

## Stratos N - 46A

### TECHNICAL DATASHEET

#### Compliance with :

EN60598-1, EN60598-2-3, EN61547, EN62031, EN55015, EN61000-3-2, EN61000-3-3, EN61347-2-13, EN62471



#### Protections and certifications

Protection degree (EN 60529) IP66

IK code (EN 62262) IK08

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 IP68 connector

Optional connection Cable without 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 0° ÷ 20° , +10° ÷ -10°

#### Thermal features

Working temperature [°C] -40 ÷ +50

Humidity range [%] 10 ÷ 90

#### Mechanical features

Body material Aluminum Supercast®

Body Color Gray RAL 7040

Glass type Tempered

Glass Thickness [mm] 5

EPA (m<sup>2</sup>) 0,03

#### Optical features

LED manufacturer Custom

Driver manufacturer PHILIPS

Beam angles Asymmetric

Color Rendering Index (CRI) >70

Total failure rate F10 @ 100000h , <0,02% @ 1000h

Flux maintenance @Tp @L90B10 >100000 (9M400)

#### Dimming

Dynadimmer Included

DALI Option

1-10V Option (1-10V or DALI)

Lineswitch/StepDim Included

Wireless Option

Optical features		3000K - 5 step MacAdam (3 on request)							
Configuration (LED number - Type - Current)	Total lamp flux [lm]*	lm/w tot.	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	
3M400 14,7W	1420	97	0,06 ±5%	15 ±5%	13 ±5%	39 ±5%	40 ±5%	100'000	
3M550 20,2W	1950	97	0,09 ±5%	20 ±5%	18 ±5%	41 ±5%	40 ±5%	100'000	
3M700 25,7W	2312	90	0,11 ±5%	26 ±5%	23 ±5%	43 ±5%	48 ±5%	90'000	
4M400 19,6W	1891	96	0,08 ±5%	20 ±5%	17 ±5%	41 ±5%	45 ±5%	100'000	
4M550 26,9W	2589	96	0,12 ±5%	27 ±5%	24 ±5%	43 ±5%	48 ±5%	90'000	
4M700 34,2W	3041	89	0,15 ±5%	34 ±5%	31 ±5%	47 ±5%	55 ±5%	80'000	
6M400 29,3W	2939	100	0,13 ±5%	29 ±5%	26 ±5%	45 ±5%	50 ±5%	100'000	
6M550 40,3W	3798	94	0,17 ±5%	40 ±5%	36 ±5%	52 ±5%	57 ±5%	90'000	
6M700 51,3W	4426	86	0,22 ±5%	51 ±5%	46 ±5%	55 ±5%	60 ±5%	80'000	
6M850 62,3W	5192	83	0,27 ±5%	62 ±5%	56 ±5%	50 ±5%	55 ±5%	70'000	
9M400 43,6W	4404	101	0,19 ±5%	44 ±5%	39 ±5%	53 ±5%	58 ±5%	90'000	
9M550 60,5W	5673	94	0,26 ±5%	61 ±5%	54 ±5%	57 ±5%	63 ±5%	70'000	
9M700 77W	6620	86	0,33 ±5%	77 ±5%	69 ±5%	60 ±5%	65 ±5%	60'000	

Optical features		4000K/5700K - 5 step MacAdam (3 on request)							
Configuration (LED number - Type - Current)	Total lamp flux [lm]*	lm/w tot.	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	
3M400 14,7W	1753	119	0,06 ±5%	15 ±5%	13 ±5%	39 ±5%	40 ±5%	100'000	
3M550 20,2W	2407	119	0,09 ±5%	20 ±5%	18 ±5%	41 ±5%	40 ±5%	100'000	
3M700 25,7W	2854	111	0,11 ±5%	26 ±5%	23 ±5%	43 ±5%	48 ±5%	90'000	
4M400 19,6W	2334	119	0,08 ±5%	20 ±5%	17 ±5%	41 ±5%	45 ±5%	100'000	
4M550 26,9W	3196	119	0,12 ±5%	27 ±5%	24 ±5%	43 ±5%	48 ±5%	90'000	
4M700 34,2W	3754	110	0,15 ±5%	34 ±5%	31 ±5%	47 ±5%	55 ±5%	80'000	
6M400 29,3W	3628	124	0,13 ±5%	29 ±5%	26 ±5%	45 ±5%	50 ±5%	100'000	
6M550 40,3W	4688	116	0,17 ±5%	40 ±5%	36 ±5%	52 ±5%	57 ±5%	90'000	
6M700 51,3W	5465	107	0,22 ±5%	51 ±5%	46 ±5%	55 ±5%	60 ±5%	80'000	
6M850 62,3W	6410	103	0,27 ±5%	62 ±5%	56 ±5%	50 ±5%	55 ±5%	70'000	
9M400 43,6W	5437	125	0,19 ±5%	44 ±5%	39 ±5%	53 ±5%	58 ±5%	90'000	
9M550 60,5W	7004	116	0,26 ±5%	61 ±5%	54 ±5%	57 ±5%	63 ±5%	70'000	
9M700 77W	8173	106	0,33 ±5%	77 ±5%	69 ±5%	60 ±5%	65 ±5%	60'000	

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

