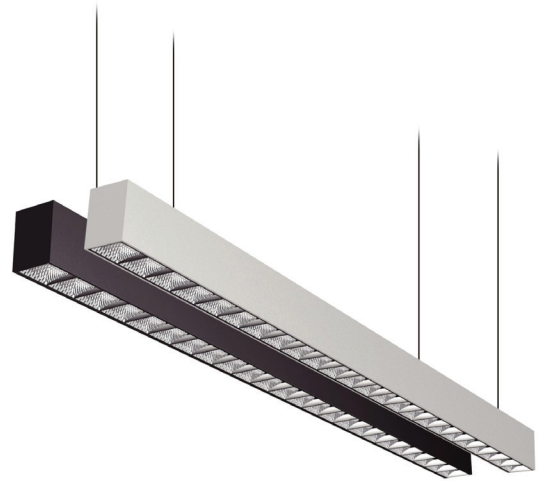


# Torofi



DATASHEET

LED IP20 CLASS I CE UK CA

## Product information

Tungsr Torofi range is ideal for commercial or office lighting due to its high visual comfort and flexible mounting options. It's modern design is highly esthetical and can upgrade the appearance of the space it has been installed.

## Features and benefits

- Power: 15W, 29W, 30W, 45W and 90W versions
- Luminous flux: from 1700 to 10900 lm
- High efficiency: up to 128 lm/W
- Length – 1167mm and 2330mm
- Driver options – Static, DALI
- 3 installation mode – Surface mount, Pendant, Track
- CRI – 80+
- CCT – 3000K, 4000K
- 100% direct or 70% direct with 30% indirect light output
- Optics: Standard Specular Reflector with Lenses (85°x85°, 30°x70°) / Prismatic diffuser
- Black or white housing
- IP20, IK08
- Seamless continuous connection
- Low UGR
- Visual comfort
- High quality Samsung chips
- Long life: 65.000 hours L70B50 and 50.000 hours L80B10

## Application areas



Retail / Hotel  
Restaurant



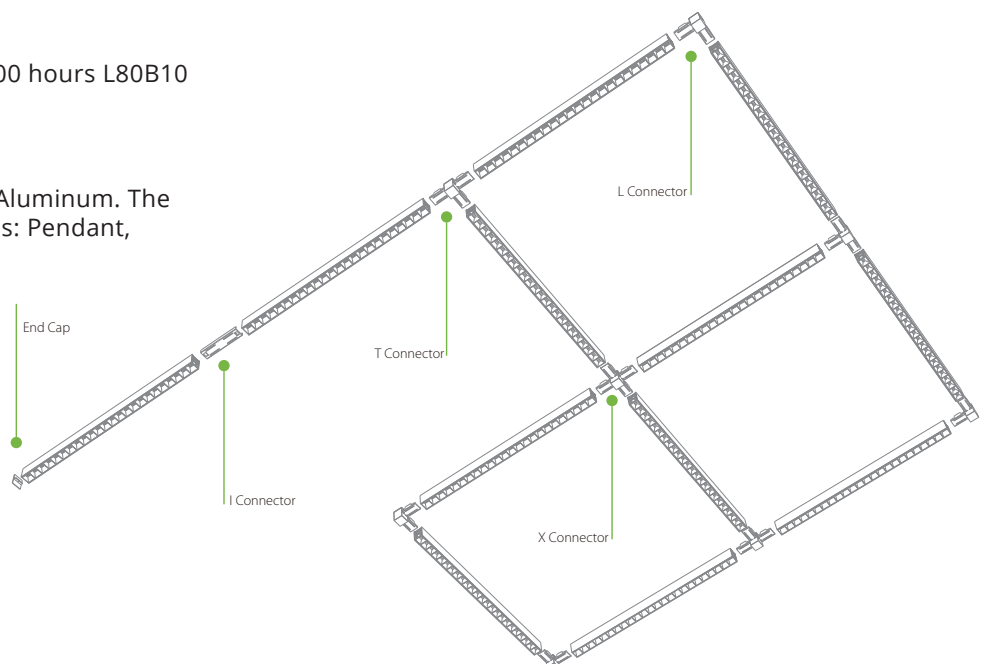
Commercial lighting /  
Office / Showrooms

## Fixture structure

The luminaire frame is made of extrusion Aluminum. The fixture can be installed in 3 different modes: Pendant, Surface mount and Track

### SEAMLESS CONTINUOUS DESIGN

Various connectors are perfectly fitted together which allows for a free assembly into light-line systems of different lengths, and different patterns seamless.



# Specification summary

Parameters below are the same for all luminaires in the range:

Light Technology used	LED
Light source	Non-removable
Mains / Non-mains	Non-mains light source
Directional / Non-directional	Downlight/Uplight ratio: 10 - Directional 73 - Non-directional
Colour-tuneable	No
Anti-glare shield	No
Correlated color temperature (CCT)	3000K, 4000K
Colour rendering index (CRI) (Ra) min	80
R9 colour rendering index value	0
SDCM (Standard Deviation or Color Maintenance)	≤5
Beam angle	030 - 30° x 70° 085 - 85° x 85° PRISM - 85°
Flicker metric	0,03
Stroboscopic effect metric	0,3

Input Voltage & Frequency	220-240V(AC), 50/60Hz
Power factor	≥0,9
Displacement factor	0,95
Lifetime (L70B50)	65000
Survival factor at 3000h	1
Lumen maintenance at 3000h	0,96
Ingress protection (IP)	IP20
Protection Class	Class I
Color of Housing (RAL)	White - RAL9016 Black - RAL9017

Parameters below are specific for each of the product codes:

Product code	Description	ELECTRICAL DATA				Dimm.	PHOTOMETRICAL DATA			UGR	DIMENSIONS & WEIGHTS	
		Luminaire power (W)	Light source On-mode power (W)	Lightsource output voltage (V (DC))	Light source input current (mA)		Luminaire lumen (lm)	Light source Useful lumen (90°) (lm)	Luminaire Efficiency (lm/W)		Dimensions (DxH) (mm)	Product weight (kg)
<b>STATIC RANGE</b>												
93115357	Torofi P 29W 1200 830 S 085 Wh 10	29	26,3	36	130	No (Static)	2700	2300	93	13	1167x47x65	1,9
93115825	Torofi P 29W 1200 830 S 085 B 10	29	26,3	36	130	No (Static)	2700	2300	93	13	1167x47x65	1,9
93118948	Torofi P 29W 1200 830 S 085 Wh 73	29	26,3	36	130	No (Static)	3050	3050	105	9	1167x47x65	1,9
93115826	Torofi P 29W 1200 830 S 085 B 73	29	26,3	36	130	No (Static)	3050	3050	105	9	1167x47x65	1,9
93115827	Torofi P 29W 1200 830 S 030 B 10	29	26,3	36	130	No (Static)	2600	2350	90	12	1167x47x65	1,9
93117107	Torofi P 29W 1200 840 S 085 Wh 10	29	26,3	36	130	No (Static)	2900	2450	100	13	1167x47x65	1,9
93115828	Torofi P 29W 1200 840 S 085 B 10	29	26,3	36	130	No (Static)	2900	2450	100	13	1167x47x65	1,9
93118950	Torofi P 29W 1200 840 S 085 Wh 73	29	26,3	36	130	No (Static)	3250	3250	112	9	1167x47x65	1,9
93115829	Torofi P 29W 1200 840 S 085 B 73	29	26,3	36	130	No (Static)	3250	3250	112	9	1167x47x65	1,9
93115830	Torofi P 29W 1200 840 S 030 B 10	29	26,3	36	130	No (Static)	2700	2450	93	12	1167x47x65	1,9
93118951	Torofi P 45W 1200 830 S 085 Wh 10	45	41,9	36	217	No (Static)	4650	3950	103	15	1167x47x65	1,9
93115831	Torofi P 45W 1200 830 S 085 B 10	45	41,9	36	217	No (Static)	4650	3950	103	15	1167x47x65	1,9
93115358	Torofi P 45W 2400 830 S 085 Wh 10	45	41,9	36	217	No (Static)	4650	3950	103	12	2330x47x65	3,2
93118952	Torofi P 45W 1200 830 S 085 Wh 73	45	41,9	36	217	No (Static)	5350	5350	119	11	1167x47x65	1,9
93115832	Torofi P 45W 1200 830 S 085 B 73	45	41,9	36	217	No (Static)	5350	5350	119	11	1167x47x65	1,9
93115833	Torofi P 45W 1200 830 S 030 B 10	45	41,9	36	217	No (Static)	4450	4050	99	14	1167x47x65	1,9
93118953	Torofi P 45W 1200 840 S 085 Wh 10	45	41,9	36	217	No (Static)	5000	4300	111	15	1167x47x65	1,9
93115834	Torofi P 45W 1200 840 S 085 B 10	45	41,9	36	217	No (Static)	5000	4300	111	15	1167x47x65	1,9
93117108	Torofi P 45W 2400 840 S 085 Wh 10	45	41,9	36	217	No (Static)	5000	4300	111	13	2330x47x65	3,2
93119055	Torofi P 45W 2400 840 S 085 Wh 10 DS	45	41,9	36	217	No (Static)	5000	4300	111	13	2330x47x65	3,2
93118954	Torofi P 45W 1200 840 S 085 Wh 73	45	41,9	36	217	No (Static)	5750	5750	128	11	1167x47x65	1,9
93115835	Torofi P 45W 1200 840 S 085 B 73	45	41,9	36	217	No (Static)	5750	5750	128	11	1167x47x65	1,9
93115836	Torofi P 45W 1200 840 S 030 B 10	45	41,9	36	217	No (Static)	4600	4200	102	15	1167x47x65	1,9
93121116	Torofi P PRISM 15W 1200 830 S Wh 10	15	11,7	3-42	72	No (Static)	1700	1180	113	n/a	1167x47x65	1,9
93117783	Torofi P PRISM 15W 1200 840 S Wh 10	15	11,7	3-42	72	No (Static)	1820	1270	121	n/a	1167x47x65	1,9
93117784	Torofi P PRISM 30W 2400 840 S Wh 10	30	25,1	3-42	145	No (Static)	3150	2190	105	n/a	2330x47x65	3,2

Product code	Description	ELECTRICAL DATA					PHOTOMETRICAL DATA			DIMENSIONS & WEIGHTS		
		Luminaire power (W)	Light source On-mode power (W)	Lightsource output voltage (V (DC))	Light source input current (mA)	Dimm.	Luminaire lumen (lm)	Light source Useful lumen (90°) (lm)	Luminaire Efficiency (lm/W)	UGR	Dimensions (DxH) (mm)	Product weight (kg)
<b>DALI RANGE</b>												
93118205	Torofi P 29W 1200 830 D 085 Wh 10	29	26,3	36	130	Yes (DALI)	2700	2300	93	13	1167x47x65	1,9
93118206	Torofi P 29W 1200 830 D 085 B 10	29	26,3	36	130	Yes (DALI)	2700	2300	93	13	1167x47x65	1,9
93118207	Torofi P 29W 1200 830 D 085 Wh 73	29	26,3	36	130	Yes (DALI)	3050	3050	105	9	1167x47x65	1,9
93118208	Torofi P 29W 1200 830 D 085 B 73	29	26,3	36	130	Yes (DALI)	3050	3050	105	9	1167x47x65	1,9
93118209	Torofi P 29W 1200 840 D 085 Wh 10	29	26,3	36	130	Yes (DALI)	2900	2450	100	13	1167x47x65	1,9
93118210	Torofi P 29W 1200 840 D 085 B 10	29	26,3	36	130	Yes (DALI)	2900	2450	100	13	1167x47x65	1,9
93118211	Torofi P 29W 1200 840 D 085 Wh 73	29	26,3	36	130	Yes (DALI)	3250	3250	112	9	1167x47x65	1,9
93118212	Torofi P 29W 1200 840 D 085 B 73	29	26,3	36	130	Yes (DALI)	3250	3250	112	9	1167x47x65	1,9
93118213	Torofi P 45W 1200 830 D 085 Wh 10	45	41,9	36	217	Yes (DALI)	4650	3950	103	15	1167x47x65	1,9
93118214	Torofi P 45W 1200 830 D 085 B 10	45	41,9	36	217	Yes (DALI)	4650	3950	103	15	1167x47x65	1,9
93118215	Torofi P 45W 1200 830 D 085 Wh 73	45	41,9	36	217	Yes (DALI)	5350	5350	119	11	1167x47x65	1,9
93118216	Torofi P 45W 1200 830 D 085 B 73	45	41,9	36	217	Yes (DALI)	5350	5350	119	11	1167x47x65	1,9
93118217	Torofi P 45W 1200 840 D 085 Wh 10	45	41,9	36	217	Yes (DALI)	5000	4300	111	15	1167x47x65	1,9
93118218	Torofi P 45W 1200 840 D 085 B 10	45	41,9	36	217	Yes (DALI)	5000	4300	111	15	1167x47x65	1,9
93118221	Torofi P 45W 2400 840 D 085 Wh 10	45	41,9	36	217	Yes (DALI)	5000	4300	111	13	2330x47x65	3,2
93118222	Torofi P 45W 2400 840 D 085 B 10	45	41,9	36	217	Yes (DALI)	5000	4300	111	13	2330x47x65	3,2
93118219	Torofi P 45W 1200 840 D 085 Wh 73	45	41,9	36	217	Yes (DALI)	5750	5750	128	11	1167x47x65	1,9
93118220	Torofi P 45W 1200 840 D 085 B 73	45	41,9	36	217	Yes (DALI)	5750	5750	128	11	1167x47x65	1,9
93118223	Torofi P 45W 2400 840 D 085 Wh 73	45	41,9	36	217	Yes (DALI)	5750	5750	128	12	2330x47x65	3,2
93118224	Torofi P 45W 2400 840 D 085 B 73	45	41,9	36	217	Yes (DALI)	5750	5750	128	12	2330x47x65	3,2
93118225	Torofi P 90W 2400 830 D 085 Wh 10	90	83,8	36	435	Yes (DALI)	8800	7550	98	15	2330x47x65	3,2
93118226	Torofi P 90W 2400 830 D 085 B 10	90	83,8	36	435	Yes (DALI)	8800	7550	98	15	2330x47x65	3,2
93118227	Torofi P 90W 2400 830 D 085 Wh 73	90	83,8	36	435	Yes (DALI)	10100	10100	112	14	2330x47x65	3,2
93118228	Torofi P 90W 2400 830 D 085 B 73	90	83,8	36	435	Yes (DALI)	10100	10100	112	14	2330x47x65	3,2
93118229	Torofi P 90W 2400 840 D 085 Wh 10	90	83,8	36	435	Yes (DALI)	9500	8150	106	15	2330x47x65	3,2
93118230	Torofi P 90W 2400 840 D 085 B 10	90	83,8	36	435	Yes (DALI)	9500	8150	106	15	2330x47x65	3,2
93118231	Torofi P 90W 2400 840 D 085 Wh 73	90	83,8	36	435	Yes (DALI)	10900	10900	121	15	2330x47x65	3,2
93118232	Torofi P 90W 2400 840 D 085 B 73	90	83,8	36	435	Yes (DALI)	10900	10900	121	15	2330x47x65	3,2
93121117	Torofi P PRISM 29W 1200 830 D Wh 10	29	24,8	3-42	125	Yes (DALI)	2900	2050	100	n/a	1167x47x65	1,9
<b>ACCESSORIES</b>												
93115359	Torofi I connector	-	-	-	-	-	-	-	-	-	-	-
93119050	Torofi I connector DS	-	-	-	-	-	-	-	-	-	-	-
93115360	Torofi L connector White	-	-	-	-	-	-	-	-	-	-	-
93115837	Torofi L Connector Black	-	-	-	-	-	-	-	-	-	-	-
93115361	Torofi T connector White	-	-	-	-	-	-	-	-	-	-	-
93115838	Torofi T Connector Black	-	-	-	-	-	-	-	-	-	-	-
93115362	Torofi X connector White	-	-	-	-	-	-	-	-	-	-	-
93115839	Torofi X Connector Black	-	-	-	-	-	-	-	-	-	-	-
93115367	Torofi Surface mount kit 3PCS	-	-	-	-	-	-	-	-	-	-	-
93115363	Torofi Pendant Canopy kit White	-	-	-	-	-	-	-	-	-	-	-
93115840	Torofi Pendant Canopy Kit Black	-	-	-	-	-	-	-	-	-	-	-
93115364	Torofi Pendant kit	-	-	-	-	-	-	-	-	-	-	-
93115843	Torofi Track adapter with Cable White	-	-	-	-	-	-	-	-	-	-	-
93115844	Torofi Track adapter with Cable Black	-	-	-	-	-	-	-	-	-	-	-
93120501	Torofi Track adapter without Cable White	-	-	-	-	-	-	-	-	-	-	-
93120502	Torofi Track adapter without Cable Black	-	-	-	-	-	-	-	-	-	-	-
93115845	Torofi Endcap White	-	-	-	-	-	-	-	-	-	-	-
93115846	Torofi Endcap Black	-	-	-	-	-	-	-	-	-	-	-
93115365	Torofi Continuous kit Static 1200mm	-	-	-	-	-	-	-	-	-	-	-
93115366	Torofi Continuous kit Static 2400mm	-	-	-	-	-	-	-	-	-	-	-
93115841	Torofi Continuous Kit DALI 1200mm	-	-	-	-	-	-	-	-	-	-	-
93115842	Torofi Continuous Kit DALI 2400mm	-	-	-	-	-	-	-	-	-	-	-
93117006	TU Pendant Canopy Kit 2 pcs (w/o cable)	-	-	-	-	-	-	-	-	-	-	-
93117007	TU Pendant Cable 2 pcs	-	-	-	-	-	-	-	-	-	-	-
93117008	TU Pendant Fix holder 2 pcs	-	-	-	-	-	-	-	-	-	-	-

\*depending on whether the light source is directional or non-directional

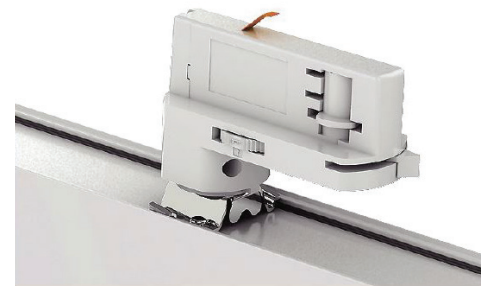
## Mounting type



Pendant

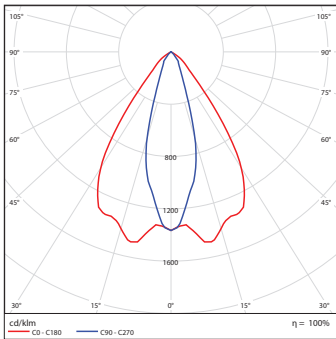


Surface

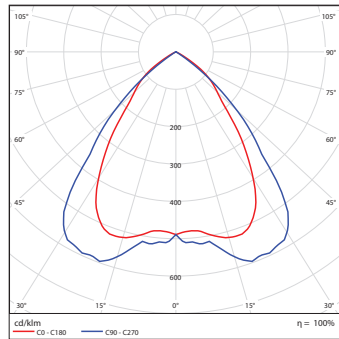


Track Mounted

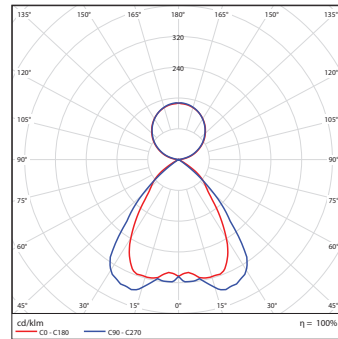
## Photometric data



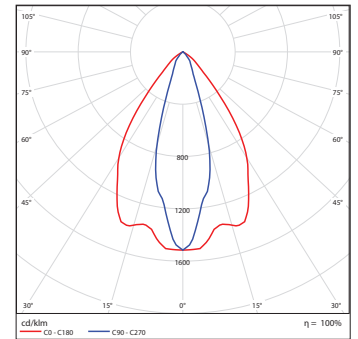
29W 030 B 10



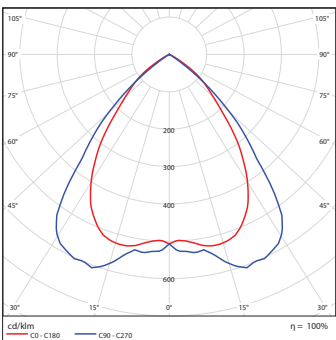
29W 085 B 10



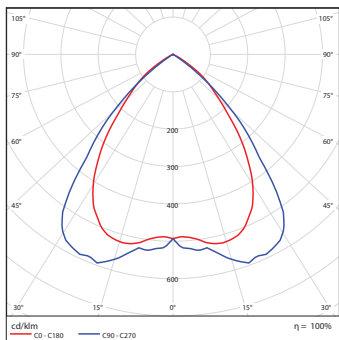
29W 085 B 73



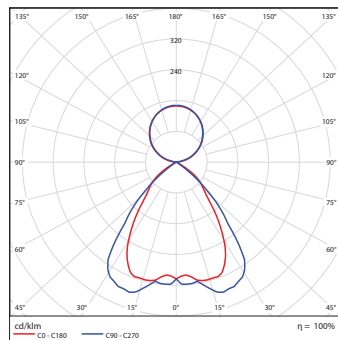
45W 030 B 10



45W 085 B 10  
2400mm



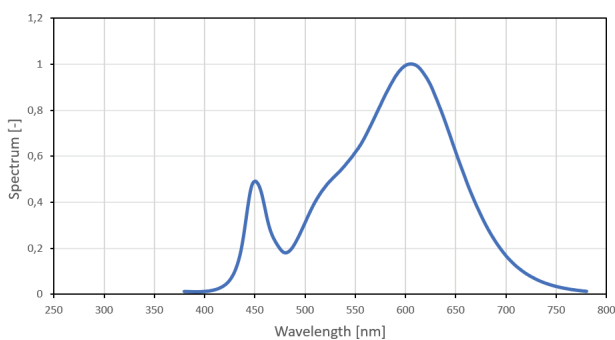
45W 085 B 10



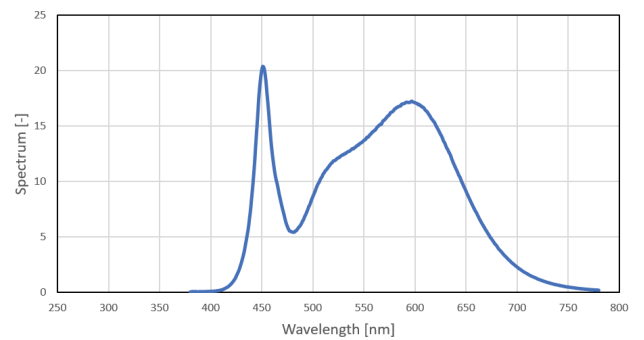
45W 030 B 73

Only for indicative purpose. For lighting design, please use the Idt photometry files available for the products.

## Spectral power distribution



3000K



4000K

## Energy efficiency class (A-G)\*



93118950	93118221	93115357	93118951
93115829	93118222	93115825	93115831
93118211	93118954	93118205	93118213
93118212	93115835	93118206	93118214
93118952	93118219	93118948	93115358
93115832	93118220	93115826	93115833
93118215	93118223	93118207	93115836
93118216	93118224	93118208	93118225
93118953	93118227	93115827	93118226
93115834	93118228	93117107	93118229
93118217	93118231	93115828	93118230
93118218	93118232	93118209	93117784
93117108	93117783	93118210	93121117
93119055		93115830	93121116

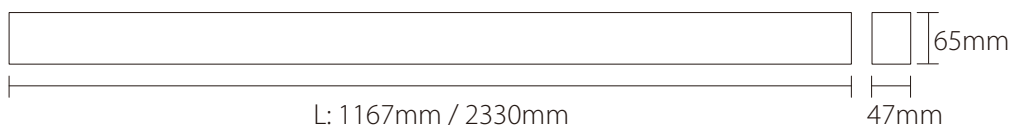
## Ordering information

Family	Mounting type	Feature	Wattage	Length	CRI	CCT	Control	Beam angle (for Lens optics)	Finishing Color	Downlight/Up-light ratio
Torofi	P - Pendant/Surface mount or track	PRISM - Microprism	15W	1200 -	8 - 80 CRI	30 -	S - Static	030 - 30° x 70°	WH - White	10 -
			29W 30W 45W 90W	1200 [mm]  2400 - 2400 [mm]"		3000K  40 - 4000K				73 - 70% down/30% up"

**Example:** Torofi P 29W 1200 830 S 085 Wh 10

29 W 1200 mm long Torofi with pendant mounting, 80 CRI, 3000K correlated color temperature, Static control, 85° beam angle and white color

## Dimensions (mm)



## Regulatory and standards

**Regulatory mark:** CE, UKCA, Morocco

**Regulations:** 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU 2019/2020, (framework EU/2017/1369) EU 2019/2015\*

**Harmonized standards:** EN 60598, EN 62493, EN 61547, EN55015, EN 61000, look for CE Declaration of Conformity and Technical File for details

Photobiological risk assessment is maximum group 1. The product is considered safe, does not pose any photobiological hazard \*not on DOC