

SHANTA S

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

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » pedestrian crossing (ZLx/ZPx) - cannot ZP06 and ZL06 » combined optics (Kxx) » AMBER modul (Nxx) » AMBER optik (ALxx) » BACK Light mask (BM2)
Light distribution	» direct
Color rendering index	» Ra > 70 » Ra > 80
Color temperature	» 2 700 K » 3 000 K » 4 000 K » 5 000 K
Service life	» > 100 000 hours (L90B10)

CONSTRUCTION

Housing	» aluminum cast
Color	» RAL 7015
Surface	» matte
Cover	» tempered glass

SAFETY

Protection class	» I » II
Ambient operating temperature	» max. -40 / +50 °C
Ingress protection	» IP 66
Impact protection	» IK 08

MOUNTING

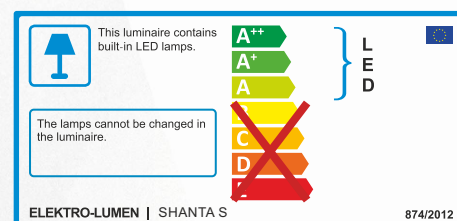
Method	» pole or outrigger (48–60 mm) » adapter (60–76) (on request) » adjustable joint ± 10°
Recommended height	» up to 8 m

CHARACTERISTIC

Modern outdoor LED luminaire with integrated surge protection and adjustable joint ± 10°.

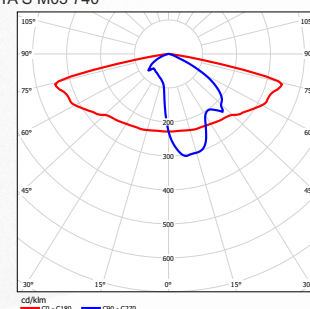
USE

- Pedestrian zones
- Outdoor areas
- Road classes I. and II.
- Sidewalks
- Cycle paths



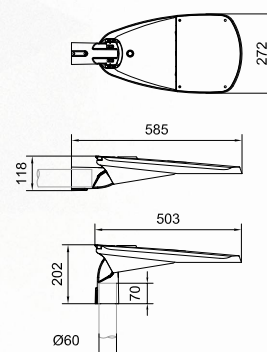
LIGHT DISTRIBUTION CURVE

SHANTA S M03 740



DIMENSIONS

SHANTA S



VARIANTS

DATASHEET SHANTA S

VARIANTS (chip 3535)	POWER (W)				LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)				min	max	Up to	L90B10	kg*
Catalog name	2200K Ra 70 U500 < 6.5%	2700K Ra 70 U500 < 10.5%	3000K Ra 70 U500 < 15%	4000K Ra 70 U500 < 23%					
SHANTA S Mxx 1k0	7,8	7,1	6,9	6,5	837	925	142,3	> 100 000	4.0
SHANTA S Mxx 1k5	11,8	10,4	9,9	9,4	1 255	1 388	147,7	> 100 000	4.0
SHANTA S Mxx 2k0	14,5	12,8	12,3	11,7	1 673	1 851	158,2	> 100 000	4.0
SHANTA S Mxx 2k5	18,1	16,1	15,1	14,7	2 092	2 313	157,3	> 100 000	4.0
SHANTA S Mxx 3k0	22,6	19,5	18,3	17,5	2 510	2 776	158,6	> 100 000	4.0
SHANTA S Mxx 3k5	26,4	23,4	21,7	20,7	2 928	3 239	156,5	> 100 000	4.0
SHANTA S Mxx 4k0	30,6	27,1	25,1	23,9	3 346	3 701	154,9	> 100 000	4.0
SHANTA S Mxx 5k0	39,6	34,3	32,1	30,6	4 183	4 627	151,2	> 100 000	4.0
SHANTA S Mxx 6k0	45,3	42,6	39,5	37,4	5 020	5 552	148,4	> 100 000	4.0
SHANTA S Mxx 7k0	53,7	46,2	43,9	41,3	5 856	6 477	156,8	> 100 000	4.0
SHANTA S Mxx 8k0	63,7	54	51,1	47,7	6 693	7 402	155,2	> 100 000	4.0
SHANTA S Mxx 9k0	-	63	59,1	54,7	7 529	8 328	152,2	> 100 000	4.0

VARIANTS (chip 5050)	POWER (W)					LUMINAIRE OUTPUT FLUX (lm)		LUMINAIRE EFFICIENCY (lm/W)	SERVICE LIFE (hrs.)	WEIGHT
	Color temperature (K)					min	max	Up to	L90B10	kg*
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%					
SHANTA S Lxx 1k0	7,6	7,6	7,1	6,6	6,4	875	946	147,8	> 100 000	4.0
SHANTA S Lxx 1k5	11,3	10,9	10,3	9,5	9,3	1 312	1 419	152,6	> 100 000	4.0
SHANTA S Lxx 2k0	14,2	13,8	12,6	12	11,4	1 750	1 892	166,0	> 100 000	4.0
SHANTA S Lxx 2k5	17,6	17,2	15,6	14,6	14	2 187	2 365	168,9	> 100 000	4.0
SHANTA S Lxx 3k0	21,1	20,7	18,9	17,7	16,9	2 625	2 837	167,9	> 100 000	4.0
SHANTA S Lxx 3k5	24,6	24,1	22,3	20,6	19,6	3 062	3 310	168,9	> 100 000	4.0
SHANTA S Lxx 4k0	28,2	27,7	25,5	23,6	22,6	3 500	3 783	167,4	> 100 000	4.0
SHANTA S Lxx 5k0	35,8	35,1	32,3	29,8	28,2	4 375	4 729	167,7	> 100 000	4.0
SHANTA S Lxx 6k0	41,1	40,5	39,4	36,3	34,3	5 249	5 675	165,5	> 100 000	4.0
SHANTA S Lxx 7k0	48,4	47,5	43,3	40,9	38,2	6 124	6 621	173,3	> 100 000	4.0
SHANTA S Lxx 8k0	56,5	55,5	50,4	46,9	44,3	6 999	7 566	170,8	> 100 000	4.0
SHANTA S Lxx 9k0	64,8	63,7	57,8	53,2	50,1	7 874	8 512	169,9	> 100 000	4.0

* The weight may vary slightly depending on the luminaire variant.

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Luminaire ambient temperature TQ 25 °C
Initial color consistency: ≤ 5 SDCM
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

SHANTA S	II	M01	8k0	730	B124	45CAZ	SJG	H3S		
									Name	
									Class	
									Without marking	Class I
									II	Class II
									Luminaire generation	
									M01	Roads
									L01	Roads
									P01	Directional
									U01	Area
									Bm2	BACK Light mask
									K01	Combined optics
									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
									45	OSRAM 4DIM (DALI) + 5 pole terminal block
									45P	OSRAM 4DIM (DALI) + 5 pole terminal block + presence detection
									4	OSRAM 4 DIM
									1	OSRAM 1DIM (noDALI)
									D	OSRAM DX – Dexal (for Zhaga connector)
									C	Constant luminous flux (CLO)
									A	AstroDim
									Z	Zhaga konektor, 4 pin (Dexal driver)
									N	NEMA connector, 7 pin (4 DIM driver)
									S	Disconnect terminal block
									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
									5	5 core cable
									S	Standard – 25 cm length of cable (led out of the luminaire)
									1	1 meter (length in whole meters)