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: 92DL82F9040/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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

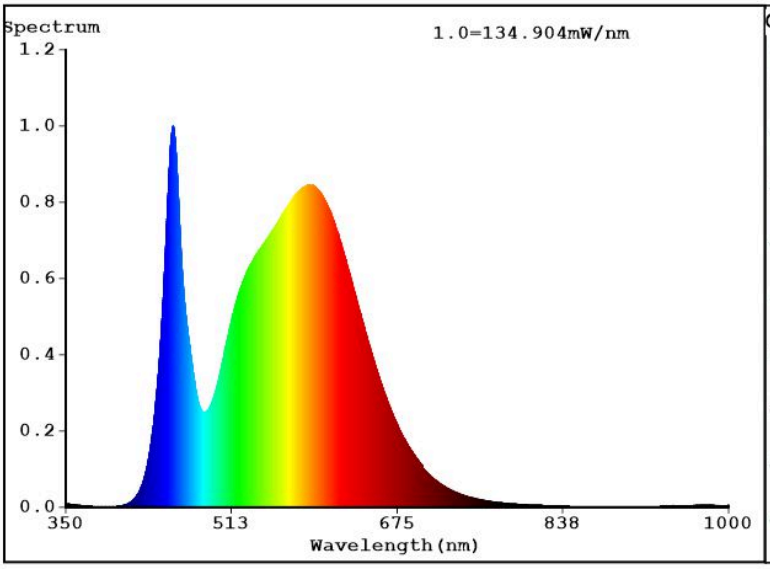
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	90	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	6 300 in Narrow cone (90°)	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	90,0	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	475	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	176		
Outer dimensions without separate control gear, lighting control — Depth	138		

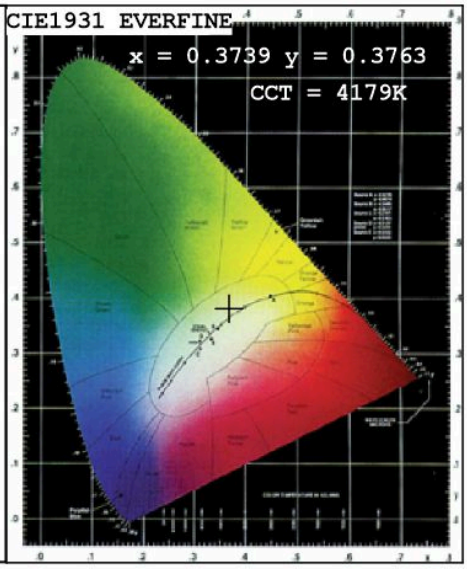
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,373 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)		455	Beam angle in degrees, or the range of beam angles that can be set	24
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,98
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	0
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=0.3739 y=0.3763/u'=0.2210 v'=0.5004

CCT=4179K(Duv=0.0018) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=25.1%

Ratio:R=17.3% G=79.0% B=3.7%¡¡Peak WL:Lp=455.7nm FWHM=23.7nm

Render Index:Ra=80.4

R1 =78	R2 =88	R3 =94	R4 =77	R5 =77	R6 =82	R7 =85	
R8 =62	R9 =0	R10=69	R11=74	R12=53	R13=81	R14=97	R15=72

Photo Parameters:

Flux = 6657 lm Eff. : 73.09 lm/W Fe = 20.08 W

Electrical parameters:

V = 229.69 V I = 0.4040 A P = 91.08 W PF = 0.9816

WHITE:ANSI_4000K

Status: Integral T = 9 ms Ip = 54075 (83%)

Model:LED DOWNLIGHT FIXTURES	Number:92DL82F9040 WH
Tester:Atanas DAKOV	Date:2023-01-12 14:02:06
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8840