

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) » 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 » 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.

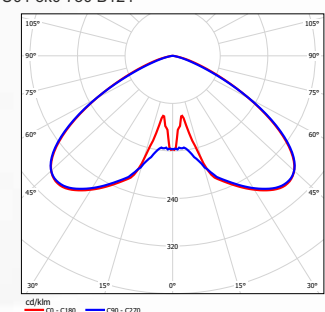
A++
A+
A
C
D

LED

ELEKTRO-LUMEN | TEKO 874/2012

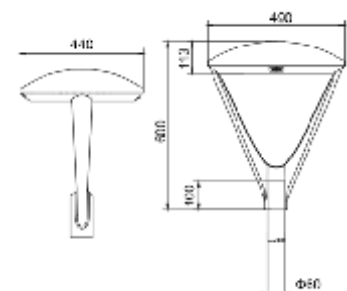
LIGHT DISTRIBUTION CURVE

TEKO U01 5k0 730 B124



DIMENSIONS

TEKO



VARIANTS

DATASHEET TEKO

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)	2700K (Ra 70)	3000K (Ra 70)	4000K (Ra 70)	min	max	Up to	L90B10	kg*
TEKO Mxx 2k0	14,5	12,8	12,3	11,7	1 474	1 741	148,8	> 100 000	9.9
TEKO Mxx 3k0	22,6	19,5	18,3	17,5	2 211	2 612	149,3	> 100 000	9.9
TEKO Mxx 4k0	30,6	27,1	25,1	23,9	2 948	3 483	145,7	> 100 000	9.9
TEKO Mxx 5k0	39,6	34,3	32,1	30,6	3 685	4 354	142,3	> 100 000	9.9
TEKO Mxx 6k0	42,7	42,6	39,5	37,4	4 421	5 224	139,7	> 100 000	9.9
TEKO Mxx 7k0	50,9	44,2	41,6	39,2	5 158	6 095	155,5	> 100 000	9.9
TEKO Mxx 8k0	59,5	51,4	48,2	45,4	5 895	6 966	153,4	> 100 000	9.9
TEKO Mxx 9k0	68,2**	59	55,4	52,3	6 632	7 836	149,8	> 100 000	9.9
TEKO Mxx 10k0	78**	66,6**	62,5**	58,9	7 369	8 707	147,8	> 100 000	9.9
TEKO Mxx 12k0	-	83,9**	77,8**	72,9**	8 843	10 448	143,3	> 100 000	9.9

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)	2200K (Ra 70)	2700K (Ra 70)	3000K (Ra 70)	4000K (Ra 70)	min	max	Up to	L90B10	kg*
TEKO Lxx 2k0	14,2	13,8	12,6	12	11,4	1 466	1 716	150,5	> 100 000	9.9
TEKO Lxx 3k0	21,1	20,7	18,9	17,7	16,9	2 199	2 575	152,4	> 100 000	9.9
TEKO Lxx 4k0	28,2	27,7	25,5	23,6	22,6	2 932	3 433	151,9	> 100 000	9.9
TEKO Lxx 5k0	35,8	35,1	32,3	29,8	28,2	3 665	4 291	152,2	> 100 000	9.9
TEKO Lxx 6k0	39,9	39,1	39,4	36,3	34,3	4 397	5 149	150,1	> 100 000	9.9
TEKO Lxx 7k0	46,6	46,2	42,3	39	37,2	5 130	6 007	161,5	> 100 000	9.9
TEKO Lxx 8k0	54,1	53,7	48,4	44,7	42,5	5 863	6 866	161,6	> 100 000	9.9
TEKO Lxx 9k0	61,9**	60,6	55,4	51,2	48,3	6 596	7 724	159,9	> 100 000	9.9
TEKO Lxx 10k0	69,9**	68,5**	62,3**	57,4	54,3	7 329	8 582	158,0	> 100 000	9.9
TEKO Lxx 12k0	-	-	76,9**	70,8**	66,7**	8 795	10 298	154,4	> 100 000	9.9

* 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%).

CODE DESCRIPTION

TEKO	TW	II	M01	BL1	8k0	730	B124	43CAZ	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											
BL1 BACK Light shades											
Luminous flux marking (source)											
Ra 70 / 3 000 K											
LED module marking											
B LED module type											
1											
2											
4 Mask type											
Driver type											
43 DALI driver + 3 pole terminal block											
4 DALI driver											
1 on/off driver											
D D4i driver (for Zhaga connector)											
C Constant luminous flux (CLO)											
A AstroDim											
Z Zhaga connector, 4 pin (D4i driver)											
N NEMA connector, 7 pin (DALI driver)											
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)											
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											