

# TEKO Air

DATASHEET | SPECIFICATIONS



## CHARACTERISTIC

Modern LED public lighting fixture, designed for top mounting.

## USE

- Square
- City parks
- Sidewalks
- Parking spaces

## 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) » 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	» decorative boom mounted (on request)
Recommended height	» up to 6 m

- LED
- IP 66
- IK 09
- DIMM AD
- DALI
- CB
- EMC
- Vibration

This luminaire contains built-in LED lamps.

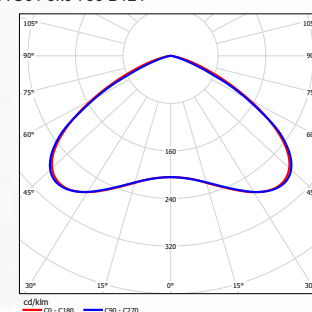
The lamps cannot be changed in the luminaire.

A++ A+ A C D

ELEKTRO-LUMEN | TEKO A 874/2012

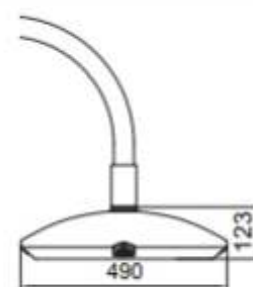
## LIGHT DISTRIBUTION CURVE

TEKO A U01 5k0 730 B124



## DIMENSIONS

TEKO A



# VARIANTS

## DATASHEET TEKO A

VARIANTS (chip 3535)	POWER (W)				LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)				min	max			
Catalog name	2200K Ra 70 U500 < 6.5%	2700K Ra 70 U500 < 10.5%	3000K Ra 70 U500 < 15%	4000K Ra 70 U500 < 23%			Up to	L90B10	kg*
TEKO A(ir) Mxx 2k0	14,5	12,8	12,3	11,7	1 673	1 851	158,2	> 100 000	8.4
TEKO A(ir) Mxx 3k0	22,6	19,5	18,3	17,5	2 510	2 776	158,6	> 100 000	8.4
TEKO A(ir) Mxx 4k0	30,6	27,1	25,1	23,9	3 346	3 701	154,9	> 100 000	8.4
TEKO A(ir) Mxx 5k0	39,6	34,3	32,1	30,6	4 183	4 627	151,2	> 100 000	8.4
TEKO A(ir) Mxx 6k0	42,7	42,6	39,5	37,4	5 020	5 552	148,4	> 100 000	8.4
TEKO A(ir) Mxx 7k0	50,9	44,2	41,6	39,2	5 856	6 477	165,2	> 100 000	8.4
TEKO A(ir) Mxx 8k0	59,5	51,4	48,2	45,4	6 693	7 402	163,0	> 100 000	8.4
TEKO A(ir) Mxx 9k0	68,2**	59	55,4	52,3	7 529	8 328	159,2	> 100 000	8.4
TEKO A(ir) Mxx 10k0	78**	66,6**	62,5**	58,9	8 366	9 253	157,1	> 100 000	8.4
TEKO A(ir) Mxx 12k0	-	83,9**	77,8**	72,9**	10 039	11 104	152,3	> 100 000	8.4

VARIANTS (chip 5050)	POWER (W)					LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)					min	max			
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%			Up to	L90B10	kg*
TEKO A(ir) Lxx 2k0	14,2	13,8	12,6	12	11,4	1 695	1 892	166,0	> 100 000	8.4
TEKO A(ir) Lxx 3k0	21,1	20,7	18,9	17,7	16,9	2 543	2 837	167,9	> 100 000	8.4
TEKO A(ir) Lxx 4k0	28,2	27,7	25,5	23,6	22,6	3 390	3 783	167,4	> 100 000	8.4
TEKO A(ir) Lxx 5k0	35,8	35,1	32,3	29,8	28,2	4 238	4 729	167,7	> 100 000	8.4
TEKO A(ir) Lxx 6k0	39,9	39,1	39,4	36,3	34,3	5 086	5 675	165,5	> 100 000	8.4
TEKO A(ir) Lxx 7k0	46,6	46,2	42,3	39	37,2	5 933	6 621	178,0	> 100 000	8.4
TEKO A(ir) Lxx 8k0	54,1	53,7	48,4	44,7	42,5	6 781	7 566	178,0	> 100 000	8.4
TEKO A(ir) Lxx 9k0	61,9**	60,6	55,4	51,2	48,3	7 628	8 512	176,2	> 100 000	8.4
TEKO A(ir) Lxx 10k0	69,9**	68,5**	62,3**	57,4	54,3	8 476	9 458	174,2	> 100 000	8.4
TEKO A(ir) Lxx 12k0	-	-	76,9**	70,8**	66,7**	10 171	11 350	170,2	> 100 000	8.4

\* 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 A	TW	II	M01	BL1	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
												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
												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 <sup>2</sup> )
												C	CYKY cable (1,5 mm <sup>2</sup> )
												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	