

TALOS N

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	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
Length out of the lamp [mm]	350 mm (only with IP68 connector)
Weight [Kg]	5
Fixing	Adjustable, arm or head pole
Pole diam. [mm]	60
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)	0,04

Optical features

LED manufacturer	PHILIPS / Custom
Driver manufacturer	OSRAM 4DIM
Beam angles	Asymmetric
Color Rendering Index (CRI)	>70
Total failure rate	F10 @ 100000h , <0,02% @ 1000h
Led lifetime [hrs] @Tc	L80B10 >60000 (24F1000)

Dimming

Integrated dimming	Included
DALI	on request
1-10V	Option (1-10V or DALI)
Lineswitch/StepDim	Included
Wireless	Option

Optical features		3000K - 4 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 @L80B10
12F350 13W	1665	128	0,06 ±5%	13 ±5%	11 ±5%	40 ±5%	35 ±5%	100'000
12F530 20W	2393	120	0,09 ±5%	20 ±5%	18 ±5%	43 ±5%	38 ±5%	100'000
12F700 26W	3039	117	0,11 ±5%	26 ±5%	24 ±5%	47 ±5%	40 ±5%	100'000
12F1000 39W	3996	102	0,17 ±5%	39 ±5%	35 ±5%	51 ±5%	55 ±5%	84'700
24F350 25W	3192	128	0,11 ±5%	25 ±5%	23 ±5%	45 ±5%	40 ±5%	100'000
24F440 32W	3909	122	0,14 ±5%	32 ±5%	29 ±5%	47 ±5%	47 ±5%	100'000
24F530 39W	4625	119	0,17 ±5%	39 ±5%	35 ±5%	49 ±5%	55 ±5%	84'700
24F600 45W	5188	115	0,19 ±5%	45 ±5%	41 ±5%	53 ±5%	57 ±5%	84'700
24F700 53W	5874	111	0,23 ±5%	53 ±5%	49 ±5%	57 ±5%	60 ±5%	84'700
24F1000 77W	7724	100	0,33 ±5%	77 ±5%	69 ±5%	65 ±5%	60 ±5%	84'700
36F350 38W	4647	122	0,16 ±5%	38 ±5%	34 ±5%	47 ±5%	52 ±5%	100'000
36F440 48W	5691	119	0,21 ±5%	48 ±5%	44 ±5%	51 ±5%	55 ±5%	84'700
36F530 59W	6734	114	0,25 ±5%	59 ±5%	52 ±5%	55 ±5%	57 ±5%	84'700
36F600 67W	7554	113	0,29 ±5%	67 ±5%	60 ±5%	59 ±5%	60 ±5%	84'700
36F700 79W	8552	108	0,34 ±5%	79 ±5%	70 ±5%	63 ±5%	60 ±5%	84'700

Optical features		4000K - 4 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 @L80B10
12F350 13W	1752	135	0,06 ±5%	13 ±5%	11 ±5%	40 ±5%	35 ±5%	100'000
12F530 20W	2518	126	0,09 ±5%	20 ±5%	18 ±5%	43 ±5%	38 ±5%	100'000
12F700 26W	3197	123	0,11 ±5%	26 ±5%	24 ±5%	47 ±5%	40 ±5%	100'000
12F1000 39W	4204	108	0,17 ±5%	39 ±5%	35 ±5%	51 ±5%	55 ±5%	84'700
24F350 25W	3358	134	0,11 ±5%	25 ±5%	23 ±5%	45 ±5%	40 ±5%	100'000
24F440 32W	4112	129	0,14 ±5%	32 ±5%	29 ±5%	47 ±5%	47 ±5%	100'000
24F530 39W	4866	125	0,17 ±5%	39 ±5%	35 ±5%	49 ±5%	55 ±5%	84'700
24F600 45W	5458	121	0,19 ±5%	45 ±5%	41 ±5%	53 ±5%	57 ±5%	84'700
24F700 53W	6180	117	0,23 ±5%	53 ±5%	49 ±5%	57 ±5%	60 ±5%	84'700
24F1000 77W	8126	106	0,33 ±5%	77 ±5%	69 ±5%	65 ±5%	60 ±5%	84'700
36F350 38W	4888	129	0,16 ±5%	38 ±5%	34 ±5%	47 ±5%	52 ±5%	100'000
36F440 48W	5987	125	0,21 ±5%	48 ±5%	44 ±5%	51 ±5%	55 ±5%	84'700
36F530 59W	7084	120	0,25 ±5%	59 ±5%	52 ±5%	55 ±5%	57 ±5%	84'700
36F600 67W	7947	119	0,29 ±5%	67 ±5%	60 ±5%	59 ±5%	60 ±5%	84'700
36F700 79W	8997	114	0,34 ±5%	79 ±5%	70 ±5%	63 ±5%	60 ±5%	84'700

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

