

### FEATURES

- High CRI LED optimized towards TM30
- ENEC approved drivers
- Warm dim version to 1800K available



LV 24° / 60°



### SPRINGS

Standard with CS spring (concrete/gyproc). Also available as above with WS spring (gyproc/metal).



LV 80°

### COLOURS

Available colours:



Nr	Housing	Inside ring
	RAL 9016	
XX=61	Matt white	Gold
XX=62	Matt white	Black
XX=65	Matt white	White



Nr	Housing	Inside ring
	RAL 9005	
XX=71	Matt black	Gold
XX=72	Matt black	Black
XX=76	Matt black	White

## Fido 108 LV(-HE)

Adjustable

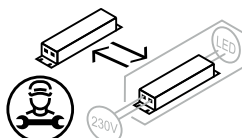
### SPECIFICATIONS

Beam angle (FWHM)	24° / 60° / 80°
Fixture material	Housing: Die cast aluminium / Reflector glass: Polycarbonate
Environment	Indoor
IK rate	IK03
Operating temperature (Ta)	-20°C / +45°C <sup>1</sup>
Safety marks	EN60598 / EN62031 / EN62471
EMC compliance	EN55015
Colour consistency (SDCM)	MacAdam step 3
Warranty	7 years * (within the European Union and the countries of the Free Trade Association for products delivered after 1 May 2015)
Safety class	II
Energy class	These products contains a light source of energy efficiency class: <b>CRI197</b> - G (1800-3000K) / F (2700K/3000K) / E (4000K) & <b>CRI182</b> - E (2700K/3000K) / D (4000K)

This luminaire contains built-in LED lamps. There are no exchangeable parts inside the luminaire. EU 874/2012

<sup>1</sup> In applications with a flat roof (f.i. car showrooms) the temperatures may exceed 45°C. Please ask our sales office for a special driver.

Ask our sales department about the possibilities for:  
- High CRI LED options



IP20

**CRI82 VARIATIONS**

Fido 108 LV-HE 2700K CRI82 1650LM	page 3
Fido 108 LV-HE 3000K CRI82 1725LM	page 4
Fido 108 LV-HE 4000K CRI82 1750LM	page 5

**CRI97 VARIATIONS**

Fido 108 LV 2700K CRI97 1150LM	page 6
Fido 108 LV 3000K CRI97 1250LM	page 7
Fido 108 LV 4000K CRI97 1350LM	page 8
Fido 108 LV 1800-3000K CRI97 1250LM	page 9

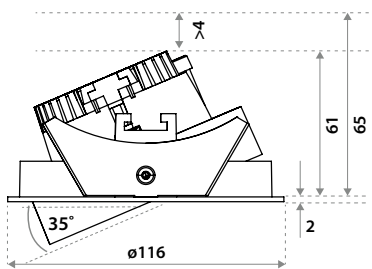
**CRI82 CHOOSE YOUR LV LUMEN OUTPUT**

	mA	W	Lumen Output			Lumen / Watt			UGR			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	3000K			No dim	Triac	1-10V & Push	Dali	Casambi
									24°	60°	80°					
Special request	125	4,5	625	650	675	140	145	151				127570	x	x	x	x
Special request	150	5,4	750	775	800	139	144	149				CC21W150-500	x	x	x	x
Special request	200	7,2	1000	1025	1050	139	142	145				CC21W150-500	x	x	x	X
Special request	250	9,1	1225	1250	1275	135	138	140				CC21W150-500	x	x	ECO240A	X
Special request	300	11,0	1450	1500	1525	132	137	139				CC21W150-500	x	125400	ECO240A	127630
<b>Standard</b>	350	12,9	1650	1725	1750	128	134	136	24,2	25,1	29,6	CC21W150-500	127030	125400	ECO240A	127630

**CRI97 CHOOSE YOUR LV LUMEN OUTPUT**

	mA	W	Lumen Output			Lumen / Watt			UGR			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	3000K			No dim	Triac	1-10V & Push	Dali	Casambi
									24°	60°	80°					
Special request	125	5,0	475	500	525	95	100	105				127570	x	x	x	x
Special request	150	6,1	550	575	625	91	95	103				CC21W150-500	x	x	x	x
Special request	200	8,1	700	750	825	86	93	102				CC21W150-500	x	x	x	X
Special request	250	9,8	850	900	1000	87	92	102				CC21W150-500	x	x	ECO240A	X
Special request	300	12,0	1050	1100	1200	88	92	100				CC21W150-500	x	125400	ECO240A	127630
<b>Standard</b>	350	13,8	1150	1250	1350	83	91	98	23,1	24,0	28,4	CC21W150-500	127030	125400	ECO240A	127630

**DIMENSIONS**



**HOLE SIZE**



**Using CS springs:** Ø 108 mm.  
Thickness ceiling 5-65 mm  
& recess depth 65 mm.



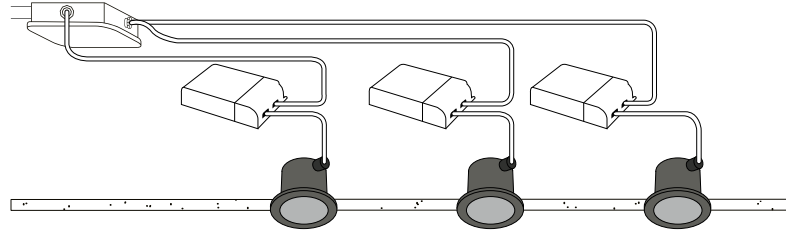
**Using WS springs:** Ø 108 mm.  
Thickness ceiling 1-30 mm  
& recess depth 65 mm.

For soft ceiling tiles we recommend using a wooden plate or a ceiling ring on the reverse side of the tile.

**FIDO 108 LV-HE**

**2700K CRI82 1650LM**

Downlight incl. PSU



**ITEM SPECIFICATIONS (PART A)**

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV-HE 2700K 1650Lm CRI82 24° No dim	F23C03XX4K02	F23C03XX9K02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Triac	F23C03XX4A02	F23C03XX9A02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 24° 1-10V & Push	F23C03XX4T02	F23C03XX9T02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Dali	F23C03XX4B02	F23C03XX9B02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Casambi	F23C03XX4C02	F23C03XX9C02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 60° No dim	F23C03XX4L02	F23C03XX9L02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Triac	F23C03XX4D02	F23C03XX9D02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 60° 1-10V & Push	F23C03XX4U02	F23C03XX9U02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Dali	F23C03XX4E02	F23C03XX9E02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Casambi	F23C03XX4F02	F23C03XX9F02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 80° No dim	F23C03XX4M02	F23C03XX9M02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Triac	F23C03XX4G02	F23C03XX9G02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 80° 1-10V & Push	F23C03XX4V02	F23C03XX9V02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Dali	F23C03XX4H02	F23C03XX9H02	incl. PSU	220-240V	12,9	1650	128	82
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Casambi	F23C03XX4J02	F23C03XX9J02	incl. PSU	220-240V	12,9	1650	128	82

**ITEM SPECIFICATIONS (PART B)**

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV-HE 2700K 1650Lm CRI82 24° No dim	87	83	95	82	24.1	0.93	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Triac	87	83	95	82	24.1	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 24° 1-10V & Push	87	83	95	82	24.1	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Dali	87	83	95	82	24.1	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 24° Casambi	87	83	95	82	24.1	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 60° No dim	87	83	95	82	24.9	0.93	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Triac	87	83	95	82	24.9	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 60° 1-10V & Push	87	83	95	82	24.9	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Dali	87	83	95	82	24.9	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 60° Casambi	87	83	95	82	24.9	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 80° No dim	87	83	95	82	29.4	0.93	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Triac	87	83	95	82	29.4	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 80° 1-10V & Push	87	83	95	82	29.4	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Dali	87	83	95	82	29.4	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 2700K 1650Lm CRI82 80° Casambi	87	83	95	82	29.4	0.95	<3%	5A 50µS	50 pcs

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV-HE 2700K 1650Lm CRI82	II	E	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

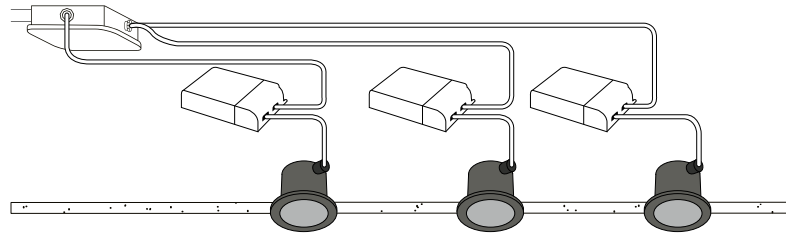
All values are measured at 230V (+/- 7%)

18-09-2024

**FIDO 108 LV-HE**

**3000K CRI82 1725LM**

Downlight incl. PSU



**ITEM SPECIFICATIONS (PART A)**

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV-HE 3000K 1725Lm CRI82 24° No dim	F23D03XX4K02	F23D03XX9K02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Triac	F23D03XX4A02	F23D03XX9A02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 24° 1-10V & Push	F23D03XX4T02	F23D03XX9T02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Dali	F23D03XX4B02	F23D03XX9B02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Casambi	F23D03XX4C02	F23D03XX9C02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 60° No dim	F23D03XX4L02	F23D03XX9L02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Triac	F23D03XX4D02	F23D03XX9D02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 60° 1-10V & Push	F23D03XX4U02	F23D03XX9U02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Dali	F23D03XX4E02	F23D03XX9E02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Casambi	F23D03XX4F02	F23D03XX9F02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 80° No dim	F23D03XX4M02	F23D03XX9M02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Triac	F23D03XX4G02	F23D03XX9G02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 80° 1-10V & Push	F23D03XX4V02	F23D03XX9V02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Dali	F23D03XX4H02	F23D03XX9H02	incl. PSU	220-240V	12,9	1725	134	82
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Casambi	F23D03XX4J02	F23D03XX9J02	incl. PSU	220-240V	12,9	1725	134	82

**ITEM SPECIFICATIONS (PART B)**

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV-HE 3000K 1725Lm CRI82 24° No dim	89	84	97	80	24.2	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Triac	89	84	97	80	24.2	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 24° 1-10V & Push	89	84	97	80	24.2	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Dali	89	84	97	80	24.2	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 24° Casambi	89	84	97	80	24.2	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 60° No dim	89	84	97	80	25.1	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Triac	89	84	97	80	25.1	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 60° 1-10V & Push	89	84	97	80	25.1	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Dali	89	84	97	80	25.1	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 60° Casambi	89	84	97	80	25.1	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 80° No dim	89	84	97	80	29.6	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Triac	89	84	97	80	29.6	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 80° 1-10V & Push	89	84	97	80	29.6	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Dali	89	84	97	80	29.6	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 3000K 1725Lm CRI82 80° Casambi	89	84	97	80	29.6	0.95	<3%	5A 50µs	50 pcs

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV-HE 3000K 1725Lm CRI82	II	E	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

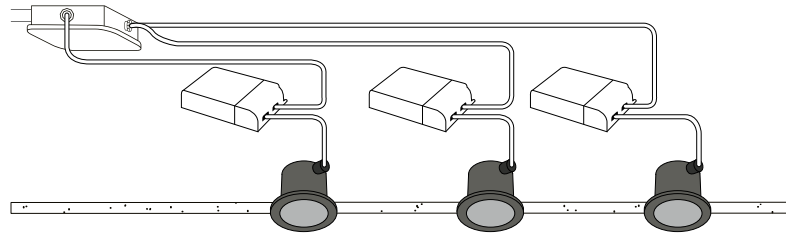
All values are measured at 230V (+/- 7%)

18-09-2024

**FIDO 108 LV-HE**

**4000K CRI82 1750LM**

Downlight incl. PSU



**ITEM SPECIFICATIONS (PART A)**

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV-HE 4000K 1750Lm CRI82 24° No dim	F23F03XX4K02	F23F03XX9K02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Triac	F23F03XX4A02	F23F03XX9A02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 24° 1-10V & Push	F23F03XX4T02	F23F03XX9T02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Dali	F23F03XX4B02	F23F03XX9B02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Casambi	F23F03XX4C02	F23F03XX9C02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 60° No dim	F23F03XX4L02	F23F03XX9L02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Triac	F23F03XX4D02	F23F03XX9D02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 60° 1-10V & Push	F23F03XX4U02	F23F03XX9U02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Dali	F23F03XX4E02	F23F03XX9E02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Casambi	F23F03XX4F02	F23F03XX9F02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 80° No dim	F23F03XX4M02	F23F03XX9M02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Triac	F23F03XX4G02	F23F03XX9G02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 80° 1-10V & Push	F23F03XX4V02	F23F03XX9V02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Dali	F23F03XX4H02	F23F03XX9H02	incl. PSU	220-240V	12,9	1750	136	82
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Casambi	F23F03XX4J02	F23F03XX9J02	incl. PSU	220-240V	12,9	1750	136	82

**ITEM SPECIFICATIONS (PART B)**

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV-HE 4000K 1750Lm CRI82 24° No dim	89	84	97	79	24.3	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Triac	89	84	97	79	24.3	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 24° 1-10V & Push	89	84	97	79	24.3	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Dali	89	84	97	79	24.3	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 24° Casambi	89	84	97	79	24.3	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 60° No dim	89	84	97	79	25.2	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Triac	89	84	97	79	25.2	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 60° 1-10V & Push	89	84	97	79	25.2	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Dali	89	84	97	79	25.2	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 60° Casambi	89	84	97	79	25.2	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 80° No dim	89	84	97	79	29.6	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Triac	89	84	97	79	29.6	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 80° 1-10V & Push	89	84	97	79	29.6	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Dali	89	84	97	79	29.6	0.95	<5%	200mA*s	106 pcs
Fido 108 LV-HE 4000K 1750Lm CRI82 80° Casambi	89	84	97	79	29.6	0.95	<3%	5A 50µs	50 pcs

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV-HE 4000K 1750Lm CRI82	II	D	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%)

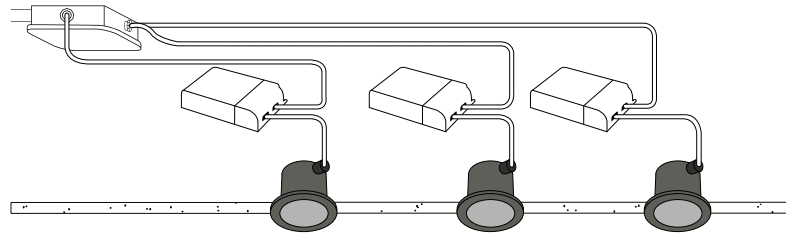
18-09-2024

**FIDO 108 LV**

Downlight incl. PSU



**2700K CRI97 1150LM**



**ITEM SPECIFICATIONS (PART A)**

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV 2700K 1150Lm CRI97 24° No dim	F25C03XX4K02	F25C03XX9K02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 24° Triac	F25C03XX4A02	F25C03XX9A02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 24° 1-10V & Push	F25C03XX4T02	F25C03XX9T02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 24° Dali	F25C03XX4B02	F25C03XX9B02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 24° Casambi	F25C03XX4C02	F25C03XX9C02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 60° No dim	F25C03XX4L02	F25C03XX9L02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 60° Triac	F25C03XX4D02	F25C03XX9D02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 60° 1-10V & Push	F25C03XX4U02	F25C03XX9U02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 60° Dali	F25C03XX4E02	F25C03XX9E02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 60° Casambi	F25C03XX4F02	F25C03XX9F02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 80° No dim	F25C03XX4M02	F25C03XX9M02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 80° Triac	F25C03XX4G02	F25C03XX9G02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 80° 1-10V & Push	F25C03XX4V02	F25C03XX9V02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 80° Dali	F25C03XX4H02	F25C03XX9H02	incl. PSU	220-240V	13,8	1150	83	97
Fido 108 LV 2700K 1150Lm CRI97 80° Casambi	F25C03XX4J02	F25C03XX9J02	incl. PSU	220-240V	13,8	1150	83	97

**ITEM SPECIFICATIONS (PART B)**

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV 2700K 1150Lm CRI97 24° No dim	93	96	103	99	20.8	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 24° Triac	93	96	103	99	20.8	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 24° 1-10V & Push	93	96	103	99	20.8	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 24° Dali	93	96	103	99	20.8	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 2700K 1150Lm CRI97 24° Casambi	93	96	103	99	20.8	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 60° No dim	93	96	103	99	21.6	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 60° Triac	93	96	103	99	21.6	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 60° 1-10V & Push	93	96	103	99	21.6	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 60° Dali	93	96	103	99	21.6	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 2700K 1150Lm CRI97 60° Casambi	93	96	103	99	21.6	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 80° No dim	93	96	103	99	26.1	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 80° Triac	93	96	103	99	26.1	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 80° 1-10V & Push	93	96	103	99	26.1	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 2700K 1150Lm CRI97 80° Dali	93	96	103	99	26.1	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 2700K 1150Lm CRI97 80° Casambi	93	96	103	99	26.1	0.95	<3%	5A 50µS	50 pcs

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV 2700K 1150Lm CRI97	II	F	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%)

18-09-2024

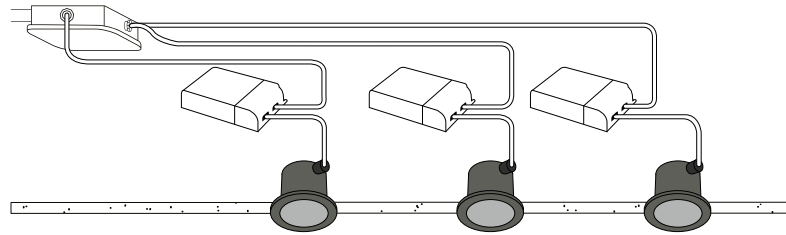


## FIDO 108 LV

Downlight incl. PSU



**3000K CRI97 1250LM**



### ITEM SPECIFICATIONS (PART A)

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV 3000K 1250Lm CRI97 24° No dim	F25D03XX4K02	F25D03XX9K02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 24° Triac	F25D03XX4A02	F25D03XX9A02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 24° 1-10V & Push	F25D03XX4T02	F25D03XX9T02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 24° Dali	F25D03XX4B02	F25D03XX9B02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 24° Casambi	F25D03XX4C02	F25D03XX9C02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 60° No dim	F25D03XX4L02	F25D03XX9L02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 60° Triac	F25D03XX4D02	F25D03XX9D02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 60° 1-10V & Push	F25D03XX4U02	F25D03XX9U02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 60° Dali	F25D03XX4E02	F25D03XX9E02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 60° Casambi	F25D03XX4F02	F25D03XX9F02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 80° No dim	F25D03XX4M02	F25D03XX9M02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 80° Triac	F25D03XX4G02	F25D03XX9G02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 80° 1-10V & Push	F25D03XX4V02	F25D03XX9V02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 80° Dali	F25D03XX4H02	F25D03XX9H02	incl. PSU	220-240V	13,8	1250	91	97
Fido 108 LV 3000K 1250Lm CRI97 80° Casambi	F25D03XX4J02	F25D03XX9J02	incl. PSU	220-240V	13,8	1250	91	97

### ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV 3000K 1250Lm CRI97 24° No dim	96	95	103	100	21.1	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 24° Triac	96	95	103	100	21.1	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 24° 1-10V & Push	96	95	103	100	21.1	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 24° Dali	96	95	103	100	21.1	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 3000K 1250Lm CRI97 24° Casambi	96	95	103	100	21.1	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 60° No dim	96	95	103	100	21.9	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 60° Triac	96	95	103	100	21.9	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 60° 1-10V & Push	96	95	103	100	21.9	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 60° Dali	96	95	103	100	21.9	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 3000K 1250Lm CRI97 60° Casambi	96	95	103	100	21.9	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 80° No dim	96	95	103	100	26.4	0.93	<3%	21A 180µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 80° Triac	96	95	103	100	26.4	0.95	<3%	2A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 80° 1-10V & Push	96	95	103	100	26.4	0.95	<3%	5A 50µs	50 pcs
Fido 108 LV 3000K 1250Lm CRI97 80° Dali	96	95	103	100	26.4	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 3000K 1250Lm CRI97 80° Casambi	96	95	103	100	26.4	0.95	<3%	5A 50µs	50 pcs

### ITEM SPECIFICATIONS (PART C)

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV 3000K 1250Lm CRI97	II	F	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%)

18-09-2024

eldoLED bridgelux KGP

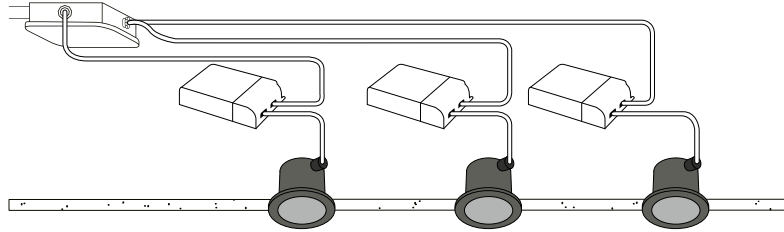
LUMILEDS TCI CASAMBI TE

**FIDO 108 LV**

Downlight incl. PSU



**4000K CRI97 1350LM**



**ITEM SPECIFICATIONS (PART A)**

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Fido 108 LV 4000K 1350Lm CRI97 24° No dim	F25H03XX4K02	F25H03XX9K02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 24° Triac	F25H03XX4A02	F25H03XX9A02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 24° 1-10V & Push	F25H03XX4T02	F25H03XX9T02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 24° Dali	F25H03XX4B02	F25H03XX9B02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 24° Casambi	F25H03XX4C02	F25H03XX9C02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 60° No dim	F25H03XX4L02	F25H03XX9L02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 60° Triac	F25H03XX4D02	F25H03XX9D02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 60° 1-10V & Push	F25H03XX4U02	F25H03XX9U02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 60° Dali	F25H03XX4E02	F25H03XX9E02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 60° Casambi	F25H03XX4F02	F25H03XX9F02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 80° No dim	F25H03XX4M02	F25H03XX9M02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 80° Triac	F25H03XX4G02	F25H03XX9G02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 80° 1-10V & Push	F25H03XX4V02	F25H03XX9V02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 80° Dali	F25H03XX4H02	F25H03XX9H02	incl. PSU	220-240V	13,8	1350	98	97
Fido 108 LV 4000K 1350Lm CRI97 80° Casambi	F25H03XX4J02	F25H03XX9J02	incl. PSU	220-240V	13,8	1350	98	97

**ITEM SPECIFICATIONS (PART B)**

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Fido 108 LV 4000K 1350Lm CRI97 24° No dim	96	95	103	100	21.3	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 24° Triac	96	95	103	100	21.3	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 24° 1-10V & Push	96	95	103	100	21.3	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 24° Dali	96	95	103	100	21.3	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 4000K 1350Lm CRI97 24° Casambi	96	95	103	100	21.3	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 60° No dim	96	95	103	100	22.2	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 60° Triac	96	95	103	100	22.2	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 60° 1-10V & Push	96	95	103	100	22.2	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 60° Dali	96	95	103	100	22.2	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 4000K 1350Lm CRI97 60° Casambi	96	95	103	100	22.2	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 80° No dim	96	95	103	100	26.6	0.93	<3%	21A 180µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 80° Triac	96	95	103	100	26.6	0.95	<3%	2A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 80° 1-10V & Push	96	95	103	100	26.6	0.95	<3%	5A 50µS	50 pcs
Fido 108 LV 4000K 1350Lm CRI97 80° Dali	96	95	103	100	26.6	0.95	<5%	200mA²s	106 pcs
Fido 108 LV 4000K 1350Lm CRI97 80° Casambi	96	95	103	100	26.6	0.95	<3%	5A 50µS	50 pcs

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV 4000K 1350Lm CRI97	II	E	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%)

18-09-2024

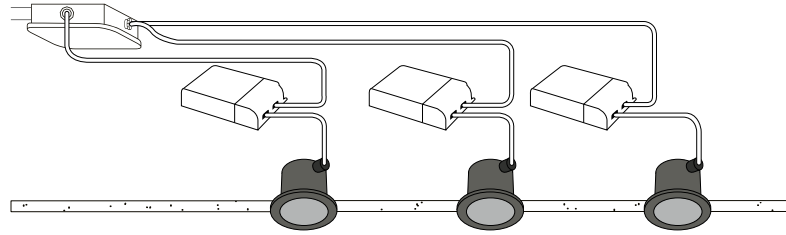


**FIDO 108 LV**

Downlight incl. PSU



**1800-3000K CRI97 1250LM**



**ITEM SPECIFICATIONS (PART A)**

Description	24°			60°			80°		
	Item code		UGR	Item code		UGR	Item code		UGR
	CS	WS		CS	WS		CS	WS	
Fido 108 LV 1800-3000K 1250Lm CRI97 Triac	F25F03XX4A02	F25F03XX9A02	21.1	F25F03XX4D02	F25F03XX9D02	21.9	F25F03XX4G02	F25F03XX9G02	26.4
Fido 108 LV 1800-3000K 1250Lm CRI97 1-10V & Push	F25F03XX4T02	F25F03XX9T02	21.1	F25F03XX4U02	F25F03XX9U02	21.9	F25F03XX4V02	F25F03XX9V02	26.4
Fido 108 LV 1800-3000K 1250Lm CRI97 Dali	F25F03XX4B02	F25F03XX9B02	21.1	F25F03XX4E02	F25F03XX9E02	21.9	F25F03XX4H02	F25F03XX9H02	26.4
Fido 108 LV 1800-3000K 1250Lm CRI97 Casambi	F25F03XX4C02	F25F03XX9C02	21.1	F25F03XX4F02	F25F03XX9F02	21.9	F25F03XX4J02	F25F03XX9J02	26.4

**ITEM SPECIFICATIONS (PART B)**

Description	CCT	W	Lm	Lm/W	CRI (typ.)	R9	Rf	Rg	mA	Pf	Ripple	Inrush	B16A
Fido 108 LV 1800-3000K 1250Lm CRI97 Triac	100%	3000	13,8	1250	91	97	93	95	102	350	0.95	<3%	2A 50µs 50 pcs
	50%	2500	6,9	625	90	94	90	95	105				
	25%	2200	3,4	300	88	93	94	93	105				
	10%	1800	1,4	125	89	92	97	86	110				
Fido 108 LV 1800-3000K 1250Lm CRI97 1-10V & Push	100%	3000	13,8	1250	91	97	93	95	102	350	0.95	<3%	5A 50µs 50 pcs
	50%	2500	6,9	625	90	94	90	95	105				
	25%	2200	3,4	300	88	93	94	93	105				
	10%	1800	1,4	125	89	92	97	86	110				
Fido 108 LV 1800-3000K 1250Lm CRI97 Dali	100%	3000	13,8	1250	91	97	93	95	102	350	0.95	<5%	200mA*s 106 pcs
	50%	2500	6,9	625	90	94	90	95	105				
	25%	2200	3,4	300	88	93	94	93	105				
	10%	1800	1,4	125	89	92	97	86	110				
Fido 108 LV 1800-3000K 1250Lm CRI97 Casambi	100%	3000	13,8	1250	91	97	93	95	102	350	0.95	<3%	5A 50µs 50 pcs
	50%	2500	6,9	625	90	94	90	95	105				
	25%	2200	3,4	300	88	93	94	93	105				
	10%	1800	1,4	125	89	92	97	86	110				

**ITEM SPECIFICATIONS (PART C)**

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Fido 108 LV 1800-3000K 1250Lm CRI97	II	G	532 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%)

## NEW STANDARDS REQUIRE NEW LEDS

TM-30 (new color norm): The Illuminating Engineering Society (IES) has published a new Technical Memorandum – TM-30-15 entitled “IES Method for Evaluating Light Source Color Rendition” – that promises to supplant CRI as a color metric. TM-30 relies on separate fidelity and gamut metrics, as well as a set of color samples that is more representative of real-world objects, as opposed to the pastel samples that were primarily used for the baseline CRI metric that was sometimes called Ra. The new color metric is intended to fairly and accurately characterize both LED-based solid-state lighting (SSL) and legacy sources.



### Desaturated

CRI = 82 / R<sub>g</sub> = 94



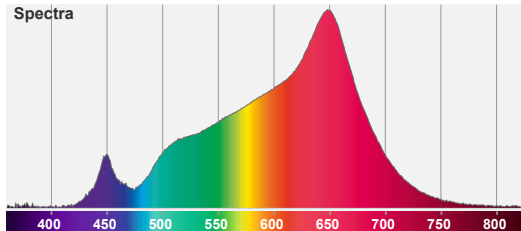
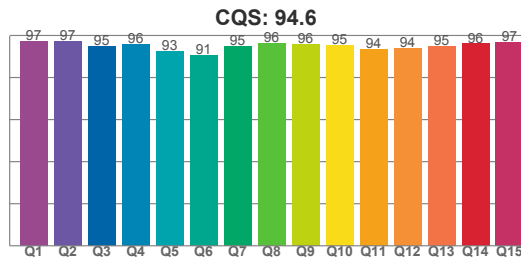
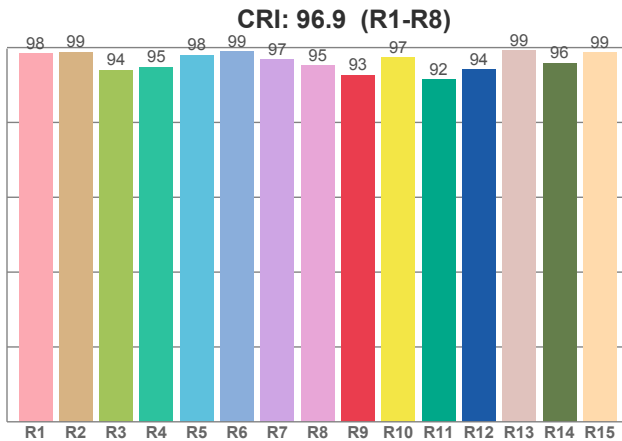
### Red-Enhanced

CRI = 97 / R<sub>g</sub> = 103

## HIGH CRI LED OPTIONS

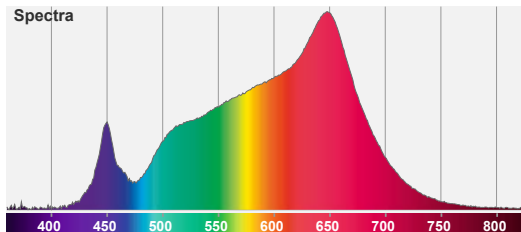
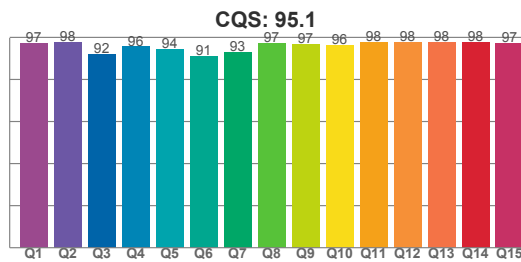
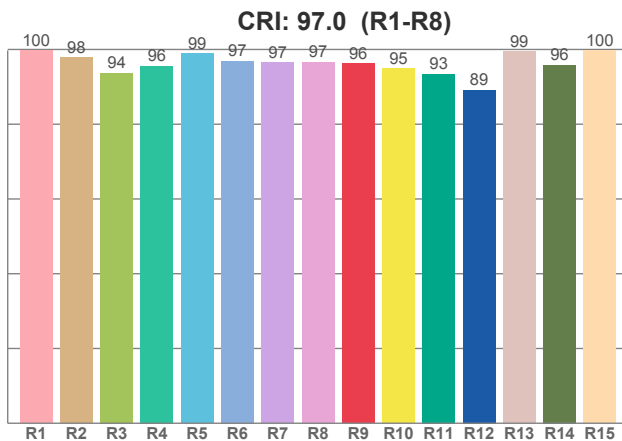
	CCT	CRI	R9	RF	RG	DOWNLIGHTS SMALL			DOWNLIGHTS LARGE		DOWNLIGHTS LARGE		BRAND	ITEM CODE
						MA	LM	LM/W	MA	LM	MA	LM		
<b>CRI82</b>	2700K	82	5	83	94	350	1650	128	700	3400	1200	5300	Bridgelux ksf	51-4087-27
<b>CRI82</b>	3000K	82	7	86	95	350	1725	134	700	3575	1200	5550	Bridgelux ksf	51-4087-30
<b>CRI82</b>	4000K	82	18	84	96	350	1750	136	700	3650	1200	5800	Bridgelux ksf	51-4087-40
<b>CRI90</b>	2700K	92	67	88	104	350	1550	118	700	3150	1200	4700	Bridgelux ksf	51-4088-27
<b>CRI90</b>	3000K	92	67	92	99	350	1600	122	700	3250	1200	4850	Bridgelux ksf	51-4088-30
<b>CRI90</b>	4000K	92	78	92	100	350	1625	124	700	3300	1200	4925	Bridgelux ksf	51-4088-40
<b>CRI97</b>	2700K	97	93	96	103	350	1150	83	800	2300	1400	3425	Lumileds	50-3031-27
<b>CRI97</b>	3000K	97	96	95	103	350	1250	91	800	2500	1400	3750	Lumileds	50-3031-30
<b>CRI97</b>	4000K	97	96	95	103	350	1350	98	800	2700	1400	4050	Lumileds	50-3031-40

**2700K**



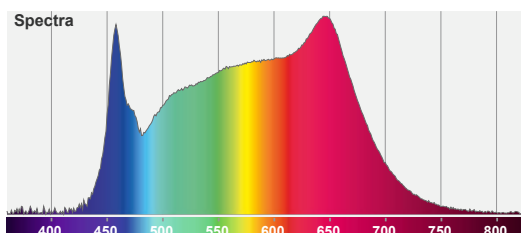
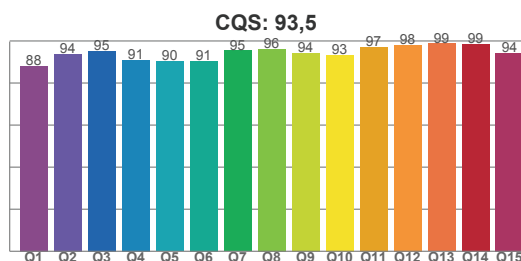
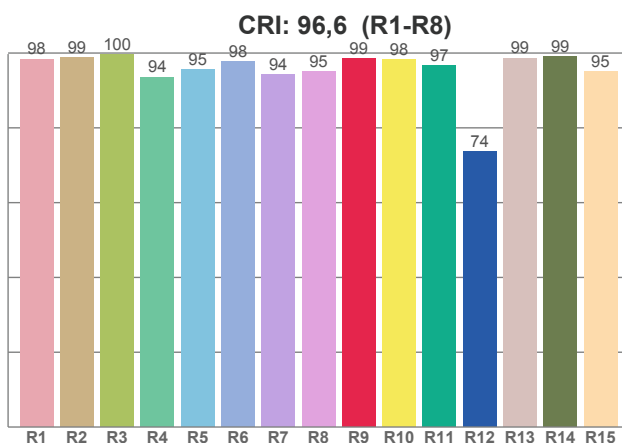
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS
2700K	96.9	92.7	96.0	102.6	94.6

**3000K**



CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS
3000 K	97.0	96.2	95.0	103.3	95.1

**4000K**



CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS
4000K	96.6	98.5	88.3	96.2	93.5