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: 9BR20LED

Type of light source:

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

Product parameters

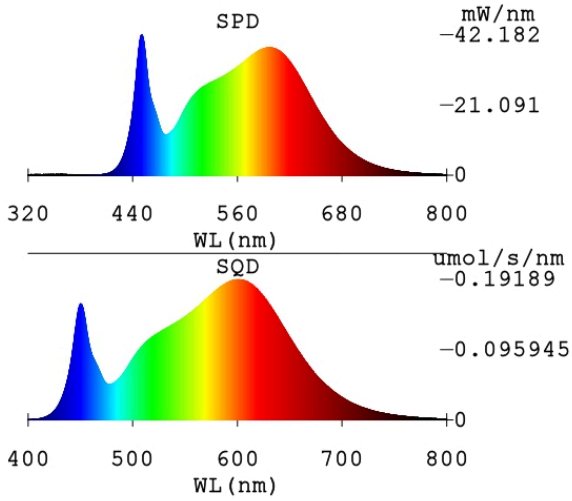
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		20	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		2 210 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	4 000
On-mode power (P_{on}), expressed in W		18,2	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	85
Outer dimensions without separate control gear, lighting control	Height	600	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	80		
	Depth	70		

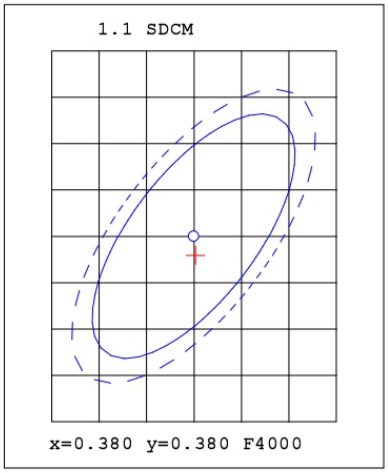
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,380 0,377
Parameters for LED and OLED light sources:				
R9 colour rendering index value		17	Survival factor	0,50
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	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)		0,0	Stroboscopic effect metric (SVM)	0,0

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

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

Spectrum Test Report





Plant Parameters:

Radiometry System:
Φv(lm): 2231

Color Parameters:

Chromaticity Coordinate: x = 0.3802 y = 0.3779 u' = 0.2245 v' = 0.5021
CCT = 4014K(Duv = 0.0006) Dominant WL:Ld = 578.7nm
Purity = 27.5% Ratio: R:G:B=18.6:77.7:3.8
Ra = 85.3
R1 = 83.9 R2 = 90.8 R3 = 95.8 R4 = 84.8 R5 = 84.1
R6 = 87.3 R7 = 87.4 R8 = 68.0 R9 = 17.6 R10 = 78.1
R11 = 84.5 R12 = 66.7 R13 = 85.7 R14 = 97.9 R15 = 77.9
Electric:U = 232.23 V I = 0.1429 A P = 18.29 W PF = 0.5509 Eff = 122.1 lm/W
λp = 450.1nm FWHM = 22.6nm
LEVEL: OUT WHITE: ANSI_4000K
Status: Integral T = 170 ms Ip = 51739 (79%)

Model:三防灯Q型 Number:1
Tester:DAMIN Date:2023-05-18 11:22:02
Temperature:25.3Deg Humidity:65.0%
Manufacturer:EVERFINE Remarks:---