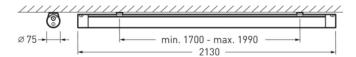




TOC: 8281740



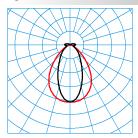




Product features and key data			
Luminaire type	Multi-variable and modern tube luminaire with 75 mm profile diameter.		
Mounting method	Surface-mounting Suspension		
Luminaire optic	Cylindrical profile with photometrically effective prismatic structure as secondary optic.		
Connected load	86 W		
Power factor	0,98		
Colour temperature	4.000 K		
Rated luminous flux	15.000 lm		
Luminous efficacy	174 lm/W		
Interchangeability lightsource	No - Protection against intrus		
Service life	L80 (25 °C) = 100.000 h		
Colour rendering index	80		
Colour tolerance	3 SDCM		
Photobiological class	Group 0 - no risk		
Luminaire colour	RAL7035 Light grey		
Electrical version	With electronic transformer, switchable.		
Connection method	Connection cable		
Mains frequency	0/50/60 Hz		
Mains voltage	220 - 240 V		
Ingress Protection (IP) rating	IP69K		
Protection rating on room side	IP69K		
Protection class			
Impact resistance (IK)	IK03		
Hot wire resistance	650 °C		
Ambient temperature	-40 - 40 °C		
Max. Luminaires B10	21		
Max. Luminaires B16	36		
Max. Luminaires C10	37		
Max. Luminaires C16	60		
Net length	2.065 mm		
Net width	81 mm		
Net height	81 mm		
Outside diameter	81 mm		
Weight	3,4 kg		



light distribution curve



TugraHE+ 21 PN 150-840 ET IP69K 23 TX425139

C0 - C180 C90 - C270

UGR I = 22.3 UGR q = 20.3 DIN 5040: B50 UTE: 0.89 C + 0.11 T CEN Flux Code: 64 87 95 89 100 6 21 56 11

Available accessories

	Material	Description
0	Tugra KS 58 23 Set 8089100	PMMA end caps. For replacement or exchange. Colour light grey.
0	Tugra LME HFS ET 130 23 8089900	Smart module for single luminaire applications. Colour light grey.
0	Tugra LME HFS ETDD 130 23 8090700	Smart module for single luminaire applications. Colour light grey.
0	Tugra LME LLWS 130 23 8091100	Smart module for single luminaire applications. Colour light grey.
0	Tugra LME DMR 130 23 8091900	Smart module for single luminaire applications. Colour light grey.
0	Tugra LME DMM 130 23 8092700	Smart module for single luminaire applications. Colour light grey.
0	Tugra LME Beacon 130 23 8093500	Smart module beacon for single luminaire application and continuous line ends. Colour light grey.
	Tugra LMB 165 23 8094500	PMMA coupler long. Colour light grey (RAL 7035).
	Tugra LMB HFS ET 165 23 8095300	Smart module for continuous row applications. Colour light grey.
	Tugra LMB HFS ETDD 165 23 8096100	Smart module for continuous row applications. Colour light grey.
	Tugra LMB DMR 165 23 8096900	Smart module for continuous row applications Colour light grey.
	Tugra LMB DMM 165 23 8097700	Smart module for continuous row applications Colour light grey.
	Tugra LMB Beacon 165 23 8098500	Smart module beacon for continuous line applications. Colour light grey.
6	Tugra BLP 322 PXX 8099200	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 322 mm, Width 75 mm, height 75 mm.
6	Tugra BLP 603 PXX 8099600	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 603 mm, Width 75 mm, height 75 mm.



TugraHE+ 21 PN 150-840 ET IP69K 23

TOC: 8281740

6	Tugra BLP 884 PXX 8100000	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 884 mm, Width 75 mm, height 75 mm.
10	Tugra BLP 1165 PXX 8100400	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1165 mm, Width 75 mm, height 75 mm.
6	Tugra BLP 1446 PXX 8100800	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1446 mm, Width 75 mm, height 75 mm.
10	Tugra BLP 1727 PXX 8101200	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1727 mm, Width 75 mm, height 75 mm.
10	Tugra BLP 2008 PXX 8101600	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 2008 mm, Width 75 mm, height 75 mm.
0	Tugra ZLK 23 8102100	PMMA coupler short. Colour light grey (RAL 7035).

Offer text

Multi-variable and modern tube luminaire with 75 mm profile diameter. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies (DIN 10500). With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. For wall and ceiling mounting. Standard stainless steel mounting clips (2 pieces, V2A) with triangle included in the scope of supply. Optional accessories enable further mounting concepts. As single luminaire or for continuous line use. The continuous mounting channel of the luminaire body enables very high flexibility in positioning the fixing points. The packaging is made of recyclable cardboard, plastic-free. Multiple packaging with 28 luminaires as well as project packaging with 108 luminaires per packaging unit further reduce the general consumption of resources in the overall process. Cylindrical profile with photometrically effective prismatic structure as secondary optic. With opal profile area above and translucent profile area below the mounting channel. With symmetric narrow light distribution. With mainly direct light distribution. With slight indirect component for surface illumination. Luminaire luminous flux 15000 lm - , connected load 86,00 W, luminous efficiency of luminaire 174 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R a > 80. Mean rated service life L80(t q 25 °C) = 100,000 h. End cap colour light grey, (RAL 7035). Standard end caps included. Luminaire length 2065 mm, Luminaire height 81 mm, Ø Luminaire body 81 mm. The gear tray is fixed to the luminaire profile with transparent devices to avoid shadowing. Permissible ambient temperature (ta) -40 °C - 45 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP69K, impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Weight: 3,4 kg. The connection is made by means of a plug-in terminal with mains forward