

# TALOS M - 213S - ZB18

## TECHNICAL DATASHEET

### Compliance with :

EN60598-1, EN60598-2-3, EN61547, EN62031, EN55015, EN61000-3-2, EN61000-3-3, EN62384, EN61347-1, EN61347-2-13



### Protections and certifications

Protection degree (EN 60529)	IP66
IK code (EN 62262)	IK09
Insulation class	I & II

### Power supply

Voltage	220-230V~ 50/60Hz
Power factor	>0,95
THD	<15%
Driver efficiency (full load)	>92%
Surge protection	10kV

### Wire, weight, mounting

Connection	Max cable diameter 10mm
Optional connection	IP68 connector / cable
Length out of the lamp [mm]	0...10m (Option)
Weight [Kg]	3,5
Fixing	Adjustable, arm or head pole
Pole diam. [mm]	60
Adjustment	-5° ÷ +15°

### Thermal features

Working temperature [°C]	-40 ÷ +50
Humidity range [%]	10 ÷ 90

### Mechanical features

Body material	Die cast aluminum
Body Color	Gray RAL 9023
Glass type	Tempered
Glass Thickness [mm]	5
EPA [m²]	Side: 0.03m² / Plan: 0.08m²

### Optical features

LED manufacturer	Detas by Lumileds
Driver manufacturer	OSRAM 4DIM / Philips / Tridonic
Beam angles	Asymmetric
Color Rendering Index (CRI)	>70
Total failure rate	F10 @ 100000h , <0,02% @ 1000h
Led lifetime [hrs] @Tc	L90B10 >100'000 (16D1000)
Class of luminous intensity	0

### Dimming

Integrated dimming	Included
DALI	Powered DALI-2
1-10V	Excluded
Lineswitch/StepDim	Excluded
Wireless	on request
Zhaga Book 18	Socket Zhaga Book 18

Optical features		2200K - 3 step MacAdam						
Configuration (LED number - Type - Current)	Total lamp flux [lm]*	lm/w	Current [A]	Total power consumption [W]	Optical power [W]	Led Module Temperature Tp (Ta=25°C) [°C]	Driver Temperatur Tc (Ta=25°C) [°C]	Flux maintenance @Tp @L90B10
8D350 8W	1152	144	0,03 ±5%	8 ±5%	8 ±5%	30 ±5%	35 ±5%	115'000
8D530 13W	1756	135	0,06 ±5%	13 ±5%	12 ±5%	34 ±5%	40 ±5%	110'000
8D700 18W	2251	125	0,08 ±5%	18 ±5%	16 ±5%	47 ±5%	47 ±5%	105'000
8D1000 26W	2977	115	0,11 ±5%	26 ±5%	22 ±5%	53 ±5%	52 ±5%	100'000
16D350 16W	2435	152	0,07 ±5%	16 ±5%	16 ±5%	31 ±5%	47 ±5%	105'000
16D440 21W	2964	141	0,09 ±5%	21 ±5%	20 ±5%	33 ±5%	55 ±5%	100'000
16D530 25W	3378	135	0,11 ±5%	25 ±5%	24 ±5%	36 ±5%	54 ±5%	100'000
16D600 29W	3834	132	0,12 ±5%	29 ±5%	27 ±5%	42 ±5%	55 ±5%	100'000
16D700 34W	4339	128	0,15 ±5%	34 ±5%	31 ±5%	51 ±5%	40 ±5%	100'000
16D830 41W	5066	124	0,18 ±5%	41 ±5%	37 ±5%	57 ±5%	43 ±5%	100'000
16D1000 50W	5889	118	0,21 ±5%	50 ±5%	44 ±5%	63 ±5%	48 ±5%	100'000

Optical features		3000K - 3 step MacAdam						
Configuration (LED number - Type - Current)	Total lamp flux [lm]*	lm/w	Current [A]	Total power consumption [W]	Optical power [W]	Led Module Temperature Tp (Ta=25°C) [°C]	Driver Temperatur Tc (Ta=25°C) [°C]	Flux maintenance @Tp @L90B10
8D350 8W	1181	148	0,03 ±5%	8 ±5%	8 ±5%	30 ±5%	35 ±5%	115'000
8D530 13W	1800	138	0,06 ±5%	13 ±5%	12 ±5%	34 ±5%	40 ±5%	110'000
8D700 18W	2308	128	0,08 ±5%	18 ±5%	16 ±5%	47 ±5%	47 ±5%	105'000
8D1000 26W	3052	117	0,11 ±5%	26 ±5%	22 ±5%	53 ±5%	52 ±5%	100'000
16D350 16W	2497	156	0,07 ±5%	16 ±5%	16 ±5%	31 ±5%	47 ±5%	105'000
16D440 21W	3038	145	0,09 ±5%	21 ±5%	20 ±5%	33 ±5%	55 ±5%	100'000
16D530 25W	3463	139	0,11 ±5%	25 ±5%	24 ±5%	36 ±5%	54 ±5%	100'000
16D600 29W	3930	136	0,12 ±5%	29 ±5%	27 ±5%	42 ±5%	55 ±5%	100'000
16D700 34W	4448	131	0,15 ±5%	34 ±5%	31 ±5%	51 ±5%	40 ±5%	100'000
16D830 41W	5193	127	0,18 ±5%	41 ±5%	37 ±5%	57 ±5%	43 ±5%	100'000
16D1000 50W	6037	121	0,21 ±5%	50 ±5%	44 ±5%	63 ±5%	48 ±5%	100'000

Note: The luminous flux is related to the Tp temperature of the LED module (Ta = 25 ° C)

Optical features 4000K - 3 step MacAdam								
Configuration (LED number - Type - Current)	Total lamp flux [lm]*	lm/w	Current [A]	Total power consumption [W]	Optical power [W]	Led Module Temperature Tp (Ta=25°C) [°C]	Driver Temperature Tc (Ta=25°C) [°C]	Flux maintenance @Tp @L90B10
8D350 8W	1246	156	0,03 ±5%	8 ±5%	8 ±5%	30 ±5%	35 ±5%	115'000
8D530 13W	1899	146	0,06 ±5%	13 ±5%	12 ±5%	34 ±5%	40 ±5%	110'000
8D700 18W	2435	135	0,08 ±5%	18 ±5%	16 ±5%	47 ±5%	47 ±5%	105'000
8D1000 26W	3221	124	0,11 ±5%	26 ±5%	22 ±5%	53 ±5%	52 ±5%	100'000
16D350 16W	2635	165	0,07 ±5%	16 ±5%	16 ±5%	31 ±5%	47 ±5%	105'000
16D440 21W	3206	153	0,09 ±5%	21 ±5%	20 ±5%	33 ±5%	55 ±5%	100'000
16D530 25W	3654	146	0,11 ±5%	25 ±5%	24 ±5%	36 ±5%	54 ±5%	100'000
16D600 29W	4147	143	0,12 ±5%	29 ±5%	27 ±5%	42 ±5%	55 ±5%	100'000
16D700 34W	4694	138	0,15 ±5%	34 ±5%	31 ±5%	51 ±5%	40 ±5%	100'000
16D830 41W	5480	134	0,18 ±5%	41 ±5%	37 ±5%	57 ±5%	43 ±5%	100'000
16D1000 50W	6371	127	0,21 ±5%	50 ±5%	44 ±5%	63 ±5%	48 ±5%	100'000

Note: The luminous flux is related to the Tp temperature of the LED module (Ta = 25 ° C)

