

TALOS N FV - 213A

TECHNICAL DATASHEET

Compliance with:

EN60598-1, EN60598-2-3, EN61547, EN62031, EN55015, EN61000-3-2, EN61000-3-3



Protections and certifications

Protection degree (EN 60529)	IP66
IK code (EN 62262)	IK09
Insulation class	III

Power supply

Voltage	12V DC
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	0...10m (Option)
Weight [Kg]	5.2 (Talos) – 67.2 kg (Talos + Kit FV)
Fixing	Adjustable, arm or head pole
Pole diam. [mm]	90
Adjustment	-15° ÷ +15°

Thermal features

Working temperature [°C]	-25 ÷ +50
Humidity range [%]	10 ÷ 90

Mechanical features

Body material	Die cast aluminum Supercast ®
Body Color	Gray RAL 9023
Glass type	Tempered
Glass Thickness [mm]	4
EPA (m²)	Side: 0.03m² / Plan: 0.11m²

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 >100000 (24D1000)
Class of luminous intensity	G*2

Kit FV

Photovoltaic Kit	AGM Lead-Acid Battery (Photovoltaic Panel – Ta=25°C)
Type	Mono/Poly Crystalline Silicon
Peak Power [W]	190
Voltage [V] / Capacity [Ah]	12V / 100Ah
Average Life (50% nominal capacity)	4 [years]
Autonomy (Ta=25°C)	3 [days] (in the absence of sunlight)

Optical features 2200K - 3 Step Mac-Adam								
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
12D350 13W	1803	139	0,06 ±5%	13 ±5%	12 ±5%	40 ±5%	35 ±5%	110'000
12D440 16W	2158	135	0,07 ±5%	16 ±5%	14 ±5%	42 ±5%	37 ±5%	105'000
12D530 19W	2645	139	0,08 ±5%	19 ±5%	17 ±5%	43 ±5%	38 ±5%	105'000
12D600 22W	2969	135	0,09 ±5%	22 ±5%	20 ±5%	45 ±5%	40 ±5%	105'000
12D700 26W	3286	126	0,11 ±5%	26 ±5%	23 ±5%	47 ±5%	40 ±5%	100'000
24D350 25W	3657	146	0,11 ±5%	25 ±5%	23 ±5%	45 ±5%	40 ±5%	105'000
24D440 31W	4568	147	0,13 ±5%	31 ±5%	28 ±5%	49 ±5%	50 ±5%	100'000
24D530 38W	5420	143	0,16 ±5%	38 ±5%	34 ±5%	53 ±5%	55 ±5%	100'000

Optical features 3000K - 3 Step Mac-Adam								
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
12D350 13W	1848	142	0,06 ±5%	13 ±5%	12 ±5%	40 ±5%	35 ±5%	110'000
12D440 16W	2212	138	0,07 ±5%	16 ±5%	14 ±5%	42 ±5%	37 ±5%	105'000
12D530 19W	2712	143	0,08 ±5%	19 ±5%	17 ±5%	43 ±5%	38 ±5%	105'000
12D600 22W	3044	138	0,09 ±5%	22 ±5%	20 ±5%	45 ±5%	40 ±5%	105'000
12D700 26W	3368	130	0,11 ±5%	26 ±5%	23 ±5%	47 ±5%	40 ±5%	100'000
24D350 25W	3749	150	0,11 ±5%	25 ±5%	23 ±5%	45 ±5%	40 ±5%	105'000
24D440 31W	4683	151	0,13 ±5%	31 ±5%	28 ±5%	49 ±5%	50 ±5%	100'000
24D530 38W	5556	146	0,16 ±5%	38 ±5%	34 ±5%	53 ±5%	55 ±5%	100'000

4000K & 5700K - 3 Step Mac-Adam

Note: The luminous flux is related to the T_p temperature of the LED module ($T_a = 25^\circ \text{C}$)

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0
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