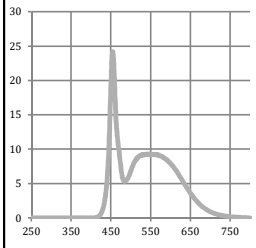
Product information sheet	
Supplier's name or trade mark:	AQUAEL Sp. z o.o.
Supplier's address ([a]):	Dubowo Drugie 35, 16-400 Suwałki, Poland
Model identifier:	LEDDY SMART D&N
Type of light source:	LED aquarium light

Lighting technology used:	LED	Non-directional or directional:	DLS
Mains or non-mains:	MLS	Connected light source (CLS):	no
Colour-tuneable light source:	yes	Envelope:	no
High luminance light source:	no		
Anti-glare shield:	no	Dimmable:	no

Product parameters

Parameter:	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/ 1 000 h):	5	Energy efficiency class	E
Useful luminous flux (Φ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°):	520 in wide cone	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	7000
On-mode power (P_{on}), expressed in W	4,8	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without separate con- trol gear, lighting control parts and non- lighting control parts, if any (millimetre) — Height	100	Spectral power distri- bution in the range 250 nm to 800 nm, at full-load	
Width	84		
Depth	200		
Claim of equivalent power ([c])	-	If yes, equivalent power (W)	-
		Chromaticity coordi- nates (x and y)	0,300 0,320

Parameters for directional light sources:			
Peak luminous intensity (cd)	230	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:			
R9 colour rendering index value	10	Survival factor [0÷1]	0,9
the lumen maintenance factor [0÷1]	0,94		
Parameters for LED and OLED mains light sources:			
displacement factor (cos φ1)	0,60	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. ([d])	-	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,10	Stroboscopic effect metric (SVM)	0,10

a changes to these items shall not be considered relevant for the purposes of point 4 of Article 4 of Regulation (EU) 2017/1369.

b if the product database automatically generates the definitive content of this cell the supplier shall not enter these data.

c '-': not applicable;
'yes': An equivalence claim involving the power of a replaced light source type may be given only:
— for directional light sources, if the light source type is listed in Table 4 and if the luminous flux of the light source in a 90 ° cone ($\Phi_{90°}$) is not lower than the corresponding reference luminous flux in Table 4. The reference luminous flux shall be multiplied by the correction factor in Table 5. For LED light sources, it shall be in addition multiplied by the correction factor in Table 6;
— for non-directional light sources, the claimed equivalent incandescent light source power (rounded to 1 W) shall be that corresponding in Table 7 to the luminous flux of the light source.
The intermediate values of both the luminous flux and the claimed equivalent light source power (rounded to the nearest 1 W) shall be calculated by linear interpolation between the two adjacent values.

d '-': not applicable;
'yes': Claim that a LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. This claim may be made only if:
— the luminous intensity in any direction around the tube axis does not deviate by more than 25 % from the average luminous intensity around the tube; and
— the luminous flux of the LED light source is not lower than the luminous flux of the fluorescent light source of the claimed wattage. The luminous flux of the fluorescent light source shall be obtained by multiplying the claimed wattage with the minimum luminous efficacy value corresponding to the fluorescent light source in Table 8; and
— the wattage of the LED light source is not higher than the wattage of the fluorescent light source it is claimed to replace.
The technical documentation file shall provide the data to support such claims.