



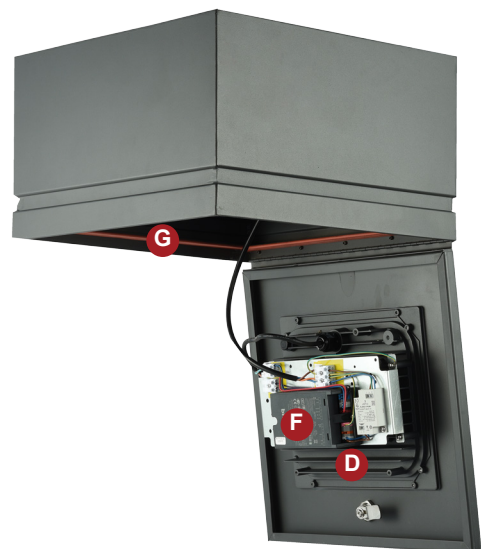
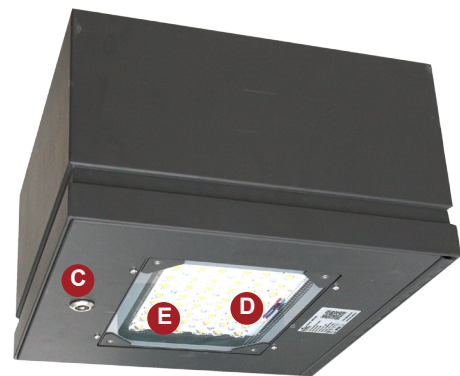
NEPTUNE LED

NEPTUNE LED

CHARACTERISTICS

Small / Large

- A Housing and door is made of very anti corrosion resistant Formed welded aluminium, powder coated. Standard color: sand RAL7022. any other colors on request
- B One piece heavy wall extruded aluminum with internal draw bolt guides. Arm is secured to housing and pole with stainless steel draw bolts.
- C Stainless steel Locker enabled opening or closing luminaires door for maintenance.
- D IP66 modular Optic compartment with intrgral heat sink, contain led module, high light transmittnace Toughened glass to optimize the light output ratio and all electrical components.
- E led module with (NTC) Thermal management **protect for LED module** Temperature is measured via sensor placed on PCB for reducing driver current when LEDS approach a critical temperature. **Function available for led drivers with NTC tecnology on costumer request**
- F removable steel tray contain Led driver, integrated surge protector 10kV/10kA with LED signal and thermal fuse or other on costumer request
- G Silicon gasket and embedded vent caps guarantee ip66 for complete luminaire.
- F Cable connection M20 cable gland with strain relief for cable 10 -14mm.



NEPTUNE LED

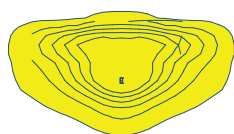
CHARACTERISTICS

	S (Small)	L (Large)
Installation height (m)	3 - 10m	3 - 15m
LED	8 - 48	32 - 96
Lumen package range (*)	1,190 - 13,820	6,579 - 27,100
Luminaire power consumption	10 to 120W	35 to 180W
Body	welded formed aluminium	
Protector	Hight light transmission tempered glass	
LED	LUMILEDS LLC 5050	
Life time	>72,000h L80	
Colour temperature	3000K (Warm White) 4000K (Neutral) (2700K upon request)	
Colour rendering index (CRI)	>70 (Available with highest CRI upon request)	
Lenses	PMMA / Polycarbonate with UV stabilized component	
photometric options	Type II - Type 2A / M1 / R3 / P4 Type III Type IV - Type IV / M6 Type V	
Operating Ambient Temperature - Ta	-30° - 40°	
Optical compartment tightness level	IP66	
Control gear tightness level	IP65	
Impact resistance (glass)	IK08	
Nominal voltage	120 - 277V - 50 - 60Hz	
Electrical class	CLASS I / CLASS II	
Control System / photocell	Nema Socket / Zhaga Socket for control or photocell as option	
Mounting	Extruded Aluminium Profile via two 1/2 Inch diameter bolts/rods.	
dimensions (mm)	572X420X245	702X550X245
Weight (Kg)	8.8Kg	16.3Kg
Colour	RAL7022 sandedAny other RAL or AKZO colour upon request	

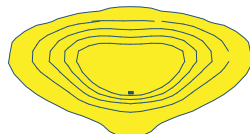
(*) The nominal flux is an indicative flux @ tj 25°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire.

(**) according to IEC - EN 60598 – (***) according to IEC - EN 62262

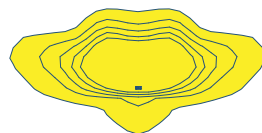
Photometry



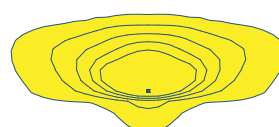
T2A



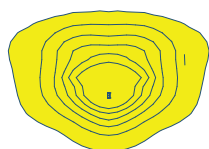
M1



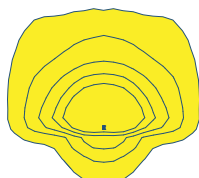
R3



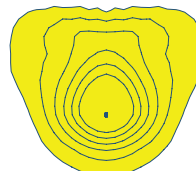
P4



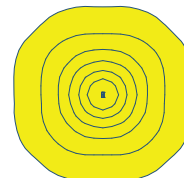
TYPE III



TYPE IV



M6



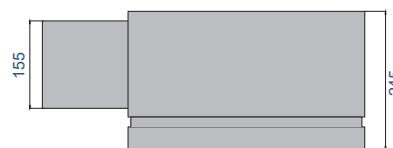
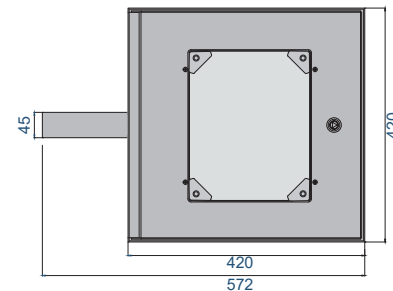
TYPE V

NEPTUNE LED

DATASHEET

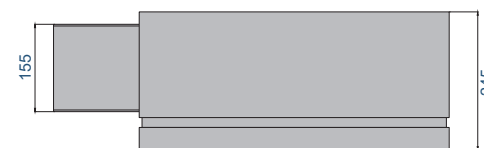
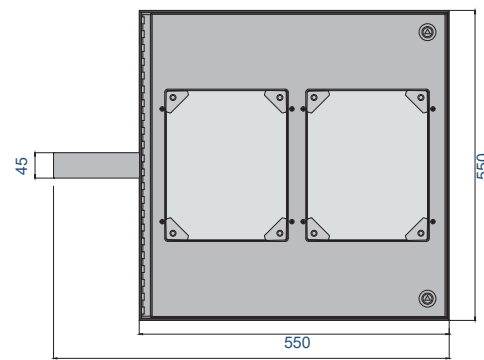
NEPTUNE S (8 - 48)

LED Units	Power Consumpt* (W)	Driver Current (mA)	LED Current (mA)	Nominal Initial Flux(lm)**		KG	ITEM NUM
				3000K	4000K		
8	11W	350mA	43.8mA	1,190	1,250	8.8	NPTS08-011W - C K K
	15W	530mA	66.3mA	1,710	1,800	8.8	NPTS08-015W - C K K
	20W	700mA	87.5mA	2,190	2,300	8.8	NPTS08-020W - C K K
16	19W	350mA	43.8mA	2,375	2,500	8.8	NPTS16-019W - C K K
	28W	530mA	66.3mA	3,480	3,680	8.8	NPTS16-028W - C K K
	37W	700mA	87.5mA	4,375	4,650	8.8	NPTS16-037W - C K K
24	27W	350mA	43.8mA	3,565	3,750	8.8	NPTS20-027W - C K K
	41W	530mA	66.3mA	5,180	5,420	8.8	NPTS24-041W - C K K
	53W	700mA	87.5mA	6,560	6,880	8.8	NPTS24-050W - C K K
32	34W	350mA	43.8mA	4,610	4,840	8.8	NPTS32-034W - C K K
	52W	530mA	66.3mA	6,750	7,080	8.8	NPTS32-052W - C K K
	70W	700mA	87.5mA	8,700	9,100	8.8	NPTS32-070W - C K K
40	43W	350mA	43.8mA	5,900	6,175	8.8	NPTS40-043W - C K K
	65W	530mA	66.3mA	8,760	9,170	8.8	NPTS40-065W - C K K
	89W	700mA	87.5mA	11,300	11,830	8.8	NPTS40-089W - C K K
48	51W	350mA	43.8mA	7,130	7,465	8.8	NPTS48-051W - C K K
	78W	530mA	66.3mA	10,400	10,890	8.8	NPTS48-078W - C K K
	104W	700mA	87.5mA	13,200	13,820	8.8	NPTS48-104W - C K K
	120W	800mA	100.0mA	14,470	15,000	8.8	NPTS48-120W - C K K



NEPTUNE L (56 - 96)

LED Units	Power Consumpt* (W)	Driver Current (mA)	LED Current (mA)	Nominal Initial Flux(lm)**		KG	ITEM NUM
				3000K	4000K		
48	51W	350mA	43.8mA	7,130	7,465	16.3	NPTS48-051W - C K K
	78W	530mA	66.3mA	10,400	10,890	16.3	NPTS48-078W - C K K
	104W	700mA	87.5mA	13,200	13,820	16.3	NPTS48-104W - C K K
56	61W	350mA	43.8mA	8,380	8,775	16.3	NPTL56-061W - C K K
	93W	530mA	66.3mA	12,305	12,885	16.3	NPTL56-093W - C K K
	123W	700mA	87.5mA	15,580	16,310	16.3	NPTL56-123W - C K K
64	68W	350mA	43.8mA	9,450	9,895	16.3	NPTL64-068W - C K K
	103W	530mA	66.3mA	13,850	14,500	16.3	NPTL64-103W - C K K
	137W	700mA	87.5mA	17,250	18,060	16.3	NPTL64-137W - C K K
72	76W	350mA	43.8mA	10,700	11,200	16.3	NPTL72-076W - C K K
	116W	530mA	66.3mA	15,580	16,325	16.3	NPTL72-116W - C K K
	153W	700mA	87.5mA	19,370	20,250	16.3	NPTL72-153W - C K K
80	84W	350mA	43.8mA	11,780	12,350	16.3	NPTL80-084W - C K K
	128W	530mA	66.3mA	17,150	17,970	16.3	NPTL80-128W - C K K
	175W	700mA	87.5mA	21,400	22,650	16.3	NPTL80-175W - C K K
96	100W	350mA	43.8mA	13,900	14,600	16.3	NPTL96-100W - C K K
	153W	530mA	66.3mA	20,280	21,350	16.3	NPTL96-153W - C K K
	180W	600mA	75.0mA	22,970	23,800	16.3	NPTL96-180W - C K K



*Ambient temperature: 25°C power tolerance: +- 5%

**Lumen tolerance: +- 7%

3000K = 3
4000K = 4

