Product Information Sheet

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

Supplier's name or trade mark: TWINSTAR

Supplier's address: TWINSTAR, 492-11, Cheonggang-ri, Gijang-eup, Gijang-gun, Busan, Republic of Korea

Model identifier: TWINSTAR LIGHT III 450SA

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS			
Light source cap-type	-					
(or other electric interface)						
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:	Yes			
Product parameters						

Parameter		Value	Parameter	Value		
General product parameters:						
Energy consum mode (kWh/100 up to the neares	00 h), rounded	29	Energy efficiency class	G		
Useful luminou indicating if it re in a sphere (36 cone (120º) or in (90º)	efers to the flux 50°), in a wide	1 812 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	9 024		
On-mode p expressed in W	ower (P _{on}),	28,8	Standby power (P _{sb}), expressed in W and rounded to the second decimal	0,00		
Networked stand for CLS, expres rounded to the s	sed in W and	-	Colour rendering index, rounded to the nearest integer, or the range of CRI- values that can be set	90		
Outer	Height	17	Spectral power	See image		
dimensions	Width	450	distribution in the	in last page		

without separate control gear, lighting control parts and non- lighting control parts, if any (millimetre)	Depth	95	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,291 0,285
Parameters for o	directional light s	sources:		
Peak luminous ir	ntensity (cd)	1 812	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for I	LED and OLED lig	ht sources:		
R9 colour rendering index value		91	Survival factor	1,00
the lumen maintenance factor		0,90		
Parameters for I	LED and OLED ma	ains light sources:		
displacement fac	ctor (cos φ1)	0,95	Colour consistency in McAdam ellipses	1
Claims that a source replaces light source with ballast of a parti	hout integrated	_(b)	If yes then replacement claim (W)	-
Flicker metric (P	st LM)	1,0	Stroboscopic effect metric (SVM)	0,4

(a)_{'-'} : not applicable;

(b)'_-' : not applicable;

