

FEATURES

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

SPRINGS

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



COLOURS

Available colours:



Nr	Housing	Inside ring
RAL 9016		
XX=61	Matt white / Gold	
XX=63	Matt white / Silver	
XX=62	Matt white / Black	
XX=65	Matt white / White	



Nr	Housing	Inside ring
RAL 9005		
XX=71	Matt black / Gold	
XX=74	Matt black / Silver	
XX=72	Matt black / Black	
XX=76	Matt black / White	

Strada 90 LV

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 ¹
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 G (1800-3000K) / F (2700K/3000K) / E (4000K)

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

¹ 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:
- Extra LED options from the LUXEON Stylist Series



CRI97 VARIATIONS

Strada 90 LV 2700K CRI97 1150LM	page 3
Strada 90 LV 3000K CRI97 1250LM	page 4
Strada 90 LV 4000K CRI97 1350LM	page 5
Strada 90 LV 1800-3000K CRI97 1250LM	page 6

CRI97 CHOOSE YOUR LV LUMEN OUTPUT

	mA	W	Lumen Output			Lumen / Watt			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	No dim	Triac	1-10V&Push	Dali	Casambi
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	127570	x	x	x	x
Special request	200	8,1	700	750	825	86	93	102	127570	x	x	x	X
Special request	250	9,8	850	900	1000	87	92	102	127570	x	x	ECO240A	X
Special request	300	12,0	1050	1100	1200	88	92	100	127570	x	125400	ECO240A	127630
Standard	350	13,8	1150	1250	1350	83	91	98	127570	127030	125400	ECO240A	127630

CRI80 ON REQUEST

	mA	W	Lumen Output			Lumen / Watt			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	No dim	Triac	1-10V&Push	Dali	Casambi
Special request	125	5,0	575	625	650	115	125	130	127570	x	x	x	x
Special request	150	6,1	700	750	775	115	123	128	127570	x	x	x	x
Special request	200	8,1	925	975	1025	114	120	127	127570	x	x	x	X
Special request	250	9,8	1125	1175	1225	115	120	125	127570	x	x	ECO240A	X
Special request	300	12,0	1350	1425	1500	113	119	125	127570	x	125400	ECO240A	127630
Standard	350	13,8	1550	1625	1700	112	118	123	127570	127030	125400	ECO240A	127630

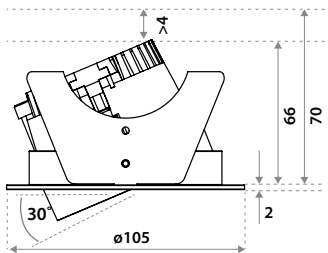
FIRE RATING TUBE

Description	Item code	Hole size	time
Fire rating tube 90	009D03MW0000	ø94x70mm	90 min.



⚠ Only in combination with WS (wire) springs versions.

DIMENSIONS



HOLE SIZE



Using CS springs: Ø 90 mm.
Thickness ceiling 5-70 mm
& recess depth 70 mm.

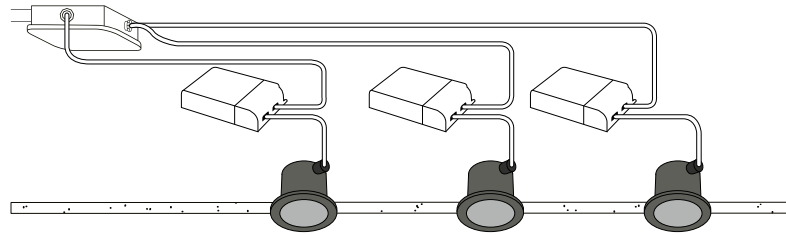
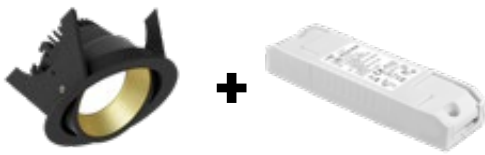


Using WS springs. Ø 92 mm.
Thickness ceiling 1-50 mm
& recess depth 70 mm.

STRADA 90 LV

2700K CRI97 1150LM

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Strada 90 LV 2700K 1150Lm CRI97 24° No dim	855C03XX4K02	855C03XX9K02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 24° Triac	855C03XX4A02	855C03XX9A02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 24° 1-10V & Push	855C03XX4T02	855C03XX9T02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 24° Dali	855C03XX4B02	855C03XX9B02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 24° Casambi	855C03XX4C02	855C03XX9C02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 60° No dim	855C03XX4L02	855C03XX9L02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 60° Triac	855C03XX4D02	855C03XX9D02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 60° 1-10V & Push	855C03XX4U02	855C03XX9U02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 60° Dali	855C03XX4E02	855C03XX9E02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 60° Casambi	855C03XX4F02	855C03XX9F02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 80° No dim	855C03XX4M02	855C03XX9M02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 80° Triac	855C03XX4G02	855C03XX9G02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 80° 1-10V & Push	855C03XX4V02	855C03XX9V02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 80° Dali	855C03XX4H02	855C03XX9H02	incl. PSU	220-240V	13,8	1150	83	97
Strada 90 LV 2700K 1150Lm CRI97 80° Casambi	855C03XX4J02	855C03XX9J02	incl. PSU	220-240V	13,8	1150	83	97

ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Strada 90 LV 2700K 1150Lm CRI97 24° No dim	93	96	103	99	22.8	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 24° Triac	93	96	103	99	22.8	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 24° 1-10V & Push	93	96	103	99	22.8	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 24° Dali	93	96	103	99	22.8	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 2700K 1150Lm CRI97 24° Casambi	93	96	103	99	22.8	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 60° No dim	93	96	103	99	23.7	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 60° Triac	93	96	103	99	23.7	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 60° 1-10V & Push	93	96	103	99	23.7	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 60° Dali	93	96	103	99	23.7	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 2700K 1150Lm CRI97 60° Casambi	93	96	103	99	23.7	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 80° No dim	93	96	103	99	28.1	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 80° Triac	93	96	103	99	28.1	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 80° 1-10V & Push	93	96	103	99	28.1	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 2700K 1150Lm CRI97 80° Dali	93	96	103	99	28.1	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 2700K 1150Lm CRI97 80° Casambi	93	96	103	99	28.1	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
Strada 90 LV 2700K 1150Lm CRI97	II	F	460 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

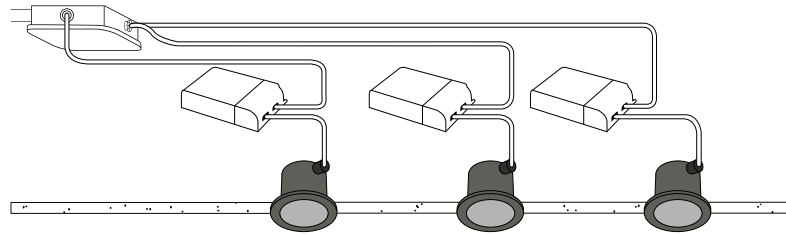
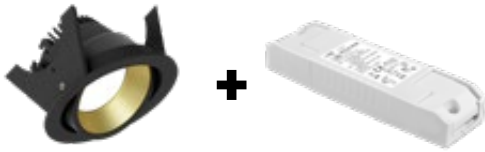
All values are measured at 230V (+/- 7%)

17-07-2023

STRADA 90 LV

3000K CRI97 1250LM

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Strada 90 LV 3000K 1250Lm CRI97 24° No dim	855D03XX4K02	855D03XX9K02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 24° Triac	855D03XX4A02	855D03XX9A02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 24° 1-10V & Push	855D03XX4T02	855D03XX9T02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 24° Dali	855D03XX4B02	855D03XX9B02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 24° Casambi	855D03XX4C02	855D03XX9C02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 60° No dim	855D03XX4L02	855D03XX9L02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 60° Triac	855D03XX4D02	855D03XX9D02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 60° 1-10V & Push	855D03XX4U02	855D03XX9U02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 60° Dali	855D03XX4E02	855D03XX9E02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 60° Casambi	855D03XX4F02	855D03XX9F02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 80° No dim	855D03XX4M02	855D03XX9M02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 80° Triac	855D03XX4G02	855D03XX9G02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 80° 1-10V & Push	855D03XX4V02	855D03XX9V02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 80° Dali	855D03XX4H02	855D03XX9H02	incl. PSU	220-240V	13,8	1250	91	97
Strada 90 LV 3000K 1250Lm CRI97 80° Casambi	855D03XX4J02	855D03XX9J02	incl. PSU	220-240V	13,8	1250	91	97

ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Strada 90 LV 3000K 1250Lm CRI97 24° No dim	96	95	103	100	23.1	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 24° Triac	96	95	103	100	23.1	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 24° 1-10V & Push	96	95	103	100	23.1	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 24° Dali	96	95	103	100	23.1	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 3000K 1250Lm CRI97 24° Casambi	96	95	103	100	23.1	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 60° No dim	96	95	103	100	24.0	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 60° Triac	96	95	103	100	24.0	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 60° 1-10V & Push	96	95	103	100	24.0	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 60° Dali	96	95	103	100	24.0	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 3000K 1250Lm CRI97 60° Casambi	96	95	103	100	24.0	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 80° No dim	96	95	103	100	28.4	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 80° Triac	96	95	103	100	28.4	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 80° 1-10V & Push	96	95	103	100	28.4	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 3000K 1250Lm CRI97 80° Dali	96	95	103	100	28.4	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 3000K 1250Lm CRI97 80° Casambi	96	95	103	100	28.4	0.95	<3%	5A 50µS	50 pcs

ITEM SPECIFICATIONS (PART C)

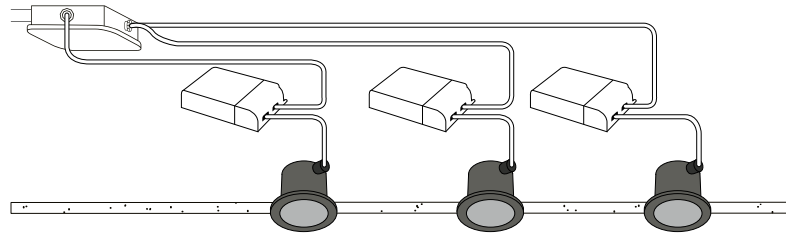
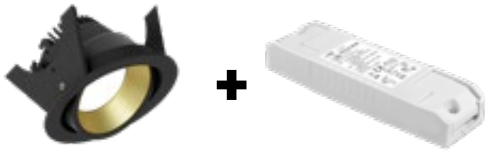
Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Strada 90 LV 3000K 1250Lm CRI97	II	F	460 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

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

STRADA 90 LV

4000K CRI97 1350LM

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

Description	Item code CS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Strada 90 LV 4000K 1350Lm CRI97 24° No dim	855H03XX4K02	855H03XX9K02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 24° Triac	855H03XX4A02	855H03XX9A02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 24° 1-10V & Push	855H03XX4T02	855H03XX9T02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 24° Dali	855H03XX4B02	855H03XX9B02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 24° Casambi	855H03XX4C02	855H03XX9C02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 60° No dim	855H03XX4L02	855H03XX9L02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 60° Triac	855H03XX4D02	855H03XX9D02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 60° 1-10V & Push	855H03XX4U02	855H03XX9U02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 60° Dali	855H03XX4E02	855H03XX9E02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 60° Casambi	855H03XX4F02	855H03XX9F02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 80° No dim	855H03XX4M02	855H03XX9M02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 80° Triac	855H03XX4G02	855H03XX9G02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 80° 1-10V & Push	855H03XX4V02	855H03XX9V02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 80° Dali	855H03XX4H02	855H03XX9H02	incl. PSU	220-240V	13,8	1350	98	97
Strada 90 LV 4000K 1350Lm CRI97 80° Casambi	855H03XX4J02	855H03XX9J02	incl. PSU	220-240V	13,8	1350	98	97

ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Strada 90 LV 4000K 1350Lm CRI97 24° No dim	96	95	103	100	23.4	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 24° Triac	96	95	103	100	23.4	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 24° 1-10V & Push	96	95	103	100	23.4	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 24° Dali	96	95	103	100	23.4	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 4000K 1350Lm CRI97 24° Casambi	96	95	103	100	23.4	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 60° No dim	96	95	103	100	24.2	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 60° Triac	96	95	103	100	24.2	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 60° 1-10V & Push	96	95	103	100	24.2	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 60° Dali	96	95	103	100	24.2	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 4000K 1350Lm CRI97 60° Casambi	96	95	103	100	24.2	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 80° No dim	96	95	103	100	28.7	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 80° Triac	96	95	103	100	28.7	0.95	<3%	2A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 80° 1-10V & Push	96	95	103	100	28.7	0.95	<3%	5A 50µS	50 pcs
Strada 90 LV 4000K 1350Lm CRI97 80° Dali	96	95	103	100	28.7	0.95	<5%	200mA²s	106 pcs
Strada 90 LV 4000K 1350Lm CRI97 80° Casambi	96	95	103	100	28.7	0.95	<3%	5A 50µS	50 pcs

ITEM SPECIFICATIONS (PART C)

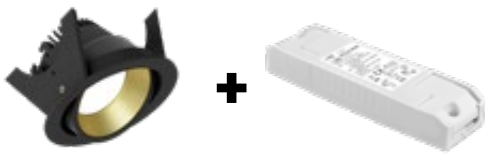
Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
						L70B10	L80B10	L90B10
Strada 90 LV 4000K 1350Lm CRI97	II	E	460 gr	160x107x100 mm	18 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

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

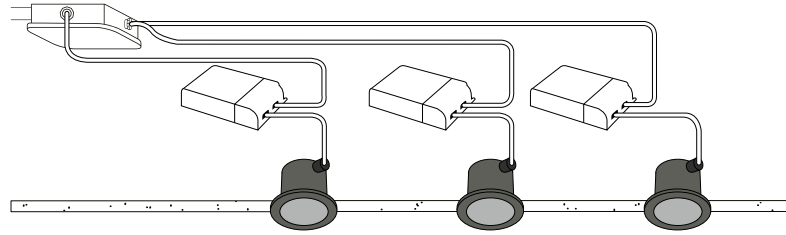
17-07-2023

STRADA 90 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	
Strada 90 LV 1800-3000K 1250Lm CRI97 Triac	855F03XX4A02	855F03XX9A02	23.1	855F03XX4D02	855F03XX9D02	24.0	855F03XX4G02	855F03XX9G02	28.4
Strada 90 LV 1800-3000K 1250Lm CRI97 1-10V & Push	855F03XX4T02	855F03XX9T02	23.1	855F03XX4U02	855F03XX9U02	24.0	855F03XX4V02	855F03XX9V02	28.4
Strada 90 LV 1800-3000K 1250Lm CRI97 Dali	855F03XX4B02	855F03XX9B02	23.1	855F03XX4E02	855F03XX9E02	24.0	855F03XX4H02	855F03XX9H02	28.4
Strada 90 LV 1800-3000K 1250Lm CRI97 Casambi	855F03XX4C02	855F03XX9C02	23.1	855F03XX4F02	855F03XX9F02	24.0	855F03XX4J02	855F03XX9J02	28.4

ITEM SPECIFICATIONS (PART B)

Description	CCT	W	Lm	Lm/W	CRI (typ.)	R9	Rf	Rg	mA	Pf	Ripple	Inrush	B16A
Strada 90 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				
Strada 90 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				
Strada 90 LV 1800-3000K 1250Lm CRI97 Dali	100%	3000	13,8	1250	91	97	93	95	102	350	0.95	<5%	200mA²s 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				
Strada 90 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
Strada 90 LV 1800-3000K 1250Lm CRI97	II	G	460 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 = 80 / R_g = 92



Red-Enhanced

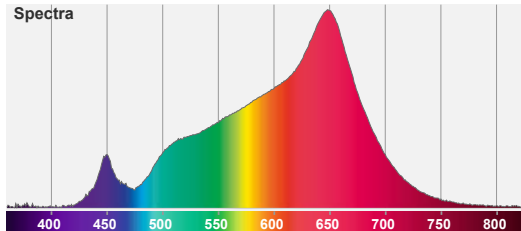
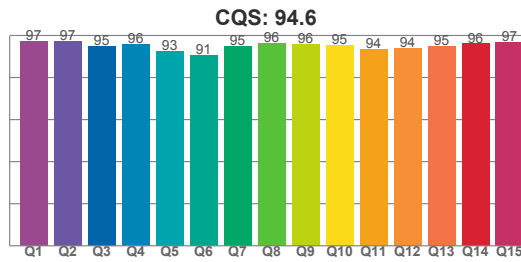
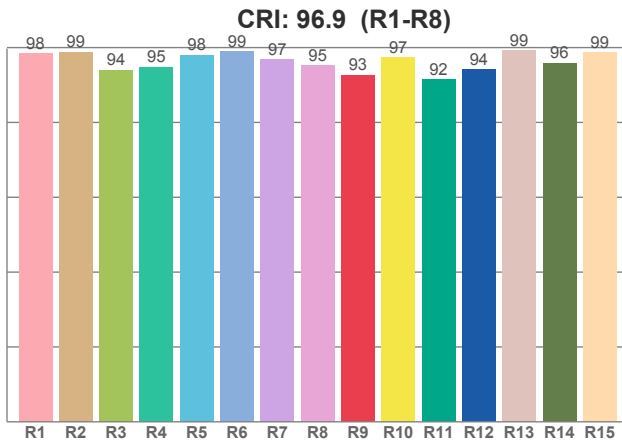
CRI = 98 / R_g = 103

SPECIAL LEDS AVAILABLE

	CCT	CRI	R9	RF	RG	R15	TLCI	DOWNLIGHTS SMALL		DOWNLIGHTS LARGE		DOWNLIGHTS LARGE		ITEM CODE
								MA	LM	MA	LM	MA	LM	
CRI80	2700K	82	5	82	92	75	69	350 mA	1550	700 mA	2900	1200 mA	4800	51-4028-27-1
CRI80	3000K	82	5	81	93	75	66	350 mA	1625	700 mA	3000	1200 mA	5000	51-4028-30-1
CRI80	4000K	82	5	81	93	74	66	350 mA	1700	700 mA	3400	1200 mA	5700	51-4028-40-1
CRI97	2700K	97	93	96	103	99	97	350 mA	1150	800 mA	x	1400 mA	x	50-3031-27
CRI97	3000K	97	96	95	103	100	97	350 mA	1250	800 mA	2500	1400 mA	3750	50-3031-30
CRI97	4000K	97	96	95	103	100	97	350 mA	1350	800 mA	x	1400 mA	x	50-3031-40
CrispWhite	3000K	90	61	87	102	89	83	350 mA	780	900 mA	2300	1400 mA	3550	51-4029-30
Red Meat	1800K	82	81	77	119	95	60	350 mA	515	900 mA	1750	1400 mA	2350	51-4042-00
Bread & Pastries	2700K	92	54	89	96	86	91	350 mA	770	900 mA	2600	1400 mA	3500	51-4045-00

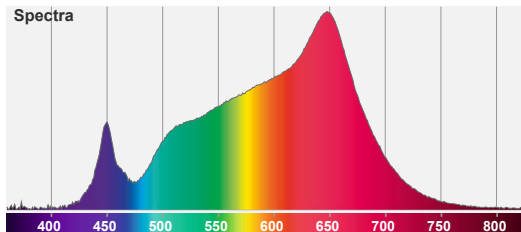
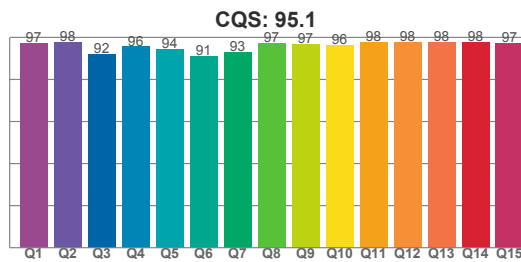
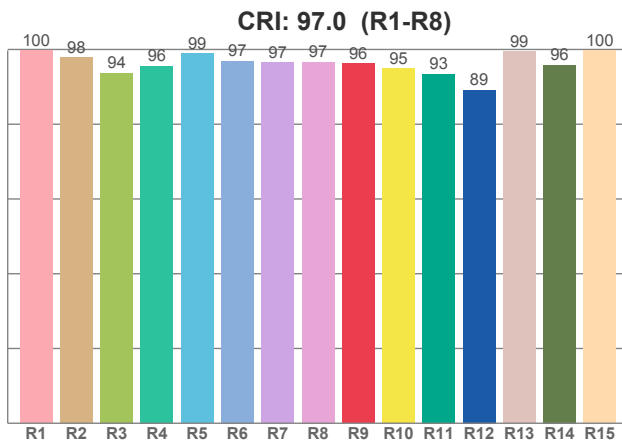


2700K



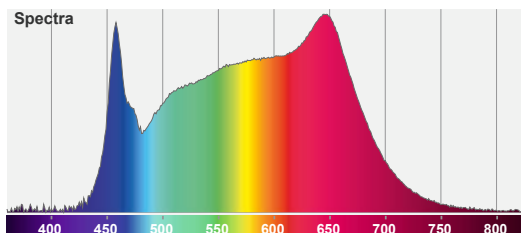
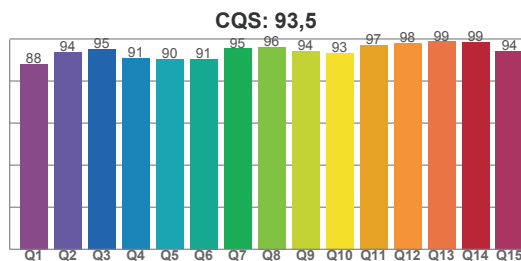
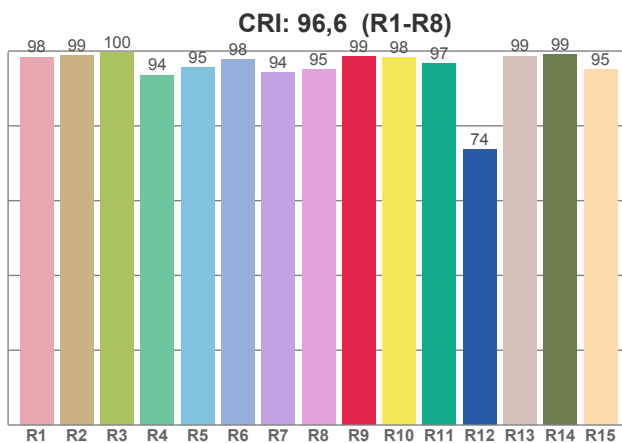
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS
2700K	96.9	92.7	96.0	102.6	94.6

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