

TEKO Rope

DATASHEET | SPECIFICATIONS



TECHNICAL SPECIFICATIONS

ELECTRICAL PARAMETERS

Light source	» LED
AC voltage	» AC 220–240 V / 50–60 Hz
Connection	» connector Gesis (G) - standard
Driver	» electronic driver with surge protection L/N-Ground 10 kV
Surge protection	» additional surge protection 10 kV (S)
Fuse	» fuse 6,3 A (J)
Dimming	» non-dimmable (not labeled) » DALI (max. 3 core cable) » night dimming (A)
Constant lumen output	» CLO (C)

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » combined optics (Kxx) » BACK Light shades (BL1) » FRONT Light shades (FL1)
Light distribution	» direct
Color rendering index	» Ra > 70 » Ra > 80
Color temperature	» BLUE FREE (AMBER) » 2 200 K » 2 700 K » 3 000 K » 4 000 K » 5 000 K » 5 700 K » TW
Service life	» > 120 000 hrs. (L90)

CONSTRUCTION

Housing	» aluminum cast
Color	» RAL 7015/9006 » other RAL (on request)
Surface	» matte
Cover	» tempered glass

SAFETY

Protection class	» I » II
Ambient operating temperature	» -40 / +55 °C
Ingress protection	» IP 66
Impact protection	» IK 09
EMC	» YES
Vibration test	» NO
Static load test	» NO
Corrosion test – Salty spray	» YES (1 500 hours)
Lifetime test	» YES
Certification	» ENEC+ » ENEC » IDA Dark Sky Approved
Photobiological safety	» RG0
CB mark	» YES
RoHS	» YES
REACH	» YES

MOUNTING

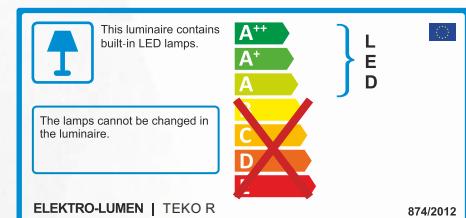
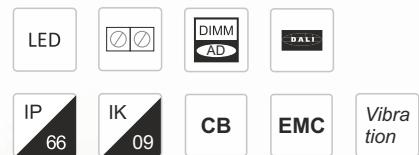
Method	» rope mounting
Recommended height	» up to 10 m

CHARACTERISTIC

Modern LED lamp for public lighting, intended for hanging on steel rope.

USE

Pedestrian zones Outdoor areas
Streets Square

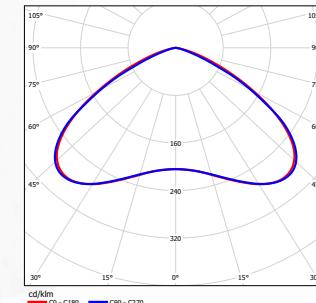


ELEKTRO-LUMEN | TEKO R

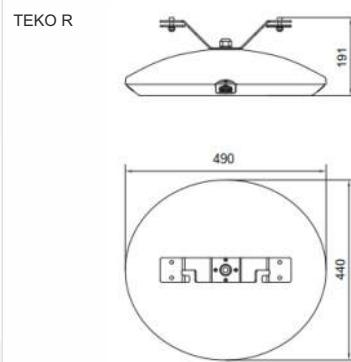
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LIGHT DISTRIBUTION CURVE

TEKO R U01 5k0 730 B124



DIMENSIONS



VARIANTS

DATASHEET TEKO R

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	L90B10	kg*	
TEKO R(ope) Mxx 2k0	14,5	12,8	12,3	11,7	1 673	1 851	158,2	> 100 000	8.7	
TEKO R(ope) Mxx 3k0	22,6	19,5	18,3	17,5	2 510	2 776	158,6	> 100 000	8.7	
TEKO R(ope) Mxx 4k0	30,6	27,1	25,1	23,9	3 346	3 701	154,9	> 100 000	8.7	
TEKO R(ope) Mxx 5k0	39,6	34,3	32,1	30,6	4 183	4 627	151,2	> 100 000	8.7	
TEKO R(ope) Mxx 6k0	42,7	42,6	39,5	37,4	5 020	5 552	148,4	> 100 000	8.7	
TEKO R(ope) Mxx 7k0	50,9	44,2	41,6	39,2	5 856	6 477	165,2	> 100 000	8.7	
TEKO R(ope) Mxx 8k0	59,5	51,4	48,2	45,4	6 693	7 402	163,0	> 100 000	8.7	
TEKO R(ope) Mxx 9k0	68,2**	59	55,4	52,3	7 529	8 328	159,2	> 100 000	8.7	
TEKO R(ope) Mxx 10k0	78**	66,6**	62,5**	58,9	8 366	9 253	157,1	> 100 000	8.7	
TEKO R(ope) Mxx 12k0	-	83,9**	77,8**	72,9**	10 039	11 104	152,3	> 100 000	8.7	
VARIANTS (chip 5050)	POWER (W)				LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT	
	Color temperature (K)				min	max				Up to
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	L90B10	kg*
TEKO R(ope) Lxx 2k0	14,2	13,8	12,6	12	11,4	1 695	1 892	166,0	> 100 000	8.7
TEKO R(ope) Lxx 3k0	21,1	20,7	18,9	17,7	16,9	2 543	2 837	167,9	> 100 000	8.7
TEKO R(ope) Lxx 4k0	28,2	27,7	25,5	23,6	22,6	3 390	3 783	167,4	> 100 000	8.7
TEKO R(ope) Lxx 5k0	35,8	35,1	32,3	29,8	28,2	4 238	4 729	167,7	> 100 000	8.7
TEKO R(ope) Lxx 6k0	39,9	39,1	39,4	36,3	34,3	5 086	5 675	165,5	> 100 000	8.7
TEKO R(ope) Lxx 7k0	46,6	46,2	42,3	39	37,2	5 933	6 621	178,0	> 100 000	8.7
TEKO R(ope) Lxx 8k0	54,1	53,7	48,4	44,7	42,5	6 781	7 566	178,0	> 100 000	8.7
TEKO R(ope) Lxx 9k0	61,9**	60,6	55,4	51,2	48,3	7 628	8 512	176,2	> 100 000	8.7
TEKO R(ope) Lxx 10k0	69,9**	68,5**	62,3**	57,4	54,3	8 476	9 458	174,2	> 100 000	8.7
TEKO R(ope) Lxx 12k0	-	-	76,9**	70,8**	66,7**	10 171	11 350	170,2	> 100 000	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 %

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

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.

CODE DESCRIPTION