

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** Nordlux

**Supplier's address:** Nordlux A/S, Østre Havnegade 34, 9000 Aalborg, DK

**Model identifier:** 79440029

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED Module		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	100 in Sphere (360°)	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	3 000
On-mode power ( $P_{on}$ ), expressed in W	1,0	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 control gear, lighting control	Height	60	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	60	
	Depth	6	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 0,403
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	3	Survival factor	1,00
the lumen maintenance factor	0,94		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,00	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4

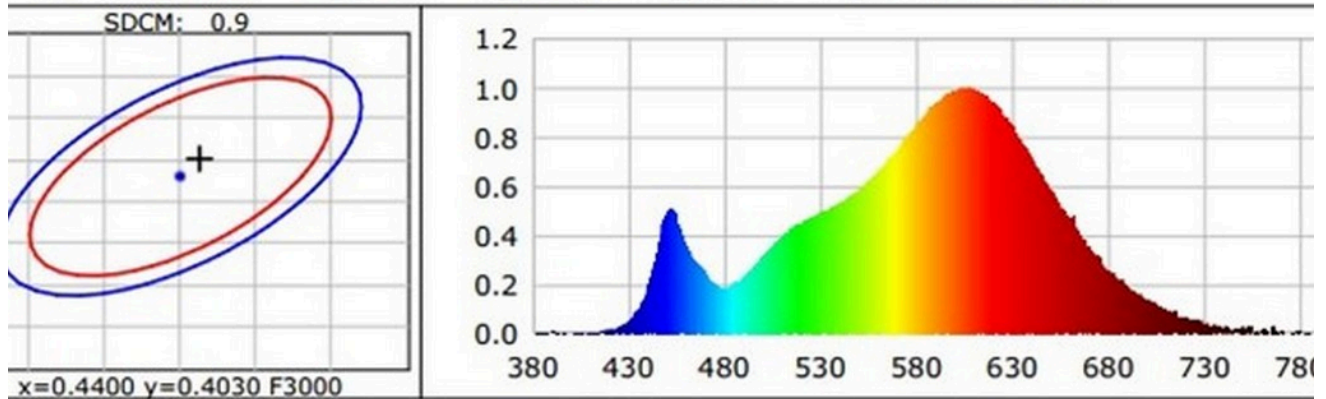
(a)-: not applicable;

(b)-: not applicable;

**Colorimetric Parameters**

romaticity coordinates:  $x=0.4413$   $y=0.4051$   $u(u')=0.2529$   $v=0.3483$   $v'=0.5225$   
 T:  $T_c=2937K$  ( $duv=-0.00014$ ) Color Ratio:  $R=0.235$   $G=0.739$   $B=0.026$   
 Peak Wavelength:  $603.1nm$  Half Bandwidth:  $123.5nm$   
 Dominant Wavelength:  $583.1nm$  Color Purity:  $0.541$   
 I:  $R_a=83.2$  TM30:  $R_f=85$ ,  $R_g=95$   
 I:  $GAI\_BB\_8=93.5$ ,  $GAI\_BB\_15=101.1$ ,  $GAI\_EES=52.0$

R1=82	R2=92	R3=96	R4=82	R5=83	R6=91	R7=81	R8=59
R9=9	R10=82	R11=81	R12=73	R13=84	R14=99	R15=74	
Color Quality Scale: $Q_a=83.1$ , $Q_f=84.9$ , $Q_p=84.2$ , $Q_g=91.1$							
Q1=78	Q2=95	Q3=84	Q4=81	Q5=84	Q6=85	Q7=84	Q8=87
Q9=95	Q10=91	Q11=87	Q12=85	Q13=83	Q14=73	Q15=74	



**Photometric Parameters**

Luminous Flux:  $112.22$  lm Efficiency:  $114.51$  lm/W Radiant Power:  $0.338$  W  
 CRI:  $0.07$  Energy Efficiency Class: A++ (EU 874-2012)  
 Power:  $0.330$  W PPF:  $1.596$   $\mu mol/s$  R/B:  $3.1$   
 L:  $0.175$   $\mu mol/s(400\sim 500nm)$  PF2:  $0.692$   $\mu mol/s(500\sim 600nm)$   
 B:  $0.729$   $\mu mol/s(600\sim 700nm)$  PFfr:  $0.046$   $\mu mol/s(700\sim 800nm)$  PPE:  $1.629$   $\mu mol/s/w$  PF:  $1.642$   $\mu mol/s$

**Electrical Parameters**

Voltage:  $12.000V$  Current:  $0.0818A$  Power:  $0.98W$   
 Power Factor:  $1.0000$  Frequency:  $0.00Hz$

**Test Information**

Wavelength Range:  $380\sim 800:1nm$  Photometric Method: sphere-photometer  
 Stabilization Time:  $0$  Min ALC.:  $1.0000$  Photometric Condition: Sphere diameter:  $1.50m$ ,  $4\pi$   
 Flux of Signal:  $44900$  ( $4663$ ) CCD Integration Time:  $9350.33$  ms