Light distribution curve	asymmetric wide (AB7L)	
FWHM	154 °	
Light Engine	CLO initial value	CLO end value
Colour temperature	3000 K	3000 K
Rated luminous flux	15000 lm	15000 lm
Connected load	109,00 W	114,00 W
Luminous efficacy	138 lm/W	132 lm/W
Rated service life	LCLO (25 °C) = 100.000 h	
Colour rendering index	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Distance to Risk Group 1	460 mm	
Luminaire colour	DB703 / RAL9006	
Luminaire body	Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame.	
Electrical version	With electronic control gear unit, switchable.	
Surge voltage resistance (differential mode)	6 kV	
Surge voltage resistance (common mode)	10 kV	
Connection method	Plug-in terminal	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	10 %	
Protection rating	IP66	
Protection class	I	
Impact resistance (IK)	IK09	
Hot wire resistance	960 °C	
Ambient temperature	-40 - 25 °C	
Max. Luminaires B10	5	
Max. Luminaires B16	9	
Max. Luminaires C10	9	
Max. Luminaires C16	15	
Net length	503 mm	
Net width	390 mm	
Net height	240 mm	
Weight	8,0 kg	

Light Engine Data

Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
CLO initial value	3000 K	15000 lm	109,00 W	138 lm/W
CLO end value	3000 K	15000 lm	114,00 W	132 lm/W


light distribution curve

LnPlus 40-AB7L-LR/15000-730 12G1 ET (CLO initial value)

DIN 5040: A30
 UTE: 1.00 G
 DLOR: 100 %
 ULOR: 0 %
 CEN Flux Code: 35 72 97 100 100


LnPlus 40-AB7L-LR/15000-730 12G1 ET (CLO end value)

DIN 5040: A30
 UTE: 1.00 G
 DLOR: 100 %
 ULOR: 0 %
 CEN Flux Code: 35 72 97 100 100

Available accessories

Material	Description
 MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
0805 Traverse A 1/76 1xLnPlus 40 8287700	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 1/89 1xLnPlus 40 8287800	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/76 3xLnPlus 40/60 8288100	Cross-arm for mounting three LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 3/89 3xLnPlus 40/60 8288200	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/108 3xLnPlus 40/60 8288300	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse A 2/76/180° 2xLnPlus 40/60 8288400	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 2/89/180° 2xLnPlus 40/60 8288500	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 4/76 4x LnPlus 40/60 8288700	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.

0805 Traverse A 4/89 4x LnPlus 40/60
8288800

Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.

0805 Traverse A 4/108 4x LnPlus 40/60
8288900

Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.

0805 Traverse S2 2/89 2x LnPlus 40
8289000

Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 89 mm.

0805 Traverse S2 2/108 2x LnPlus 40
8289100

Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 108 mm.

0805 Traverse S1 1/76 1x LnPlus 40/60
8289400

Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 76 mm.

0805 Traverse S1 1/89 1x LnPlus 40/60
8289500

Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 89 mm.



MLT ZAH MF sw p4
8508900

Rear shielding for MLT IQ lens systems.

Offer text

LED floodlight for wide-area illumination. With power reduction via control circuit. Switching off a control circuit causes the luminaire luminous flux to be set to 50%. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. Die-cast aluminium mounting bracket. The sturdy mounting bracket with 3 holes enables 2-point mounting as well as central 1-point mounting. Projector head can be swivelled on the mounting bracket by single-point mounting. Securing of swivel position by toothed locks. Projector head and mounting bracket are fully assembled on delivery. Post mounting for single and multiple arrangements is possible by means of accessories. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. With asymmetric wide light distribution. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Luminaire luminous flux and light color fixed, with luminous flux stabilization at end of life (CLO). LED system consists of 12 MLT LED modules each with 4 LEDs Luminaire luminous flux 15000 lm, connected load 109 W, maximum luminous efficiency of luminaire 138 lm/W. Light colour warm white, correlated colour temperature (CCT) 3000 K, Available on request also in a Tunable White version (2200 K – 4000 K). general colour rendering index (CRI) $R_a > 70$. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Mean rated service life LCL0 ($t_a 25^\circ\text{C}$) = 100,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame. Luminaire body (main colour) and fixing bracket (additional colour) in contrasting colours. Primary colour anthracite (similar to DB 703), additional colour silver-grey (similar to RAL 9006). Luminaire housing highly weather resistant, powder-coated. Further colour variants possible from RAL or DB colour codes. Dimensions (L x W): 503 mm x 390 mm, height 240 mm. Ball-impact-resistance according to DIN 18032-3. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK09. Permissible ambient temperature (t_a): -40°C to 25°C . Weight: 8,0 kg. With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. 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

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

Energy Efficiency Class	Model identifier
C	86005036-00
C	SL-B7V2N80L3EU