

# TEKO Rope

Modern LED luminaire for public lighting, designed for suspension on a steel cable.



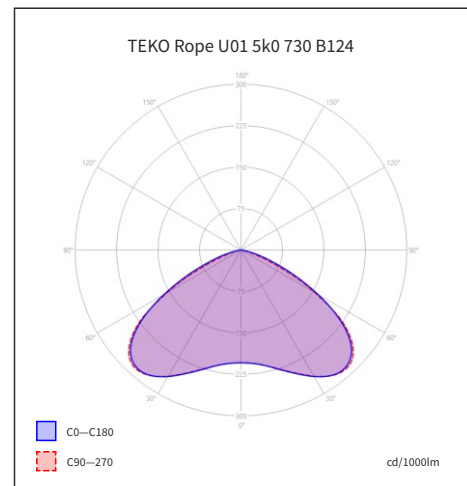
## TECHNICAL SPECIFICATIONS

<b>Light source</b>	LED
<b>Power voltage</b>	AC 220–240 V / 50–60 Hz
<b>Connection method</b>	leading out cable, leading out cable with connector (G)
<b>Ballast part</b>	electronic driver with surge protection L/N-Ground 10 kV
<b>Surge protection</b>	additional surge protection 10 kV (S)
<b>Fuse</b>	fuse 6,3 A (J)
<b>Possibility of regulation</b>	non-dimmable (not labeled), DALI (max. 3 core cable), night dimming (A) preparation for wireless communication NEMA (N), Zhaga (Z) CLO (C)
<b>Constant lumen output</b>	
<b>Optical system</b>	roads (Mxx), roads (Lxx), directional (Pxx), area (Uxx), combined optics (Kxx), BACK Light shades (BL1), FRONT Light shades (FL1)
<b>Light distribution</b>	direct
<b>Colour rendering index</b>	Ra > 70, Ra > 80
<b>Colour temperature</b>	BLUE FREE™ (AMBER)
<b>Service life</b>	2,200 K / 2,700 K / 3,000 K / 4,000 K / 5,000 K / 5,700 K / TW > 120,000 hrs. (L90)
<b>Luminaire body</b>	aluminum cast
<b>Colour</b>	RAL 7015/9006*
<b>Surface type</b>	matte
<b>Luminaire cover</b>	tempered glass
<b>Protection class</b>	I, II
<b>Maximum ambient temperature</b>	max. -40 / +55 °C
<b>Ingress protection</b>	IP 66
<b>Impact protection</b>	IK 09, IK 10
<b>EMC</b>	YES
<b>Vibration test</b>	NO
<b>Static load test</b>	NO
<b>Corrosion test - Salty spray</b>	YES (1,500 hours)
<b>Life test</b>	YES
<b>Certification</b>	ENEC, ENEC+ , Zhaga-D4i, DarkSky Approved
<b>Photobiological safety</b>	RG0
<b>CB mark</b>	YES
<b>RoHS</b>	YES
<b>REACH</b>	YES
<b>Method</b>	on a rope
<b>Recommended height</b>	max. up to 10 m

\*other RAL (on request)

### Use:

Pedestrian zones, Outdoor areas, Sidewalks, Cycle paths, Square



This product contains a light source of energy efficiency class C (730/740), D (AMB/727), E (722).



VARIANTS

VARIANTS (chip 3535)	POWER (W)				LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)								
Catalog name	2200K Ra 70 U500 < 6.5%	2700K Ra 70 U500 < 10.5%	3000K Ra 70 U500 < 15%	4000K Ra 70 U500 < 23%	min	max	Up to	L90	kg*
TEKO R(ope) Mxx 1k0	7,8	7,1	6,9	6,5	837	963	148,2	> 120 000	8.7
TEKO R(ope) Mxx 1k5	11,8	10,4	9,9	9,4	1 255	1 445	153,7	> 120 000	8.7
TEKO R(ope) Mxx 2k0	14,5	12,8	12,3	11,7	1 673	1 926	164,6	> 120 000	8.7
TEKO R(ope) Mxx 3k0	22,6	19,5	18,3	17,5	2 510	2 890	165,1	> 120 000	8.7
TEKO R(ope) Mxx 4k0	30,6	27,1	25,1	23,9	3 346	3 853	161,2	> 120 000	8.7
TEKO R(ope) Mxx 5k0	39,6	34,3	32,1	30,6	4 183	4 816	157,4	> 120 000	8.7
TEKO R(ope) Mxx 6k0	42,7	42,6	39,5	37,4	5 020	5 779	154,5	> 120 000	8.7
TEKO R(ope) Mxx 7k0	50,9	44,2	41,6	39,2	5 856	6 742	172,0	> 120 000	8.7
TEKO R(ope) Mxx 8k0	59,5	51,4	48,2	45,4	6 693	7 706	169,7	> 120 000	8.7
TEKO R(ope) Mxx 9k0	68,2**	59	55,4	52,3	7 529	8 669	165,8	> 120 000	8.7
TEKO R(ope) Mxx 10k0	78**	66,6**	62,5**	58,9	8 366	9 632	163,5	> 120 000	8.7
TEKO R(ope) Mxx 12k0	-	83,9**	77,8**	72,9**	10 039	11 558	158,5	> 120 000	8.7

VARIANTS (chip 5050)	POWER (W)					LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)									
Catalog name	BLUE FREE AMBER U500 < 1.7%	2200K Ra 70 U500 < 7%	2700K Ra 70 U500 < 10.6%	3000K Ra 70 U500 < 14%	4000K Ra 70 U500 < 21%	min	max	Up to	L90	kg*
TEKO R(ope) Lxx 1k0	7,6	7,6	7,1	6,6	6,4	848	946	147,8	> 120 000	8.7
TEKO R(ope) Lxx 1k5	11,3	10,9	10,3	9,5	9,3	1 271	1 419	152,6	> 120 000	8.7
TEKO R(ope) Lxx 2k0	14,2	13,8	12,6	12	11,4	1 695	1 892	166,0	> 120 000	8.7
TEKO R(ope) Lxx 3k0	21,1	20,7	18,9	17,7	16,9	2 543	2 837	167,9	> 120 000	8.7
TEKO R(ope) Lxx 4k0	28,2	27,7	25,5	23,6	22,6	3 390	3 783	167,4	> 120 000	8.7
TEKO R(ope) Lxx 5k0	35,8	35,1	32,3	29,8	28,2	4 238	4 729	167,7	> 120 000	8.7
TEKO R(ope) Lxx 6k0	39,9	39,1	39,4	36,3	34,3	5 086	5 675	165,5	> 120 000	8.7
TEKO R(ope) Lxx 7k0	46,6	46,2	42,3	39	37,2	5 933	6 621	178,0	> 120 000	8.7
TEKO R(ope) Lxx 8k0	54,1	53,7	48,4	44,7	42,5	6 781	7 566	178,0	> 120 000	8.7
TEKO R(ope) Lxx 9k0	61,9**	60,6	55,4	51,2	48,3	7 628	8 512	176,2	> 120 000	8.7
TEKO R(ope) Lxx 10k0	69,9**	68,5**	62,3**	57,4	54,3	8 476	9 458	174,2	> 120 000	8.7
TEKO R(ope) Lxx 12k0	-	-	76,9**	70,8**	66,7**	10 171	11 350	170,2	> 120 000	8.7

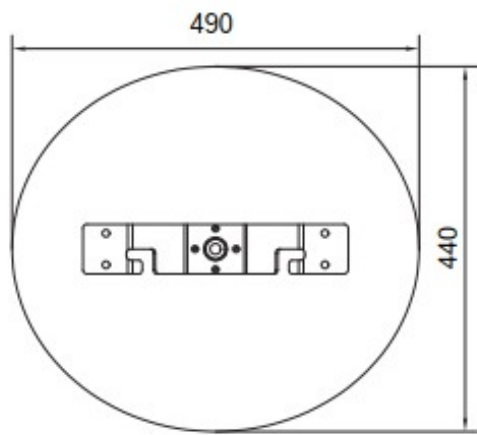
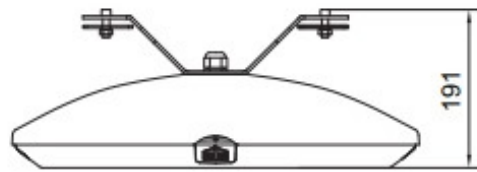
\* The weight may vary slightly depending on the luminaire variant.

\*\* Can not be produced under ENEC licence.

Luminaire ambient temperature TQ 25 °C
Initial color consistency: ≤ 5 SDCM
IDA fixture seal of approval relates to ≤ 3 000 K
To meet IDA requirements, the luminaires must be installed horizontally with the road
Optical and electrical parameters tolerance ± 10 %

When using the CLO function, the initial power and luminous flux is 10 % lower than the value shown in the table. LDT curves with CLO function have the letter "C" at the end of their marking.

The term BLUE FREE (AMBER) in lighting technology refers to light with a minimum amount of the blue part of the light spectrum (< 2%).



# TEKO rope

TEKO Rope TW II M01BL1 8k0 730 B124 43CAZ SJG H3S ENEC

**TEKO rope** Name and size of the luminaire

**TW** Tunable White Correlated Color Temperature (CCT)

bez značení Class I luminaire  
**II** Class II luminaire

G2 luminaire generation

**M01** Roads

L01 Roads

P01 Directional

U01 Area

ZP1 / ZL1 Pedestrian crossings

K01 Combined optics

BL1 BACK Light shades (straight)

**BL2** BACK Light shades (curved)

FL1 FRONT Light shades (straight)

FL2 FRONT Light shades (curved)

**8k0** Luminous flux marking (source)

**730** Colour rendering index Ra > 70  
Colour temperature 3 000 K

**B** LED module type

**1** LED chip type

**2** Chip performance BIN

**4** Mask type

12 On/Off driver (neDALI) + 2 pól. svorkovnice

13 On/Off driver (neDALI) + 3 pól. svorkovnice

**43** DALI driver + 3 pól. svorkovnice

44 DALI driver + 4 pól. svorkovnice

45 DALI driver + 5 pól. svorkovnice

45P DALI driver + 5 pól. svorkovnice + přítomnost pohybu

40 DALI driver + odpojovací svorkovnice (standard)

10 On/Off driver + odpojovací svorkovnice (standard)

DO D4i driver (pro Zhaga konektor) + odpojovací svorkovnice (standard)

**C** constant luminous flux (CLO)

**A** auto. dimming

ZT ZHAGA Top (top Zhaga connector), D4i driver

ZB ZHAGA Bottom (bottom Zhaga connector), D4i driver

ZN ZHAGA+NEMA connector (NEMA on top, Zhaga on bottom), D4i driver

Z2 2× ZHAGA (top and bottom connector), D4i driver

**Z** Zhaga konektor, 4 pin D4i driver

N NEMA connector, 7 pin (always only the top connector), DALI driver

**S** Additional surge protection 10 kV (S)

**J** Fuse

**G** Gesis connector

**H** H05(07)RN-F cable (1 mm<sup>2</sup>)

C CYKY cable (1,5 mm<sup>2</sup>)

WO Without cable

2 2 core cable

**3** 3 core cable

5 5 core cable

**S** Standard – 25 cm length of cable (led out of the luminaire)

1 1 meter (length in whole meters)

**ENEC** Certification



[lumenlights.eu/teko-rope-en](https://lumenlights.eu/teko-rope-en)

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