

TEKO Rope

DATASHEET | SPECIFICATIONS



CHARACTERISTIC

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

USE

- Pedestrian zones
- Outdoor areas
- Streets
- Square

TECHNICAL SPECIFICATIONS

ELECTRICAL PARAMETERS

Light source	» LED
AC voltage	» AC 220–240 V / 50–60 Hz
Connection	» leading out cable » leading out cable with connector (G) » without cable (WO)
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) » AMBER module (Nxx) » AMBER optics (ALxx) » combined optics (Kxx) » BACK Light mask (BM2)
Light distribution	» direct
Color rendering index	» Ra > 70 » Ra > 80
Color temperature	» AMBER » 2 200 K » 2 700 K » 3 000 K » 4 000 K » 5 000 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	» EN EC+ » EN EC » IDA Dark Sky Approved
CB mark	» YES
RoHS	» YES
REACH	» YES

MOUNTING

Method	» rope mounting
Recommended height	» up to 10 m

LED

IP 66

IK 09

CB

EMC

Vibration

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A++

A+

A

C

D

}

L

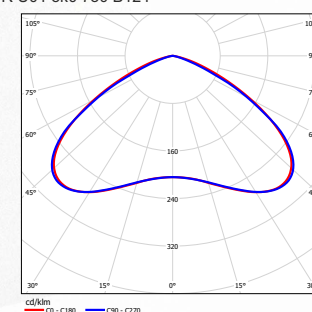
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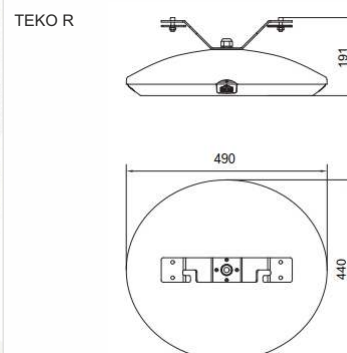
ELEKTRO-LUMEN | TEKO R 874/2012

LIGHT DISTRIBUTION CURVE

TEKO R U01 5k0 730 B124



DIMENSIONS



VARIANTS

DATASHEET TEKO R

VARIANTS chip (3535)	AMBER module			WARM WHITE 722			WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740			Luminaire efficiency (lm/W)
	Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		
min		max	min		max	min		max	min		max	min		max	min	max
TEKO R Mxx 2k0	16,4	1 796	1 896	16	1 850	1 952	13,9	1 743	1 839	13,9	1 850	1 952	12,6	1 789	1 888	150
TEKO R Mxx 3k0	27,2	2 668	2 815	23,4	2 668	2 815	20,9	2 668	2 815	19,6	2 721	2 872	18,3	2 722	2 872	157
TEKO R Mxx 4k0	39,8	3 557	3 754	33	3 619	3 819	28,1	3 557	3 754	26,8	3 655	3 857	24,3	3 561	3 757	155
TEKO R Mxx 5k0	50,9	4 509	4 758	43,4	4 518	4 767	35,5	4 411	4 654	33	4 429	4 673	31	4 464	4 711	152
TEKO R Mxx 6k0	61	5 336	5 630	44,4	5 354	5 649	45,5	5 434	5 734	41,1	5 318	5 612	38,3	5 367	5 663	148
TEKO R Mxx 7k0	75,6*	6 224	6 569	53,7	6 341	6 691	47	6 234	6 578	42	6 061	6 396	41,2	6 332	6 681	162
TEKO R Mxx 8k0	89,4*	7 114	7 507	63,5*	7 230	7 629	54,3	7 114	7 507	49,3	6 990	7 376	47	7 123	7 517	160
TEKO R Mxx 9k0	—	—	—	72,9*	7 995	8 436	63,3*	8 253	8 708	59,3	8 235	8 690	54,4	8 119	8 568	157
TEKO R Mxx 10k0	—	—	—	84,8*	9 044	9 544	69,9*	8 822	9 309	64,9*	8 857	9 346	61	8 929	9 422	154
TEKO R Mxx 12k0	—	—	—	—	—	—	84,9*	10 414	10 989	79*	10 578	11 162	74*	10 734	11 326	153
VARIANTS chip (5050)	AMBER optics			WARM WHITE 722			WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740			
TEKO R Lxx 2k0	12,5	1 328	1 543	—	—	—	12,5	1 724	1 824	12,5	1 804	1 909	12,5	1 910	2 022	162
TEKO R Lxx 3k0	17,5	1 921	2 232	—	—	—	18	2 612	2 764	17,5	2 612	2 764	17,5	2 763	2 924	167
TEKO R Lxx 4k0	23,1	2 564	2 979	—	—	—	24,5	3 492	3 695	23,1	3 478	3 681	23,1	3 687	3 902	169
TEKO R Lxx 4k0	28	3 095	3 596	—	—	—	31,1	4 411	4 669	30,6	4 549	4 814	28	4 451	4 711	168
TEKO R Lxx 6k0	34,1	3 694	4 293	—	—	—	38	5 331	5 642	35,9	5 242	5 548	34,1	5 313	5 623	165
TEKO R Lxx 7k0	36,9	4 312	5 010	—	—	—	41,3	6 175	6 535	39,6	6 220	6 582	36,9	6 202	6 563	178
TEKO R Lxx 8k0	44	5 128	5 958	—	—	—	46,4	6 984	7 391	46,4	7 321	7 748	44	7 375	7 804	177
TEKO R Lxx 9k0	48,7	5 665	6 582	—	—	—	53,7	8 014	8 482	51,2	8 041	8 510	48,7	8 148	8 623	177
TEKO R Lxx 10k0	53,5	6 190	7 193	—	—	—	59,5	8 823	9 337	58,5	9 098	9 629	53,5	8 903	9 422	176

* Can not be produced under ENEC licence

** Weight may vary depending on the luminaire variant

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 AMBER in lighting technology refers to light with a minimum amount of the blue part of the light spectrum.

AMBER module - the light emitted from the LED chips on the module is already free of the blue part of the light spectrum (standard PMMA optics).

AMBER optics - the optical system absorbs the blue part of light from the LED module and transmits the remaining light spectrum (special AMBER optics).

CODE DESCRIPTION

TEKO	R	TW	II	M01	8k0	730	B124	43CA	SJG	H3S	ENEC		
												Name	
												TW	Tunable White
												Class	
												Without marking	Class I
												II	Class II
												Optical system	
												M01	Roads
												L01	Roads
												P01	Directional
												U01	Area
												K01	Combined optics
												AL01	Communication, AMBER optics
												K01	Communication, AMBER module
												BM01	Back light mask
												Luminous flux marking (source)	
												Ra 70 / 3 000 K	
												LED module marking	
												B	LED module type
												1	
												2	
												4	Mask type
												Driver type	
												43	OSRAM 4DIM (DALI) + 3 pole terminal block
												4	OSRAM 4 DIM
												1	OSRAM 1DIM (none DALI)
												D	OSRAM DX – Dexal
												C	Constant luminous flux (CLO)
												A	AstroDim
												S	Surge protection 10 kV
												J	Fuse 6,3 A
												G	Gesis connector
												H	H05(07)RN-F cable (1 mm ²)
												C	CYKY cable (1,5 mm ²)
												WO	Without cable
												2	2 core cable
												3	3 core cable
												S	Standard – 25 cm length of cable (led out of the luminaire)
												1	1 meter (length in whole meters)
												ENEC certification	