Product Information Sheet

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

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 95SHELLY18LED/WH

Type of light source:

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

Product parameters

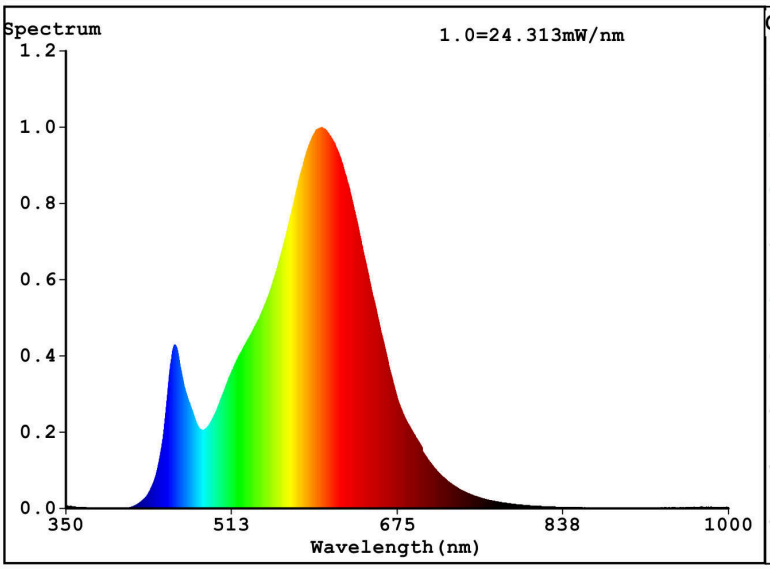
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 300 in Wide cone (120°)	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 or 4 000 or 5 500
On-mode power (P_{on}), expressed in W	27,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,80
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,50	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	79
Outer dimensions without separate control gear, lighting control — Height	700	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	60		
Outer dimensions without separate control gear, lighting control — Depth	60		

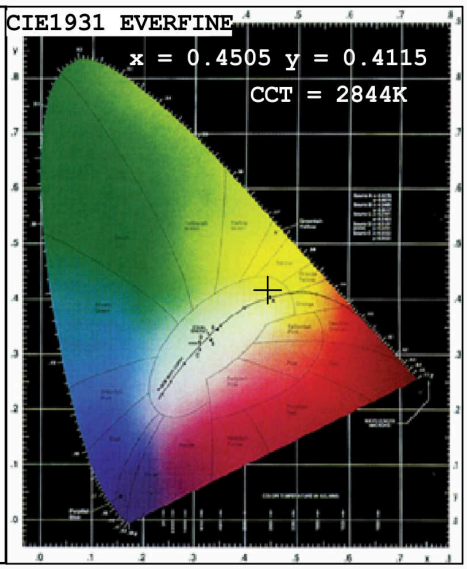
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,450 0,411
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		13	Survival factor	0,40
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	1
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)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4505 y=0.4115/u'=0.2561 v'=0.5263

CCT=2844K(Duv=0.0012) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=58.7%

Ratio:R=23.5% G=74.0% B=2.5%¡¡Peak WL:Lp=601.1nm FWHM=116.6nm

Render Index:Ra=79.8

R1 =78	R2 =91	R3 =94	R4 =75	R5 =78	R6 =89	R7 =80	
R8 =53	R9 =0	R10=79	R11=73	R12=69	R13=81	R14=97	R15=70

Photo Parameters:

Flux = 1147 lm Eff. : 42.29 lm/W Fe = 3.465 W

Electrical parameters:

V = 219.97 V I = 0.2348 A P = 27.12 W PF = 0.5251

WHITE:ANSI_2700K

Status: Integral T = 32 ms Ip = 38549 (59%)

Model:CEILING LAMP	Number:95SHELLY18LED1
Tester:Atanas DAKOV	Date:2020-10-29 09:54:08
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7051