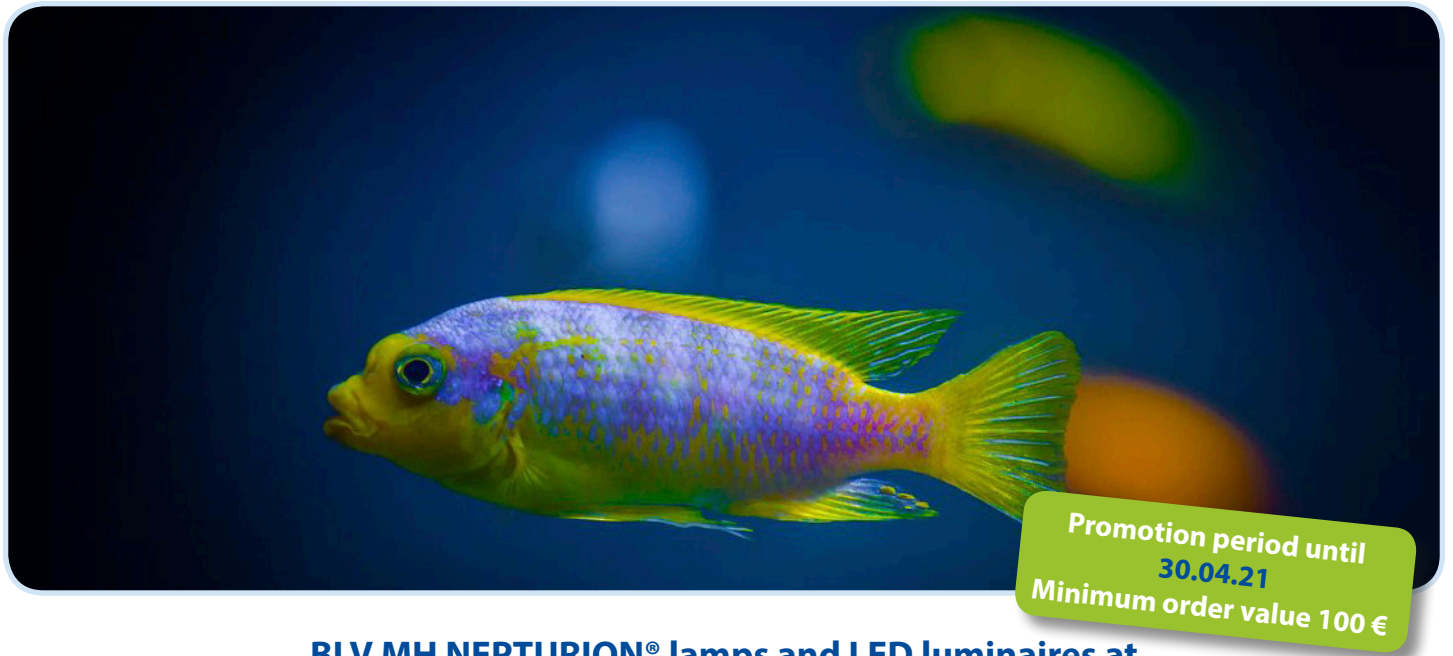


BLV NEPTURION® stock clearance - spring sale 2021



BLV MH NEPTURION® lamps and LED luminaires at preferential prices* from -25% to -75%

* Savings compared to list price depending on article and quantity scale

Dear customers, dear business partners,

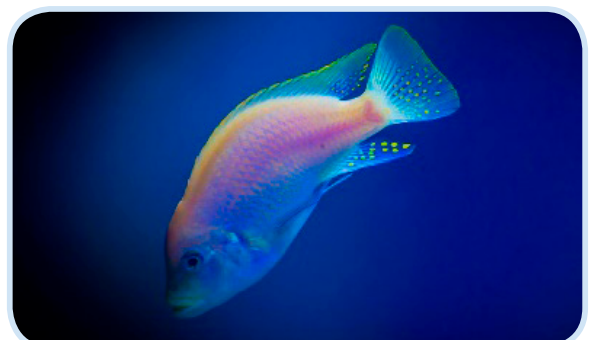
As we already informed you at the end of the year, we are withdrawing from aquarium lighting. Changes bring new impulses, but of course this step is not easy for us, because many generations of fish have virtually grown up under our BLV NEPTURION® lighting solutions.

We would like to offer you the opportunity to stock up on available BLV MH NEPTURION® lamps and LED luminaires at preferential prices. We still have good stock, but will not manufacture any new products for the aquarium sector once we have sold out.

Please find attached a list of available models as well as single and package prices.

**With best regards,
Your BLV team for aquarium lighting**

**For orders, please contact us:
+49 8094 906 - 400
sales@ushio.de**



Please note: BLV Licht- und Vakuumtechnik GmbH has been renamed Ushio Germany GmbH as of 01 February 2021. BLV will remain as a brand name.

NEPTURION® stock clearance - spring sale 2021

Highly proven and reliable metal halide lamps with various CCTs.

Part no.	Model	Designation	Net price/pc		
			order qty < 10 pcs	order qty 10-20 pcs	order qty > 20 pcs
NEPTURION MH - SE lamps (single-ended)					
103524	22520401	HIT 150 10K G12 UVP	15,00 €	10,00 €	8,50 €
103555	22704101	HIT 250 14K E40 UVP	30,00 €	25,00 €	20,00 €
107225	22707101	HIT 250 16K E40 UVP	30,00 €	25,00 €	20,00 €
107223	22705101	HIT 250 20K+ E40 UVP	30,00 €	25,00 €	20,00 €
103562	22712101	HIT 400 10K E40 UVP	40,00 €	35,00 €	30,00 €
103565	22714101	HIT 400 14K E40 UVP	40,00 €	35,00 €	30,00 €
103571	22717101	HIT 400 16K E40 UVP	40,00 €	35,00 €	30,00 €
103568	22715101	HIT 400 20K+ E40 UVP	40,00 €	35,00 €	30,00 €
107229	22732101	HIT 1000 10K E40 UVP	75,00 €	65,00 €	60,00 €
107231	22734101	HIT 1000 14K E40 UVP	75,00 €	65,00 €	60,00 €
107232	22735101	HIT 1000 20K+ E40 UVP	75,00 €	65,00 €	60,00 €
NEPTURION MH - DE lamps (double-ended)					
103425	22050101	HIT-DE 70 10K RX7s	15,00 €	10,00 €	8,50 €
103422	22010401	HIT-DE 70 14K RX7s UVP	15,00 €	10,00 €	8,50 €
103452	22180101	HIT-DE 150 14K RX7s	20,00 €	15,00 €	12,50 €
103435	22100101	HIT-DE 150 16K RX7s	20,00 €	15,00 €	12,50 €
103455	22190101	HIT-DE 150 20K+ RX7s	20,00 €	15,00 €	12,50 €
107210	22240301	HIT-DE 250 10K Fc2/18	30,00 €	25,00 €	20,00 €
107211	22260301	HIT-DE 250 14K Fc2/18	30,00 €	25,00 €	20,00 €
107212	22280301	HIT-DE 250 16K Fc2/18	30,00 €	25,00 €	20,00 €

NEPTURION® MH-SE

- Single-ended metal halide lamp
- Power levels from 150 W to 1000 W
- Various colour temperatures available:
10 000 K, 14 000 K, 16 000 K, 20 000 K+



NEPTURION® MH-DE

- Double-ended metal halide lamp
- Power levels from 70 W to 250 W
- Various colour temperatures available:
10 000 K, 14 000 K, 16 000 K, 20 000 K+
- Excellent service life of up to 10 000 h

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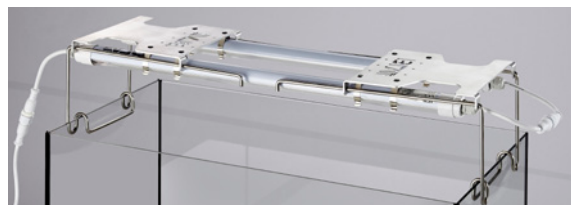
NEPTURION® stock clearance - spring sale 2021

Perfect fluorescent light replacement for breeding and quarantine tanks.

Part no.	Model	Designation	Net price/pc
NEPTURION LED CL - tubular lights			
111273	497666117	NEPTURION CL 230-14 120 10K	30,00 €
111274	497666118	NEPTURION CL 230-29 120 10K	55,00 €
111275	497666119	NEPTURION CL 230-14 130 coral	30,00 €
111276	497666120	NEPTURION CL 230-29 130 coral	55,00 €
113912	497666375	NEPTURION CL 230-37 130 coral	70,00 €
NEPTURION LED CL - accessories			
111350		NEPTURION CL SUP-FRAME	25,00 €
110424		CL SUPCBL 1.5M-PLG	6,00 €
109524		CL CONCBL-F/M 1M	6,00 €
109521		CL FCON CAP	0,50 €
108241		CL CLIP	0,75 €
114653		CL CLIP PC	0,50 €

NEPTURION® LED tubular light

- Ideal for replacement of fluorescent tubes
- Easy and fast installation via click mechanism and connectors
- Lifetime of up to 50 000 hours



Highly efficient LED high bay solution for larger fish tanks.

Part no.	Model	Designation	Net price/pc
NEPTURION LED HB 500 - LED modules w/ reflector			
104316	NE850993050	NEPTURION LED HB 500-25	350,00 €
104317	NE850995050	NEPTURION LED HB 500-45	350,00 €
104318	NE850996050	NEPTURION LED HB 500-60	350,00 €
104319	NE850999050	NEPTURION LED HB 500-90	350,00 €
NEPTURION LED HB 500 - DRV module			
104328	NE950100050	NEPTURION DRV HB 500 AN	200,00 €
NEPTURION LED HB 500 - CCT dongles			
104338	NEA50050	NEPTURION LED HB 500 D7K	10,00 €
104339	NEA50060	NEPTURION LED HB 500 D10K	10,00 €
104341	NEA50080	NEPTURION LED HB 500 D20K	10,00 €
NEPTURION LED HB 500 - Replacement reflectors			
104299	NE0500018050	NEPTURION LED HB 500 R25G	25,00 €
104300	NE0500048050	NEPTURION LED HB 500 R45G	25,00 €
104301	NE0500048060	NEPTURION LED HB 500 R60G	25,00 €
104297	NE0500008050	NEPTURION LED HB 500 R90G	25,00 €

Note: for a completey functioning light unit you need 1x LED module, 1x DRV module and at least 1 CCT dongle.



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For all technical details please refer to the data sheets on the following pages

NEPTURION® LED CL

Tubular LED luminaire for aquarium lighting

Application LED lighting for smaller fish tanks or coral tanks, e.g. breeding tanks or quarantine tanks.

- Description**
- High-performance LEDs with spectra adapted to the needs of professional aquarium lighting
 - Choice of white light (10 000 K) or coral spectrum for coral breeding
 - Three different lengths: 600 mm, 1 080 mm or 1 525 mm
 - Tubular lamp housing made of PC, with clear PC cover, non-corrosive, IP67
 - Integrated passive cooling system for a long and stable LED life
 - Plug & play installation
 - Easy connection in series thanks to feed-through wiring (FTW)
 - Adjustable supporting frame for direct placing on the aquarium walls (optional)
 - Ideal for replacing fluorescent lamp installations

1. Specifications

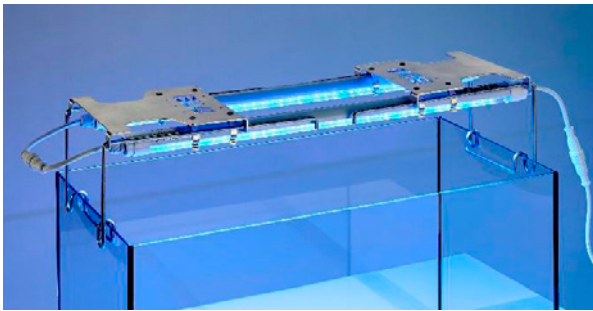


Figure: 2 NEPTURION LED CL lights with optional holding frame, mounted on an aquarium tank

Designation	NEPTURION® LED CL
Part no.	See 2. Versions
Supply voltage	100–240 V AC (nominal 230 V); 50/60 Hz
Input current (typ.)	200 mA @ 230 V AC
Input power	14 W, 29 W or 37 W, depending on version
Power factor	> 0.87
THD	< 20%
Controls	Integrated LED driver, switchable on/off
Electrical connection	Via connectors and supply cable; suitable for feed-through wiring (FTW); For details and accessories see 4. and 5.
Light source	LED
Spectrum	2 choices: <ul style="list-style-type: none"> ○ White light with 10 000 K ○ Coral spectrum (blue-white), especially suited for breeding corals
Beam angle	120° (10 000 K) / 130° (coral)
Light output	10 000 K (luminous flux): up to 3 435 lm @ Ta = 25°C Coral (PPF): up to 84 μmol/s @ Ta = 25°C
Housing	Extruded polycarbonate (PC), white, non-corrosive
LED cover	Extruded polycarbonate (PC), transparent

Protection class	IP67 (provided open connectors are covered by an end cap or a cable connector, see 5.)
Safety class	Class II equipment
Operating ambient temp.	-10 °C to +35 °C
Storage temperature	-20 °C to +85 °C
Rel. humidity	0–95%
Lifetime expectancy	50 000 h, with L70 B10 @ 25 °C ambient temperature
Mounting	Direct placement on top of the aquarium walls with adjustable supporting frame (optional, see 5. Accessories); the supporting frame is equipped with stainless steel mounting clips for tool-free mounting of 2 NEPTURION LED CL luminaires.

2. Versions

Spectrum: white light 10 000 K

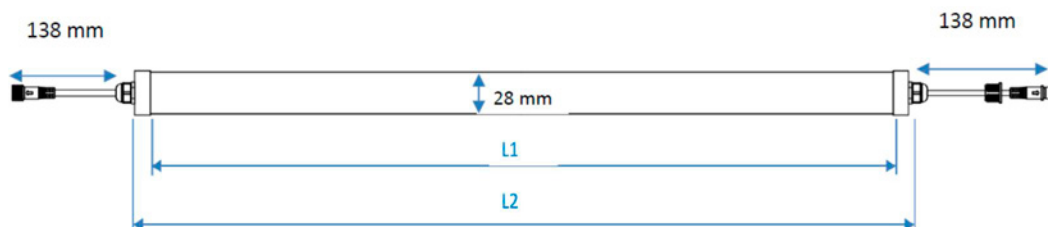
Designation	Art. no.	Beam angle [°]	Length [mm]	Nom. wattage [W]	Lumin. flux [lm]	System efficiency [lm/W]
NEPTURION CL 230-14 120 10K	111273	120	600	14	1 740	124
NEPTURION CL 230-29 120 10K	111274	120	1 080	29	3 480	120

Spectrum: coral

Designation	Art. no.	Beam angle [°]	Length [mm]	Nom. wattage [W]	PPF [μmol/s]	System efficiency [μmol/Ws]
NEPTURION CL 230-14 130 coral	111275	130	600	14	32	2.29
NEPTURION CL 230-29 130 coral	111276	130	1 080	29	64	2.21
NEPTURION CL 230-37 130 coral	113912	130	1 525	37	84	2.24

3. Dimensions

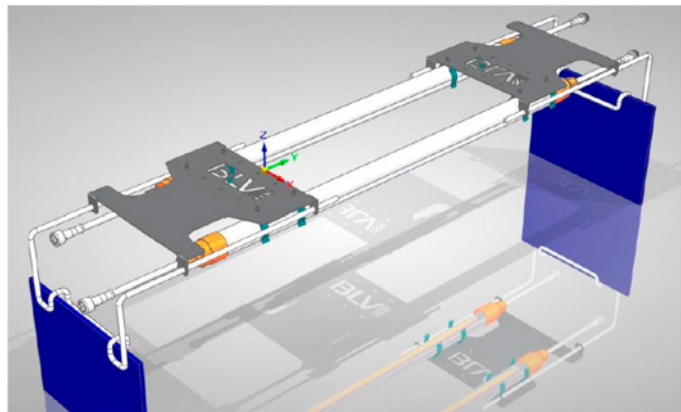
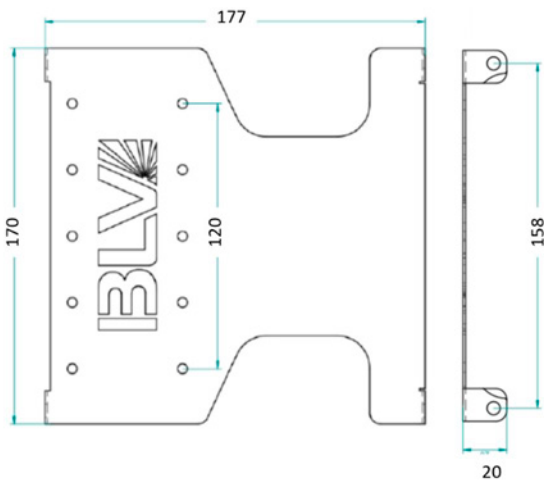
LED luminaires



	L1 [mm]	L2 [mm]	Ø [mm]	Net. weight [kg]
14 W models:	545	600	28	0.22
29 W models:	1 025	1 080	28	0.35
37 W models:	1 470	1 525	28	0.40

Supporting frame (optional accessory)

All dimensions in mm



Height above water level: approx. 150 mm

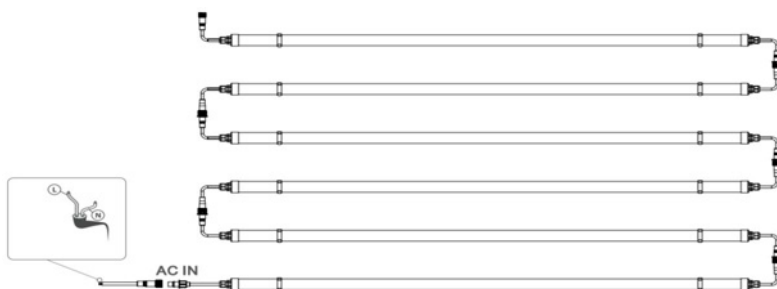
4. Electrical installation

Each NEPTURION CL luminaire is equipped with a connector on each end.

NEPTURION CL luminaires can be connected in series thanks to feed-through wiring (FTW) and by means of FTW cables. Supply cables and FTW cables are available as accessories (to be ordered separately). The connector female of the last luminaire in line needs to be covered by an end cap to secure IP protection (see 5. Accessories).

Maximum number of luminaires that can be connected in series with an MCB:

230V AC / 14 W	40 pcs	(MCB C16/C20/B16/B20/D20)
Limited to	32 pcs	in combination with supply cable with Euro plug (Art. no. 110424)
230V AC / 29 W	22 pcs	(MCB C16/C20/B16/B20/D20)
Limited to	17 pcs	in combination with supply cable with Euro plug (Art. no. 110424)
230V AC / 37 W	15 pcs	(MCB C16/C20/B16/B20/D20)
Limited to	12 pcs	in combination with supply cable with Euro plug (Art. no. 110424)

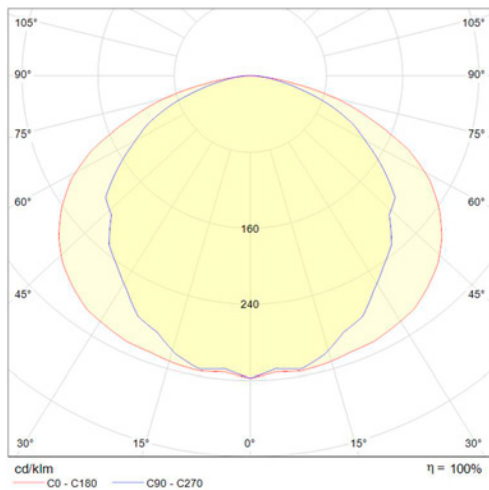


5. Accessories

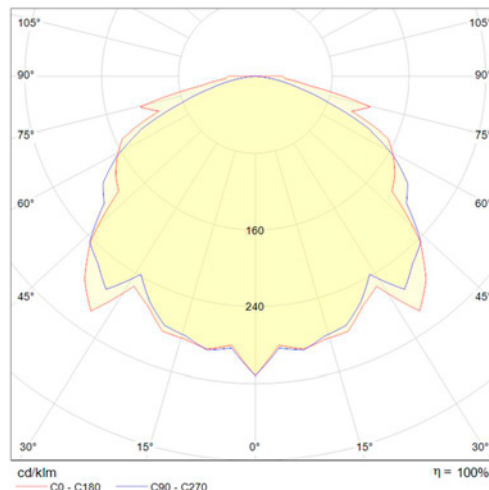
Art. no.	Designation	Description
111350	NEPTURION CL SUP-FRAME	Supporting frame made of stainless steel wires and aluminium, with stainless steel clips for 2 CL luminaires, adjustable for different tank lengths (set of 2 side parts)
108241	CL CLIP	Stainless steel mounting clip (1 pc) for direct shelf mounting or suspended mounting; 2 pcs required per luminaire
110424	CL SUPCBL 1.5M-PLG	Power cable 1.5 m with connector female on one end and Euro plug on the other end
109524	CL CONCBL-F/M 1M	pre-assembled FTW cable 1.0 m with connector male on one end and connector female on the other end
109521	CL FCON CAP	Cover cap for female connector

Contact the manufacturer for further information on the available accessories. Refer to the Operating Manual for further details.

6. Light distribution



10 000 K: beam angle = 120°



Coral: beam angle = 130°

7. Conformity

Compliance with standards and directives (including all applicable amendments):

- Low voltage directive 2014/35/EU
- EMC directive 2014/30/EU
- RoHS 2 directive 2011/65/EU
- EN 60598-1:2015 + A1:2018
- EN 60598-2-1:1989
- EN 55015:2013 + A1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61547:2009
- IEC/TR 62778:2104 / IEC 62471



BLV memberships:



NEPTURION® LED HB 500

LED toplight luminaires for aquarium lighting

Application

LED lighting for professional aquarium lighting.

Description

- LED module and DRV (driver) module separated (no mains voltage above water tank)
- High performance LEDs for light levels up to 31 000 lm @ 6 700 K
- Selectable colour temperatures (CCTs) by means of dongles:
 - 6 700 K, 10 000 K or 20 000 K+
- Heat pipe cooling technology on LED module for stable performance at ambient temperatures up to +45° C
- Safety power switch-off at DRV module
- Choice of different beam angles: 25°, 45°, 60°, 90°
- High IP ratings: IP65 (LED module) / IP54 (DRV module)

1. Specifications

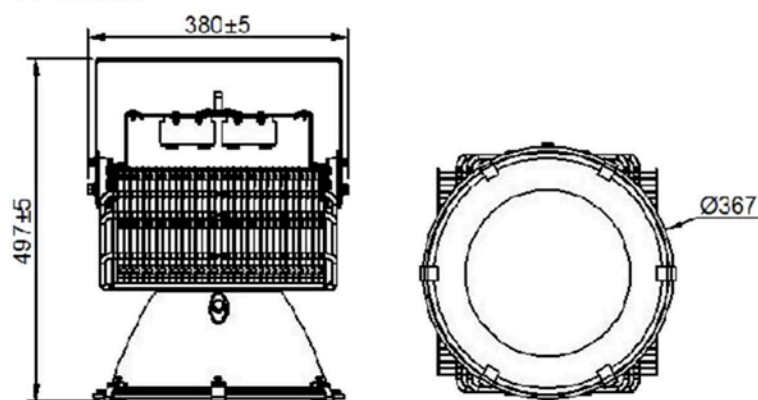


Designation	NEPTURION LED HB 500
Part numbers	See 2., part numbers
Nominal voltage	100 - 240 V AC; 50/60 Hz
Nominal wattage	500 W; PF 0.96
Controls	Separate DRV module with 1-10 V interface
Electrical connection	Via coded connectors (part of the delivery); cables to be assembled on-site
DRV module connectors	Power in (3 pin) / power through (3 pin) / dongle control (5 pin) / LED module out (5 pin) Cable length from DRV module to LED module < 6 m; Max. 2 DRV modules per MCB 16A type C
Lumen output	31 000 lm @ 6 700 K
Efficiency	102 lm/W @ 6 700 K
CCT	6 700 K / 10 000 K / - 20 000 K+ (depending on selected dongle)
Light distribution angle	25° / 45° / 60° / 90° (see 2., part numbers)
Lifetime expectancy	50 000 h (L80B10) @ Ta = 25 °C
Ambient temperature	-10° up to +45 °C
Protection class	IP65 (LED module) / IP54 (DRV module)

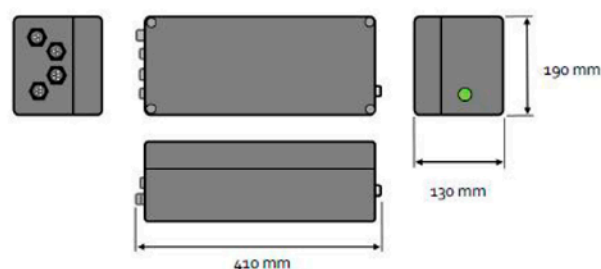
Safety class	Class I equipment
Shock resistance	IK08
Housing material	LED module: aluminium, powder coated black, stainless steel screws DRV module: ABS
Cover	Tempered glass
Mounting	Mounting bracket for ceiling / wall mounting; made of steel, lacquered black
Tilt angle	Max. 40° from vertical

2. Dimensions

LED module



DRV module



Weight: 10.8 kg (net, w/ cable and connector)

Weight: 5,0 kg (net)

3. Part numbers

LED modules

Art. no.	Model	Designation	Beam angle
104316	NE850993050	NEPTURION LED HB 500-25	25°
104317	NE850995050	NEPTURION LED HB 500-45	45°
104318	NE850996050	NEPTURION LED HB 500-60	60°
104319	NE850999050	NEPTURION LED HB 500-90	90°

DRV module

Art. no.	Model	Designation
104328	NE950100050	NEPTURION DRV HB 500 AN

Dongles for CCT selection

Art. no.	Model	Designation	CCT	Power
104338	NEA50050	NEPTURION LED HB 500 D7K	6 700 K	300 W
104339	NEA50060	NEPTURION LED HB 500 D10K	10 000 K	335 W
104341	NEA50080	NEPTURION LED HB 500 D20K	20 000 K+	365 W

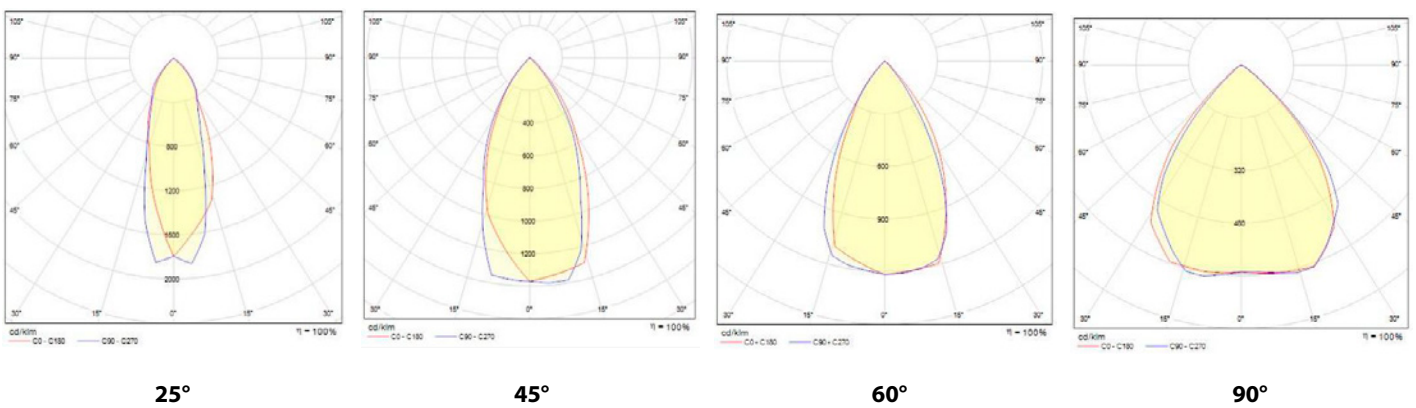
Note: A fully functional system consists of 1 LED module, 1 DRV module and at least 1 dongle.

4. Accessories

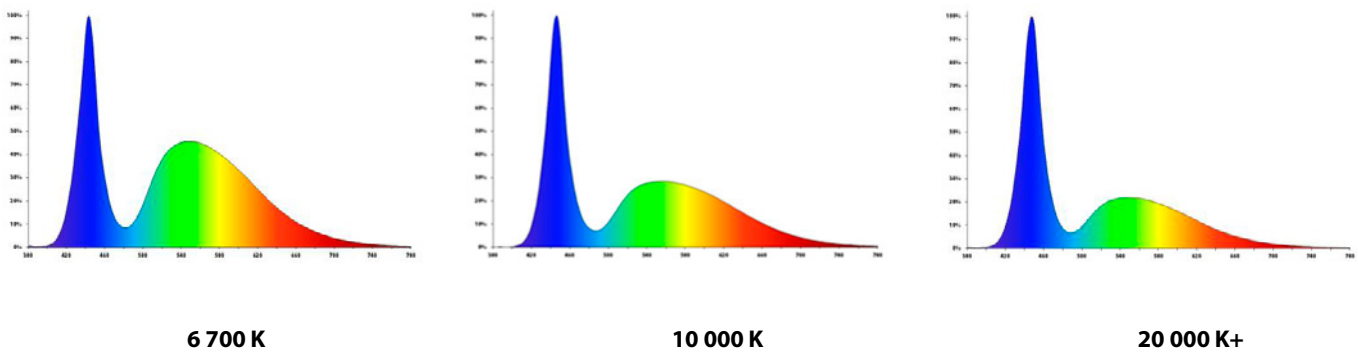
Spare reflectors w/ front glass

Art. no.	Model	Designation	Beam angle
104299	NE0500018050	NEPTURION LED HB 500 R25G	25°
104300	NE0500048050	NEPTURION LED HB 500 R45G	45°
104301	NE0500048060	NEPTURION LED HB 500 R60G	60°
104297	NE0500008050	NEPTURION LED HB 500 R90G	90°

5. Light distribution curves



6. Spectral distributions



7. Conformity (for luminaires)

Compliance with standards and directives (including all applicable amendments):

- Low voltage directive 2014/35/EU
- EMC directive 2014/30/EU
- RoHS 2 directive 2011/65/EU
- EN 60598-1:2008 + A11:2009
- EN 60598-2-1:1989
- EN 61347-2-13:2006
- EN 55015:2006 + A1:2007 + A2:2009
- EN 61000-3-2:2006 + A1:2009 + A2:2009
- EN 61000-3-3:2008
- EN 61547:2009
- EN 62493:2010
- EN 62471:2008 / IEC/TR 62471-2:2009 The LED module is assigned to risk group 1 (RG 1)



BLV is member of



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