

TEKO

DATASHEET | SPECIFICATIONS



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)
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) » preparation for wireless communication » Zhaga (Z) » NEMA (N)
Constant lumen output	» CLO (C)

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » combined optics (Kxx) » AMBER modul (Nxx) » AMBER optika (ALxx) » BACK Light maska (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	» YES
Static load test	» YES
Corrosion test – Salty spray	» YES (1 500 hours)
Lifetime test	» YES
Certification	» ENEC » ENEC+ » Zhaga-D4i » IDA Dark Sky Approved
CB mark	» YES
RoHS	» YES
REACH	» YES

MOUNTING

Method	» pole (48–60 mm) » 60–76 mm (included)
Recommended height	» up to 6 m

CHARACTERISTIC

Modern urban LED lamp

USE

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



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A++

A+

A

C

D

}

L

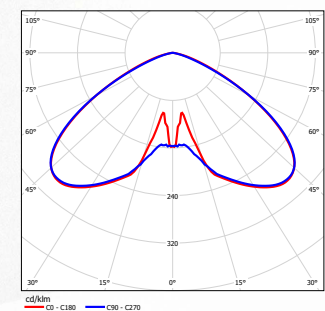
E

D

ELEKTRO-LUMEN | TEKO 874/2012

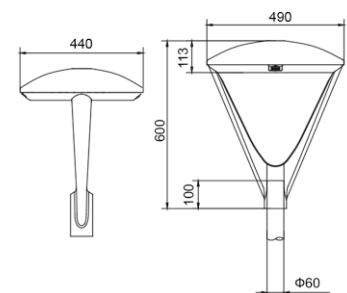
LIGHT DISTRIBUTION CURVE

TEKO U01 5k0 730 B124



DIMENSIONS

TEKO



VARIANTS

DATASHEET TEKO

VARIANTS chip (3535)	AMBER module			WARM WHITE 722			WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740			Luminaire efficiency (lm/W)	
Name	Power consumption	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)		Up to	Kg**
		min	max		min	max		min	max		min	max		min	max		
TEKO Mxx 2k0	16,4	1 473	1 714	16	1 516	1 765	13,9	1 429	1 663	13,9	1 516	1 765	12,6	1 467	1 707	135	9,9
TEKO Mxx 3k0	27,2	2 184	2 546	23,4	2 187	2 546	20,9	2 187	2 546	19,6	2 231	2 596	18,3	2 231	2 597	142	9,9
TEKO Mxx 4k0	39,8	2 916	3 394	33	2 967	3 453	28,1	2 916	3 394	26,8	2 996	3 487	24,3	2 919	3 397	140	9,9
TEKO Mxx 5k0	50,9	3 696	4 302	43,4	3 703	4 310	35,5	3 616	4 209	33	3 630	4 226	31	3 660	4 259	137	9,9
TEKO Mxx 6k0	61	4 374	5 091	44,4	4 389	5 108	45,5	4 454	5 184	41,1	4 359	5 074	38,3	4 400	5 121	134	9,9
TEKO Mxx 7k0	75,6*	5 103	5 940	53,7	5 198	6 050	47	5 110	5 948	42	4 969	5 783	41,2	5 190	6 041	147	9,9
TEKO Mxx 8k0	89,4*	5 832	6 788	63,5*	5 927	6 898	54,3	5 832	6 788	49,3	5 730	6 669	47	5 839	6 796	145	9,9
TEKO Mxx 9k0	—	—	—	72,9*	6 554	7 628	63,3*	6 765	7 874	59,3	6 751	7 857	54,4	6 656	7 747	142	9,9
TEKO Mxx 10k0	—	—	—	84,8*	7 414	8 629	69,9*	7 232	8 417	64,9*	7 261	8 451	61	7 319	8 519	140	9,9
TEKO Mxx 12k0	—	—	—	—	—	—	84,9*	8 537	9 936	79*	8 671	10 093	74*	8 799	10 241	138	9,9

VARIANTS chip (5050)	AMBER optics			WARM WHITE 722			WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740				
TEKO Lxx 2k0	12,5	1 216	1 403	—	—	—	12,5	1 578	1 659	12,5	1 651	1 736	12,5	1 749	1 838	147	9,9
TEKO Lxx 3k0	17,5	1 759	2 030	—	—	—	18	2 391	2 514	17,5	2 391	2 514	17,5	2 529	2 659	152	9,9
TEKO Lxx 4k0	23,1	2 347	2 709	—	—	—	24,5	3 196	3 360	23,1	3 184	3 347	23,1	3 375	3 548	154	9,9
TEKO Lxx 4k0	28	2 833	3 270	—	—	—	31,1	4 038	4 245	30,6	4 164	4 378	28	4 075	4 284	153	9,9
TEKO Lxx 6k0	34,1	3 382	3 903	—	—	—	38	4 880	5 130	35,9	4 798	5 045	34,1	4 864	5 113	150	9,9
TEKO Lxx 7k0	36,9	3 947	4 556	—	—	—	41,3	5 652	5 942	39,6	5 693	5 985	36,9	5 677	5 968	162	9,9
TEKO Lxx 8k0	44	4 694	5 417	—	—	—	46,4	6 393	6 720	46,4	6 702	7 045	44	6 750	7 097	161	9,9
TEKO Lxx 9k0	48,7	5 186	5 985	—	—	—	53,7	7 336	7 712	51,2	7 360	7 738	48,7	7 458	7 840	161	9,9
TEKO Lxx 10k0	53,5	5 666	6 540	—	—	—	59,5	8 076	8 490	58,5	8 328	8 755	53,5	8 149	8 567	160	9,9
TEKO Lxx 12k0	65,2*	6 763	7 806	—	—	—	73,6*	9 751	10 251	68,7*	9 597	10 089	65,2*	9 727	10 226	157	9,9

* 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).

