

FEATURES

- Reliable solution without power supply
- Smooth flicker-free dimming to 0,1%
- Practically no inrush current
- Warm dim version available



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	

Vector 145 LV

Surface mounted

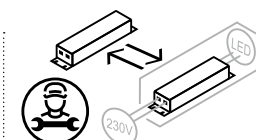
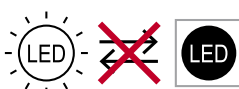
SPECIFICATIONS

Beam angle (FWHM)	18° / 37° / 60° (80° on request)
Fixture material	Die cast aluminium / Glass
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)
Energy class	These products contains a light source of energy efficiency class F (CRI97 2700K/3000K) / E (CRI97 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

Vector 145 LV 2700K CRI97 1625LM	page 3
Vector 145 LV 3000K CRI97 1800LM	page 4
Vector 145 LV 4000K CRI97 1925LM	page 5

CRI97 CHOOSE YOUR LV LUMEN OUTPUT

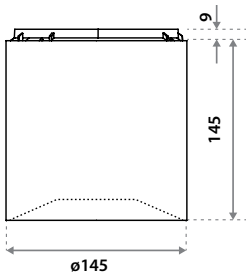
	mA	W	Lumen Output			Lumen / Watt			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	No dim	Triac	1-10V&Push	Dali	Casambi
Special request	125	5,0	475	500	525	95	100	105	x	x	x	x	x
Special request	150	6,1	550	575	625	91	95	103	x	x	x	x	x
Special request	200	8,1	700	750	825	86	93	102	x	x	x	x	x
Special request	250	9,8	850	900	1000	87	92	102	x	x	x	127576	x
Special request	300	12,0	1050	1100	1200	88	92	100	x	x	125400	127576	x
Special request	350	13,8	1150	1250	1350	83	91	98	122198	127030	125400	127576	x
Special request	400	15,8	1300	1425	1550	82	90	98	x	x	125400	127576	x
Special request	450	18,0	1475	1600	1750	82	89	97	x	x	125400	127576	x
Standard	500	20,1	1625	1800	1925	81	89	96	122198	x	125400	123403 ¹	x

CRI80 ON REQUEST

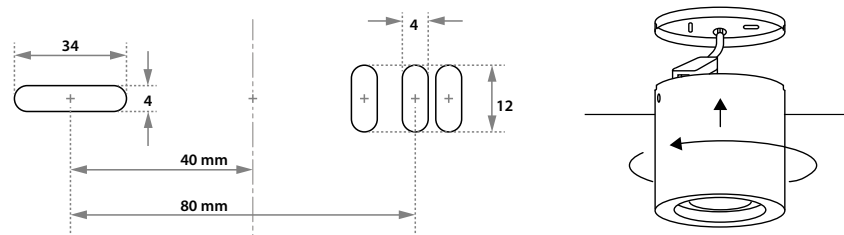
	mA	W	Lumen Output			Lumen / Watt			Driver types				
			2700K	3000K	4000K	2700K	3000K	4000K	No dim	Triac	1-10V&Push	Dali	Casambi
Special request	125	5,0	575	625	650	115	125	130	x	x	x	x	x
Special request	150	6,1	700	750	775	115	123	128	x	x	x	x	x
Special request	200	8,1	925	975	1025	114	120	127	x	x	x	x	x
Special request	250	9,8	1125	1175	1225	115	120	125	x	x	x	127576	x
Special request	300	12,0	1350	1425	1500	113	119	125	x	x	125400	127576	x
Special request	350	13,8	1550	1625	1700	112	118	123	122198	127030	125400	127576	x
Special request	400	15,8	1775	1850	1925	112	117	122	x	x	125400	127576	x
Special request	450	18,0	1950	2025	2100	108	113	117	x	x	125400	127576	x
Special request	500	20,1	2175	2250	2325	108	112	116	122198	x	125400	123403 ¹	x

¹ For other current settings check the TCI website or ask our sales department.

DIMENSIONS



FIXATION DIMENSIONS



VECTOR 145 LV

CRI97 1625LM

ITEM SPECIFICATIONS (PART A)

Description	18°		37°		60°		80°		Type	mA	Vf
	Item code	UGR	Item code	UGR	Item code	UGR	Item code	UGR			
Vector 145 LV 1625Lm 2700K No dim*	7D1B03XXA102	11.5	7D1B03XXA402	11.5	7D1B03XXA702	14.6	7D1B03XX0H02	21.4	Incl. PSU	500	35,3
Vector 145 LV 1625Lm 2700K 1-10V & Push	7D1B03XXD102	11.5	7D1B03XXD402	11.5	7D1B03XXD702	14.6	7D1B03XX0L02	21.4	Incl. PSU	500	35,3
Vector 145 LV 1625Lm 2700K Dali	7D1B03XXI102	11.5	7D1B03XXI1P02	11.5	7D1B03XXI1S02	14.6	7D1B03XX0P02	21.4	Incl. PSU	500	35,3

ITEM SPECIFICATIONS (PART B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vector 145 LV 1625Lm 2700K No dim*	20,1	1625	81	97	0.95	<20%	2A 50µS	50 pcs	II	F
Vector 145 LV 1625Lm 2700K 1-10V & Push	20,1	1625	81	97	0.95	<3%	5A 50µS	50 pcs	II	F
Vector 145 LV 1625Lm 2700K Dali	20,1	1625	81	97	0.95	<3%	5A 50µS	50 pcs	II	F

ITEM SPECIFICATIONS (PART C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
				L70B10	L80B10	L90B10
Vector 145 LV 1625Lm 2700K	1200 gr	185x185x160 mm	12 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%). *Triac and casambi versions on request

VECTOR 145 LV

CRI97 1800LM

ITEM SPECIFICATIONS (PART A)

Description	18°		37°		60°		80°		Type	mA	Vf
	Item code	UGR	Item code	UGR	Item code	UGR	Item code	UGR			
Vector 145 LV 1800Lm 3000K No dim*	7D1B03XXA202	11.9	7D1B03XXA502	11.8	7D1B03XXA802	15.8	7D1B03XX0J02	21.7	Incl. PSU	500	35,3
Vector 145 LV 1800Lm 3000K 1-10V & Push	7D1B03XXD202	11.9	7D1B03XXD502	11.8	7D1B03XXD802	15.8	7D1B03XX0M02	21.7	Incl. PSU	500	35,3
Vector 145 LV 1800Lm 3000K Dali	7D1B03XXIM02	11.9	7D1B03XXIQ02	11.8	7D1B03XXIT02	15.8	7D1B03XXOQ02	21.7	Incl. PSU	500	35,3

ITEM SPECIFICATIONS (PART B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vector 145 LV 1800Lm 3000K No dim*	20,1	1800	81	97	0.95	<20%	2A 50µS	50 pcs	II	F
Vector 145 LV 1800Lm 3000K 1-10V & Push	20,1	1800	81	97	0.95	<3%	5A 50µS	50 pcs	II	F
Vector 145 LV 1800Lm 3000K Dali	20,1	1800	81	97	0.95	<3%	5A 50µS	50 pcs	II	F

ITEM SPECIFICATIONS (PART C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
				L70B10	L80B10	L90B10
Vector 145 LV 1800Lm 3000K	1200 gr	185x185x160 mm	12 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%). *Triac and casambi versions on request

VECTOR 145 LV

CRI97 1925LM

ITEM SPECIFICATIONS (PART A)

Description	18°		37°		60°		80°		Type	mA	Vf
	Item code	UGR	Item code	UGR	Item code	UGR	Item code	UGR			
Vector 145 LV 1925Lm 4000K No dim*	7D1B03XXA302	12.1	7D1B03XXA602	12.0	7D1B03XXA902	15.2	7D1B03XX0K02	22.0	Incl. PSU	500	35,3
Vector 145 LV 1925Lm 4000K 1-10V & Push	7D1B03XXD302	12.1	7D1B03XXD602	12.0	7D1B03XXD902	15.2	7D1B03XX0N02	22.0	Incl. PSU	500	35,3
Vector 145 LV 1925Lm 4000K Dali	7D1B03XXIN02	12.1	7D1B03XX1R02	12.0	7D1B03XXIU02	15.2	7D1B03XXOR02	22.0	Incl. PSU	500	35,3

ITEM SPECIFICATIONS (PART B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vector 145 LV 1925Lm 4000K No dim*	20,1	1925	81	97	0.95	<20%	2A 50µS	50 pcs	II	E
Vector 145 LV 1925Lm 4000K 1-10V & Push	20,1	1925	81	97	0.95	<3%	5A 50µS	50 pcs	II	E
Vector 145 LV 1925Lm 4000K Dali	20,1	1925	81	97	0.95	<3%	5A 50µS	50 pcs	II	E

ITEM SPECIFICATIONS (PART C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected lifespan B10 reported (25°C)		
				L70B10	L80B10	L90B10
Vector 145 LV 1925Lm 4000K	1200 gr	185x185x160 mm	12 pcs	>60.500 hrs	>60.500 hrs	>60.500 hrs

All values are measured at 230V (+/- 7%). *Triac and casambi versions on request

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



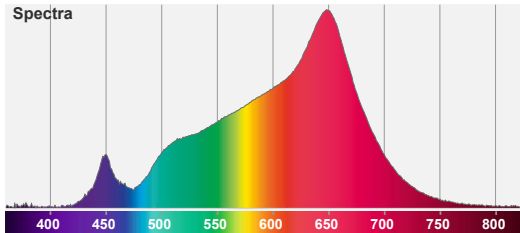
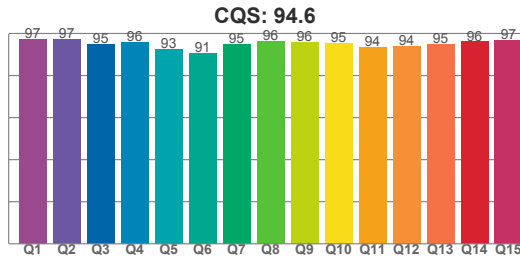
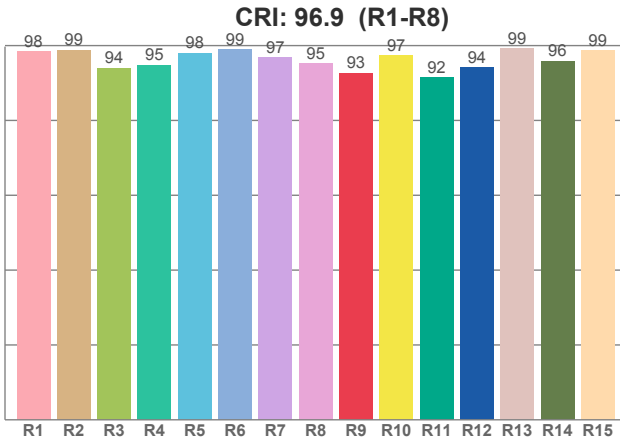
Red-Enhanced

CRI = 98 / R_g = 103

SPECIAL LEDS AVAILABLE

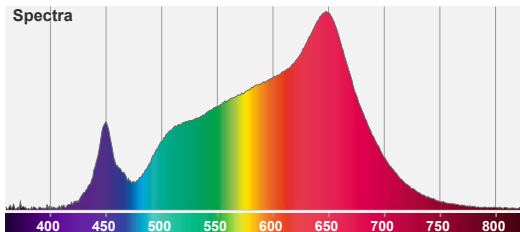
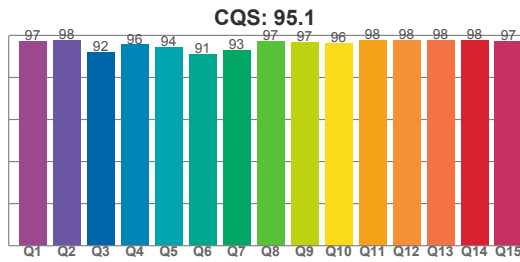
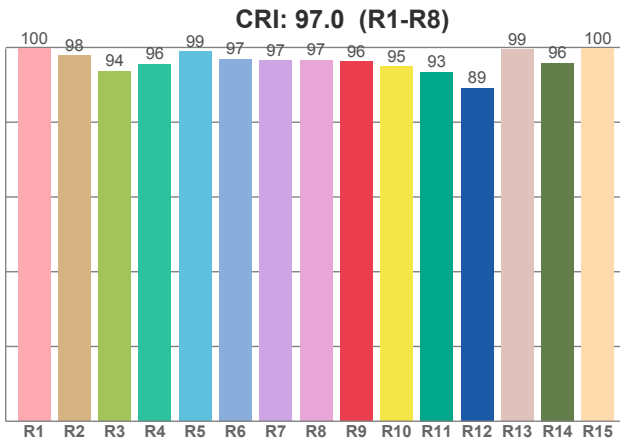
	CCT	CRI	R9	RF	RG	R15	TLCI	SPECIAL REQUEST		STANDARD		ITEM CODE
								MA	LM	MA	LM	
CRI80	2700K	82	5	82	92	75	69	350 mA	1550	500 mA	2175	51-4028-27-1
CRI80	3000K	82	5	81	93	75	66	350 mA	1625	500 mA	2250	51-4028-30-1
CRI80	4000K	82	5	81	93	74	66	350 mA	1700	500 mA	2325	51-4028-40-1
CRI97	2700K	97	93	96	103	99	97	350 mA	1150	500 mA	1625	50-3031-27
CRI97	3000K	97	96	95	103	100	97	350 mA	1250	500 mA	1800	50-3031-30
CRI97	4000K	97	96	95	103	100	97	350 mA	1350	500 mA	1925	50-3031-40
CrispWhite	3000K	90	61	87	102	89	83	350 mA	780	500 mA	1015	51-4029-30
Red Meat	1800K	82	81	77	119	95	60	350 mA	515	500 mA	735	51-4042-00
Bread & Pastries	2700K	92	54	89	96	86	91	350 mA	770	500 mA	1100	51-4045-00

2700K



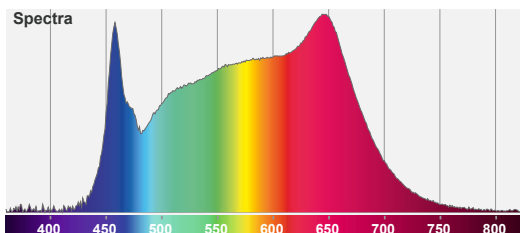
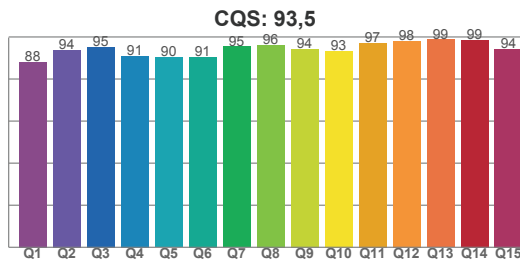
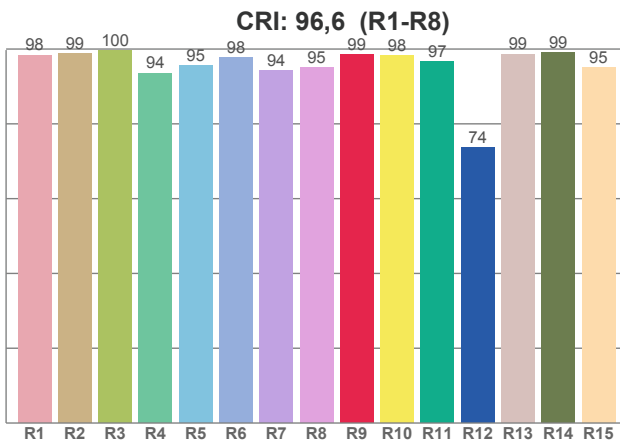
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS
2700K	96.9	92.7	96.0	102.6	94.6

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