

## FEATURES

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

## SPRINGS

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



## COLOURS

Available colours:



Matt white RAL 9016 (XX=MW)  
Matt black RAL 9005 (XX=BL)

# Linea 185 LV

Fixed

## 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
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	A

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



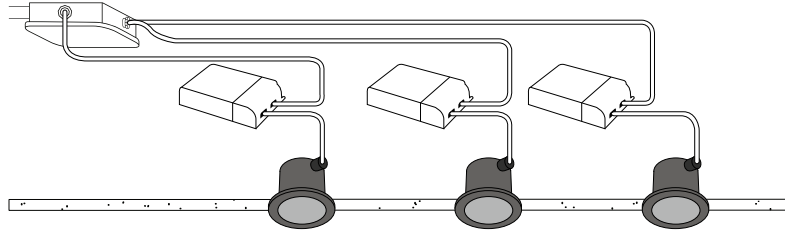
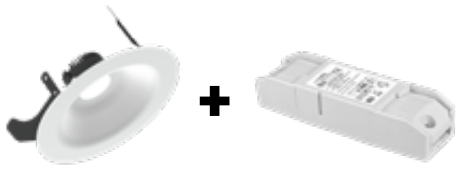
Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20

IP44

## LINEA 185 LV 2700K

Downlight incl. PSU



### ITEM SPECIFICATIONS (PART A)

Description	Item code GS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Linea 185 LV 2700K 1150Lm CRI97 24° No dim	875A03XX2U02	875A03XX9K02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 24° Triac	875A03XX2K02	875A03XX9A02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 24° Dali	875A03XX2L02	875A03XX9B02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 24° Casambi	875A03XX2M02	875A03XX9C02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 60° No dim	875A03XX2V02	875A03XX9L02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 60° Triac	875A03XX2N02	875A03XX9D02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 60° Dali	875A03XX2P02	875A03XX9E02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 60° Casambi	875A03XX2Q02	875A03XX9F02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 80° No dim	875A03XX2W02	875A03XX9M02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 80° Triac	875A03XX2R02	875A03XX9G02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 80° Dali	875A03XX2S02	875A03XX9H02	incl. PSU	220-240V	13,8	1150	83	97
Linea 185 LV 2700K 1150Lm CRI97 80° Casambi	875A03XX2T02	875A03XX9J02	incl. PSU	220-240V	13,8	1150	83	97

### ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	BI6A
Linea 185 LV 2700K 1150Lm CRI97 24° No dim	93	96	103	99	23.1	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 24° Triac	93	96	103	99	23.1	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 24° Dali	93	96	103	99	23.1	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 24° Casambi	93	96	103	99	23.1	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 60° No dim	93	96	103	99	24.0	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 60° Triac	93	96	103	99	24.0	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 60° Dali	93	96	103	99	24.0	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 60° Casambi	93	96	103	99	24.0	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 80° No dim	93	96	103	99	24.5	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 80° Triac	93	96	103	99	24.5	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 80° Dali	93	96	103	99	24.5	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 2700K 1150Lm CRI97 80° Casambi	93	96	103	99	24.5	0.95	<3%	5A 50µS	50 pcs

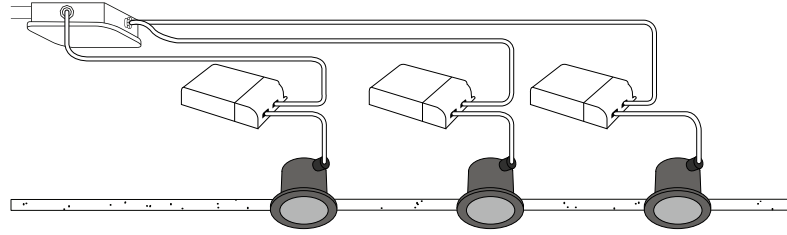
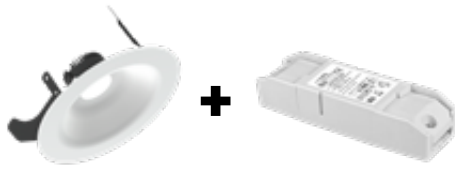
### ITEM SPECIFICATIONS (PART C)

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan (25°C)		
						L70B50	L80B50	L90B50
Linea 185 LV 2700K 1150Lm CRI97 24° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 24° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 24° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 24° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 60° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 60° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 60° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 60° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 80° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 80° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 80° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 2700K 1150Lm CRI97 80° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs

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

## LINEA 185 LV 3000K

Downlight incl. PSU



### ITEM SPECIFICATIONS (PART A)

Description	Item code GS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Linea 185 LV 3000K 1250Lm CRI97 24° No dim	875B03XX2U02	875B03XX9K02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 24° Triac	875B03XX2K02	875B03XX9A02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 24° Dali	875B03XX2L02	875B03XX9B02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 24° Casambi	875B03XX2M02	875B03XX9C02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 60° No dim	875B03XX2V02	875B03XX9L02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 60° Triac	875B03XX2N02	875B03XX9D02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 60° Dali	875B03XX2P02	875B03XX9E02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 60° Casambi	875B03XX2Q02	875B03XX9F02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 80° No dim	875B03XX2W02	875B03XX9M02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 80° Triac	875B03XX2R02	875B03XX9G02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 80° Dali	875B03XX2S02	875B03XX9H02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 3000K 1250Lm CRI97 80° Casambi	875B03XX2T02	875B03XX9J02	incl. PSU	220-240V	13,8	1250	91	97

### ITEM SPECIFICATIONS (PART B)

Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	BI6A
Linea 185 LV 3000K 1250Lm CRI97 24° No dim	96	95	103	100	23.1	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 24° Triac	96	95	103	100	23.1	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 24° Dali	96	95	103	100	23.1	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 24° Casambi	96	95	103	100	23.1	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 60° No dim	96	95	103	100	24.0	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 60° Triac	96	95	103	100	24.0	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 60° Dali	96	95	103	100	24.0	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 60° Casambi	96	95	103	100	24.0	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 80° No dim	96	95	103	100	24.5	0.95	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 80° Triac	96	95	103	100	24.5	0.95	<3%	2A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 80° Dali	96	95	103	100	24.5	0.92	<3%	5A 50µS	50 pcs
Linea 185 LV 3000K 1250Lm CRI97 80° Casambi	96	95	103	100	24.5	0.95	<3%	5A 50µS	50 pcs

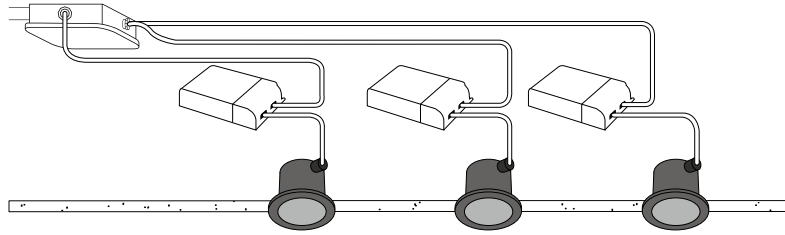
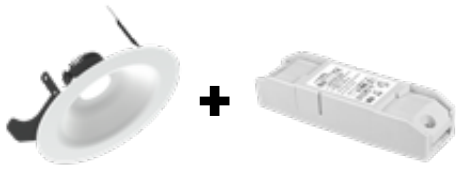
### ITEM SPECIFICATIONS (PART C)

Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan (25°C)		
						L70B50	L80B50	L90B50
Linea 185 LV 3000K 1250Lm CRI97 24° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 24° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 24° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 24° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 60° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 60° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 60° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 60° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 80° No dim	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 80° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 80° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 3000K 1250Lm CRI97 80° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs

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

## LINEA 185 LV 1800-3000K

Downlight incl. PSU



### ITEM SPECIFICATIONS (PART A)

Description	Item code GS	Item code WS	Extra	Input	W	Lm	Lm/W	CRI (typ.)
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Triac	875E03XX2K02	875E03XX9A02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Dali	875E03XX2L02	875E03XX9B02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Casambi	875E03XX2M02	875E03XX9C02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Triac	875E03XX2N02	875E03XX9D02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Dali	875E03XX2P02	875E03XX9E02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Casambi	875E03XX2Q02	875E03XX9F02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Triac	875E03XX2R02	875E03XX9G02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Dali	875E03XX2S02	875E03XX9H02	incl. PSU	220-240V	13,8	1250	91	97
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Casambi	875E03XX2T02	875E03XX9J02	incl. PSU	220-240V	13,8	1250	91	97

### ITEM SPECIFICATIONS (PART B)

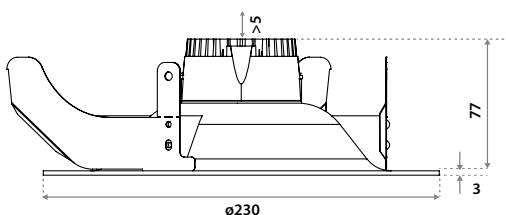
Description	R9	Rf	Rg	R15	UGR	Pf	Ripple	Inrush	B16A
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Triac	96	95	103	100	23.1	0.95	<3%	2A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Dali	96	95	103	100	23.1	0.92	<3%	5A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Casambi	97	95	103	99	23.1	0.95	<3%	5A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Triac	97	95	103	99	24.0	0.95	<3%	2A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Dali	97	95	103	99	24.0	0.92	<3%	5A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Casambi	97	95	103	99	24.0	0.95	<3%	5A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Triac	97	95	103	99	24.5	0.95	<3%	2A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Dali	97	95	103	99	24.5	0.92	<3%	5A 50µs	50 pcs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Casambi	97	95	103	99	24.5	0.95	<3%	5A 50µs	50 pcs

### ITEM SPECIFICATIONS (PART C)

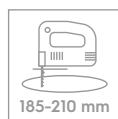
Description	Safety class	Energy class	Weight	Dimensions single carton	Quantity per carton	Expected lifespan (25°C)		
						L70B50	L80B50	L90B50
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 24° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 60° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Triac	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Dali	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs
Linea 185 LV 1800-3000K 1250Lm CRI95 80° Casambi	II	A	880 gr	233x233x85 mm	20 pcs	>70.000 hrs	>70.000 hrs	>37.000 hrs

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

### DIMENSIONS

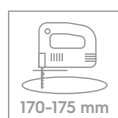


### HOLE SIZE



#### GS springs (concrete/gyproc) for 5-60mm material thickness

GS springs are ideally suited for quick mounting in hard ceiling tiles without support plates. GS springs do normally come with (larger) Linea luminaires only. Turning the luminaire anti-clockwise fixes it extra tightly in the tile.



#### WS springs (gyproc/metal) for 1-40mm material thickness

WS springs are traditional springs that are eminently suited for soft ceiling tiles in combination with support plates (that cannot be taken out of the ceiling). WS springs are not suitable for concrete ceilings and soft ceiling tiles without support plates.

## 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<sub>g</sub> = 92



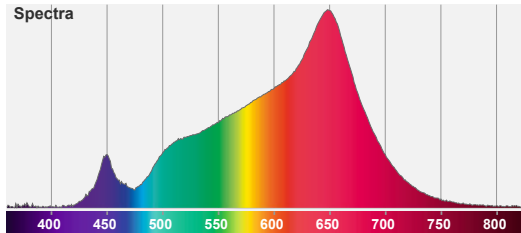
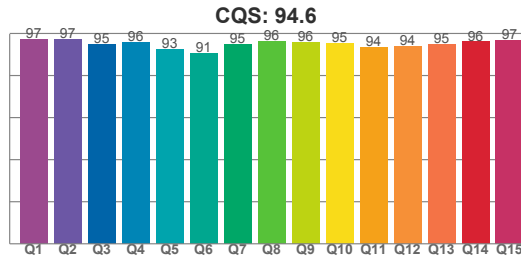
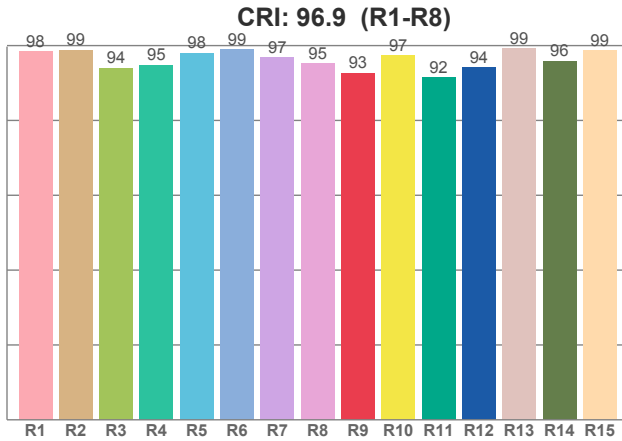
### Red-Enhanced

CRI = 98 / R<sub>g</sub> = 103

## SPECIAL LEDS AVAILABLE

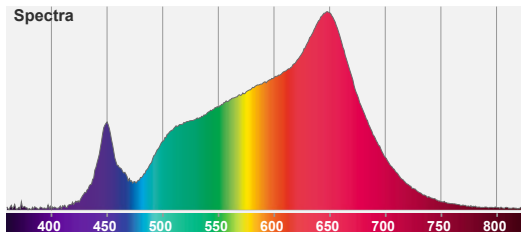
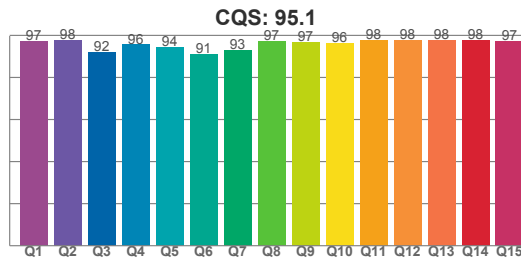
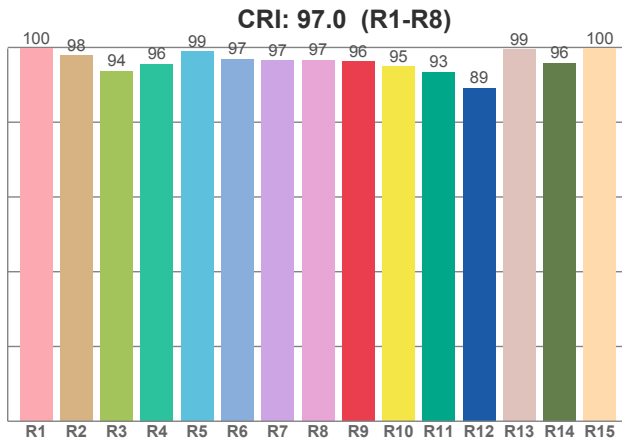
75/90 LV	CCT	CRI	R9	Rf	Rg	R15	TLCI	mA	Lm	W	Lm/W
Standard CRI97	2700K	97	93	96	103	99	97	350 mA	1150	13,8	83
Standard CRI97	3000K	97	96	95	103	100	97	350 mA	1250	13,8	91
CRI80	2700K	82	5	82	92	75	69	250 mA	1000	9,8	102
CRI80	2700K	82	5	82	92	75	69	350 mA	1350	13,8	98
CRI80	3000K	82	5	81	93	75	66	250 mA	1100	9,8	112
CRI80	3000K	82	5	81	93	75	66	350 mA	1400	13,8	101
CRI80	4000K	82	5	81	93	74	66	250 mA	1150	9,8	117
CRI80	4000K	82	5	81	93	74	66	350 mA	1500	13,8	109
CrispWhite	3000K	90	61	87	102	89	83	350 mA	780	13,8	57
CrispColor	2700K	94	96	93	106	95	93	350 mA	780	13,8	57
CrispColor	3000K	91	93	91	103	96	96	350 mA	825	13,8	60
CrispColor	3250K	93	95	90	101	96	97	350 mA	870	13,8	63
CrispColor	3500K	95	96	91	102	95	96	350 mA	880	13,8	64
CrispColor	4000K	95	96	90	101	95	96	350 mA	1050	13,8	76
CrispColor	5000K	95	96	88	99	94	95	350 mA	850	13,8	62
AtmoSphere	2200K	92	55	90	99	87	88	350 mA	780	13,8	57
Bread & Pastries	2700K	92	54	89	96	86	91	350 mA	770	13,8	56
Produce	3000K	91	93	91	103	96	96	350 mA	725	13,8	53
Red Meat	1800K	82	81	77	119	95	60	350 mA	515	13,8	37
Marbled Meat	3000K	63	32	78	115	46	72	350 mA	475	13,8	34
Fish	6500K	96	96	89	98	94	96	350 mA	825	13,8	60

## 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