



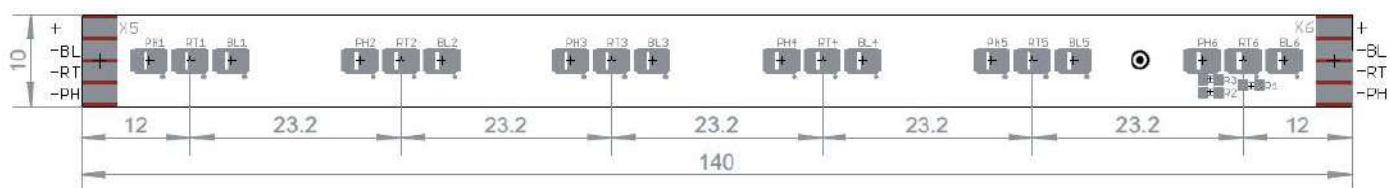
LED Strip

PI-LED SERIES

- Constant luminous flux over colour temperature
- High efficiencies and thermal stability
- Flexible powering and length setup possible
- Small colour tolerance (MacAdam 2)
- Dimmable 24 V DC
- Luminous flux range: 300 - 2400 lm
- Efficacy up to 136 lm/W
- Long life-time up to 50.000 hours

APPLICATION

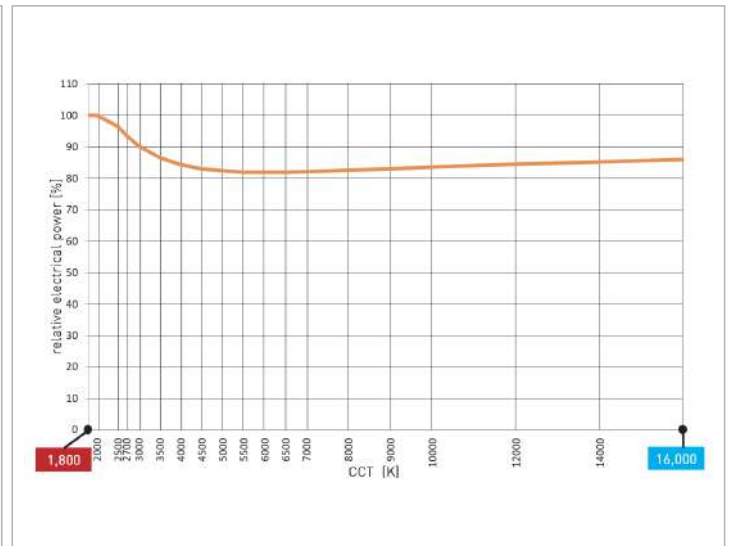
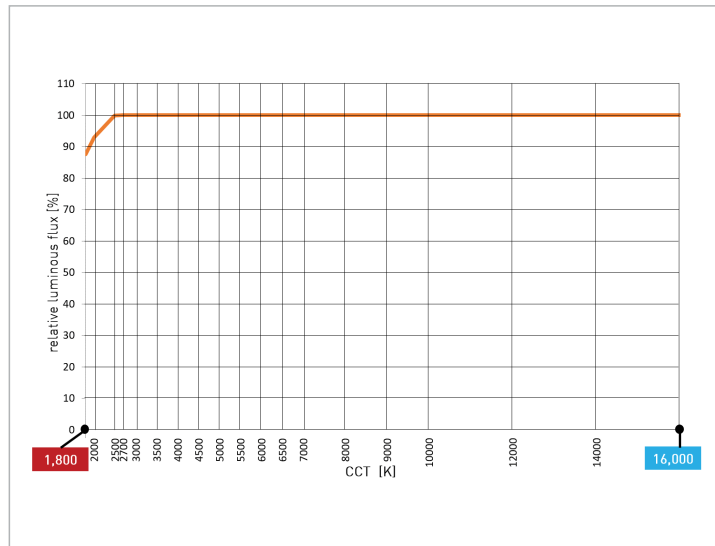
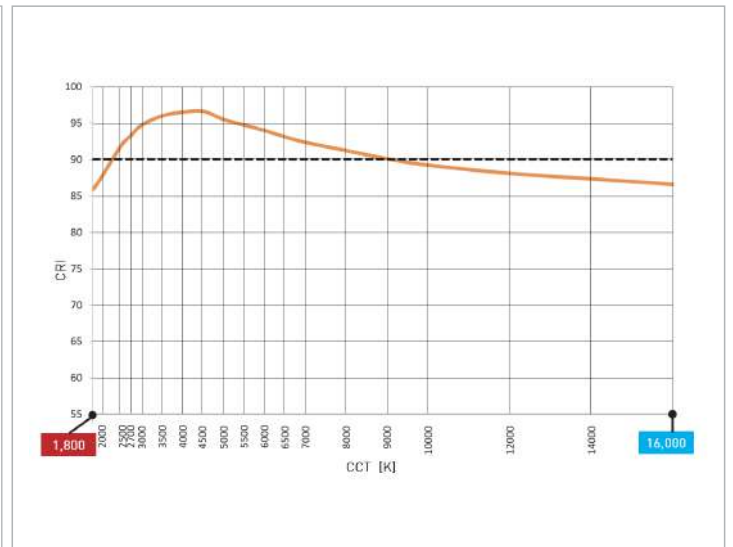
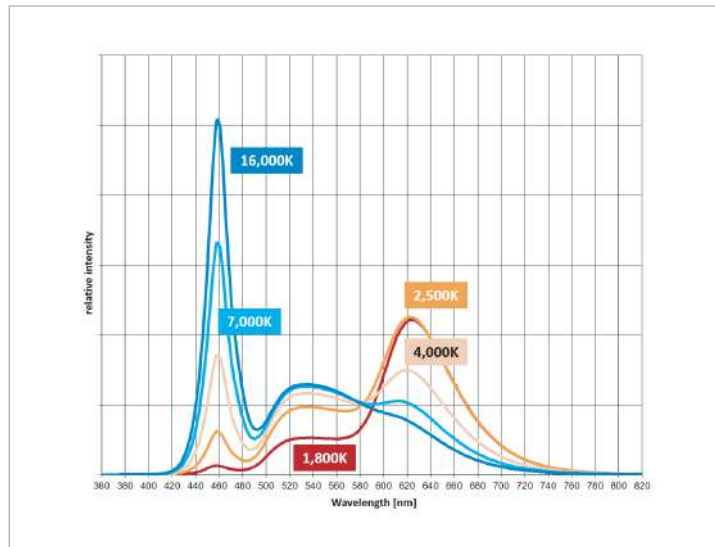
High End Grocery & Supermarkets | Fashion Retailers | Hospitality | Art & Exhibitions | Hospitality | DIY



SPECIFICATIONS

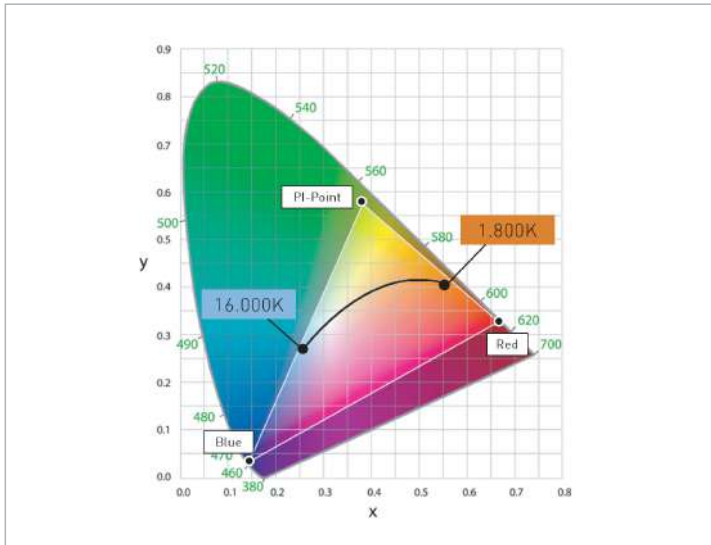
No. of segments	2 segments (min.)	16 segments (max.)
Luminous source	LED Flex Tape with SMD assembly	
Supply voltage	24V DC	
Typ. power	2.2 W	17.6 W
Typ. luminous flux	300 lm	2400 lm
Typ. efficiency per PI-LED system	136 lm / W	136 lm / W
Control mode	DALI DT8	
Dimmable	1% - 100%	
CCT and colour control	1,800 - 16,000K / adjustable CIE-xy-colours and RGB colours	
Ambient temperature	+10°C ... +45°C	
Storage temperature	-20°C ... +80°C	
tc, max LED module / tc, max LMU	+75°C / +85°C	
Lifetime	L80/B10@ 50.000h	
Type of protection	IP20 / IP55	
Additional features	Low tolerance for colour temperature (max. MacAdam 2)	

PHOTOMETRICAL PROPERTIES / VISUAL DATA AND DATA FOR MELANOPIC LIGHT DESIGN

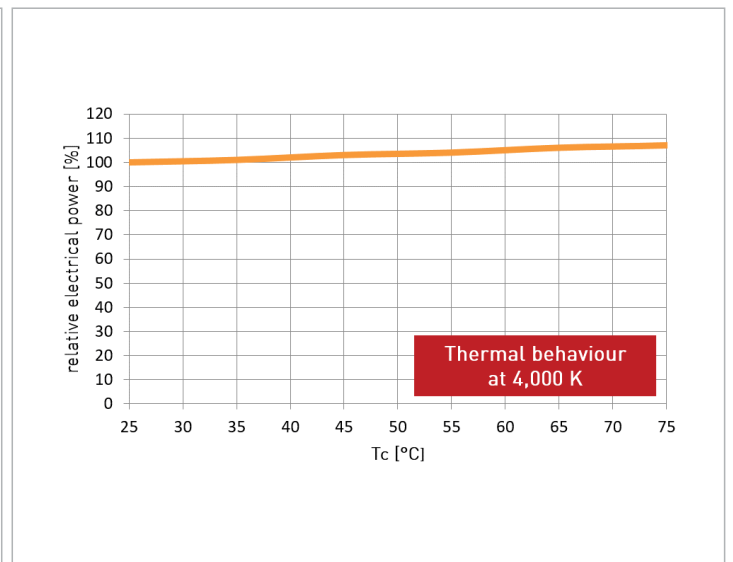
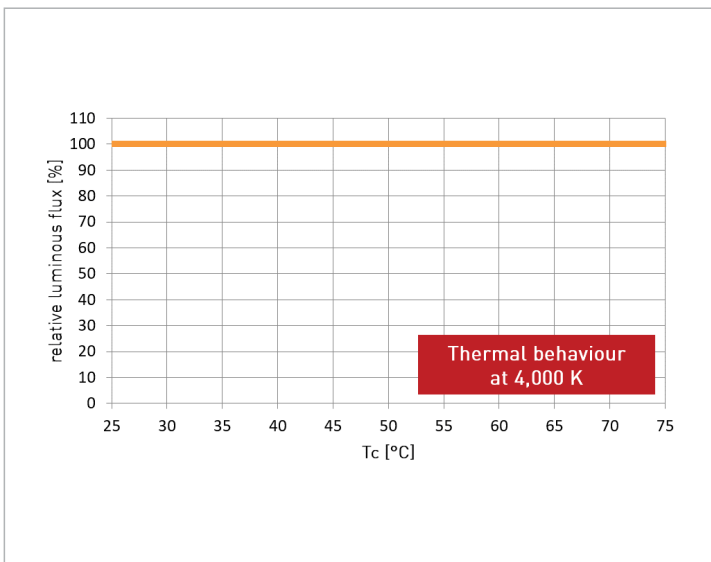


CCT [K]	general data			visual data (exemplary for a PI-LED TAPE SYSTEM with 8 segments)		melanopic values (relevant for melanopic light design)			
	CRI	CIE-x	CIE-y	luminous flux [lm]	efficiency [lm/W]	alpha (smel)	alpha (smel) x correction factor 1.103	luminous flux (smel, d65) in %	efficiency (smel, d65) in lm/W
1,800	85.9	0.5492	0.4082	2,112 / 88%	105	0.256	0.282	25	30
2,000	87.5	0.5268	0.4133	2,240 / 93%	112	0.300	0.331	31	37
2,500	92.0	0.4770	0.4137	2,400 / 100%	124	0.399	0.440	44	55
2,700	93.1	0.4599	0.4106	2,400 / 100%	128	0.436	0.481	48	62
3,000	94.8	0.4369	0.4041	2,400 / 100%	133	0.488	0.538	54	72
3,500	96.0	0.4053	0.3907	2,400 / 100%	139	0.567	0.624	63	87
4,000	96.5	0.3804	0.3767	2,400 / 100%	142	0.638	0.704	70	100
4,500	96.6	0.3608	0.3635	2,400 / 100%	144	0.701	0.773	77	112
5,000	95.5	0.3451	0.3516	2,400 / 100%	146	0.757	0.835	84	122
5,500	94.8	0.3324	0.3410	2,400 / 100%	146	0.807	0.890	89	130
6,000	94.0	0.3221	0.3318	2,400 / 100%	147	0.852	0.940	94	138
6,500	93.1	0.3135	0.3236	2,400 / 100%	146	0.892	0.984	98	144
7,000	92.4	0.3064	0.3165	2,400 / 100%	146	0.928	1.023	102	150
8,000	91.3	0.2952	0.3048	2,400 / 100%	145	0.989	1.090	109	159
9,000	90.1	0.2869	0.2956	2,400 / 100%	144	1.038	1.145	115	165
10,000	89.3	0.2806	0.2883	2,400 / 100%	144	1.079	1.191	119	171
12,000	88.1	0.2718	0.2776	2,400 / 100%	142	1.142	1.259	126	179
14,000	87.4	0.2659	0.2702	2,400 / 100%	141	1.188	1.310	131	184
16,000	86.6	0.2618	0.2648	2,400 / 100%	140	1.222	1.348	135	188

COORDINATES AND TOLERANCES ACCORDING TO CIE 1931



Representable PI-LED colour space in the CIE 1931 system. If a colour point outside of the triangle (PI-LED colour space) is set, the closest colour point within the triangle is referenced.



SKU SPECIFICATIONS

Product Code	Cable [mm]	Lumens [lm]	Voltage [V DC]	Power typ./max [W]	Number of segments
CRI90					
1E1000 LED Strip PI-LED/IP20/300LM/280mm/2.2W/DALI DT8/700mm	700	300	24	2.2 / 2.6	2
1E1001 LED Strip PI-LED/IP20/450LM/420mm/3.3W/DALI DT8/700mm	700	450	24	3.3 / 3.9	3
1E1002 LED Strip PI-LED/IP20/600LM/560mm/4.4W/DALI DT8/700mm	700	600	24	4.4 / 5.2	4
1E1003 LED Strip PI-LED/IP20/750LM/700mm/5.5W/DALI DT8/700mm	700	750	24	5.5 / 6.5	5
1E1004 LED Strip PI-LED/IP20/900LM/840mm/6.6W/DALI DT8/700mm	700	900	24	6.6 / 7.8	6
1E1005 LED Strip PI-LED/IP20/1050LM/980mm/7.7W/DALI DT8 /700mm	700	1050	24	7.7 / 9.1	7
1E1006 LED Strip PI-LED/IP20/1200LM/1120mm/8.8W/DALI DT8/700mm	700	1200	24	8.8 / 10.4	8
1E1007 LED Strip PI-LED/IP20/1350LM/1260mm/9.9W/DALI DT8/700mm	700	1350	24	9.9 / 11.7	9
1E1008 LED Strip PI-LED/IP20/1500LM/1400mm/11W/DALI DT8/700mm	700	1500	24	11.0 / 13.0	10
1E1009 LED Strip PI-LED/IP20/1650LM/1540mm/12.1W/DALI DT8/700mm	700	1650	24	12.1 / 14.3	11
1E1010 LED Strip PI-LED/IP20/1800LM/1680mm/13.2W/DALI DT8/700mm	700	1800	24	13.2 / 15.6	12
1E1011 LED Strip PI-LED/IP20/1950LM/1820mm/14.3W/DALI DT8/700mm	700	1950	24	14.3 / 16.9	13
1E1012 LED Strip PI-LED/IP20/2100LM/1960mm/15.4W/DALI DT8/700mm	700	2100	24	15.4 / 18.2	14
1E1013 LED Strip PI-LED/IP20/2250LM/2100mm/16.5W/DALI DT8/700mm	700	2250	24	16.5 / 19.5	15
1E1014 LED Strip PI-LED/IP20/2400LM/2240mm/17.6W/DALI DT8/700mm	700	2400	24	17.6 / 20.8	16
1E1015 LED Strip PI-LED/IP55/300LM/280mm/2.2W/DALI DT8/700mm	700	300	24	2.2 / 2.6	2
1E1016 LED Strip PI-LED/IP55/450LM/420mm/3.3W/DALI DT8/700mm	700	450	24	3.3 / 3.9	3
1E1017 LED Strip PI-LED/IP55/600LM/560mm/4.4W/DALI DT8/700mm	700	600	24	4.4 / 5.2	4
1E1018 LED Strip PI-LED/IP55/750LM/700mm/5.5W/DALI DT8/700mm	700	750	24	5.5 / 6.5	5
1E1019 LED Strip PI-LED/IP55/900LM/840mm/6.6W/DALI DT8/700mm	700	900	24	6.6 / 7.8	6
1E1020 LED Strip PI-LED/IP55/1050LM/980mm/7.7W/DALI DT8/700mm	700	1050	24	7.7 / 9.1	7
1E1021 LED Strip PI-LED/IP55/1200LM/1120mm/8.8W/DALI DT8/700mm	700	1200	24	8.8 / 10.4	8
1E1022 LED Strip PI-LED/IP55/1350LM/1260mm/9.9W/DALI DT8/700mm	700	1350	24	9.9 / 11.7	9
1E1023 LED Strip PI-LED/IP55/1500LM/1400mm/11W/DALI DT8/700mm	700	1500	24	11.0 / 13.0	10
1E1024 LED Strip PI-LED/IP55/1650LM/1540mm/12.1W/DALI DT8/700mm	700	1650	24	12.1 / 14.3	11
1E1025 LED Strip PI-LED/IP55/1800LM/1680mm/13.2W/DALI DT8/700mm	700	1800	24	13.2 / 15.6	12
1E1026 LED Strip PI-LED/IP55/1950LM/1820mm/14.3W/DALI DT8/700mm	700	1950	24	14.3 / 16.9	13
1E1027 LED Strip PI-LED/IP55/2100LM/1960mm/15.4W/DALI DT8/700mm	700	2100	24	15.4 / 18.2	14
1E1028 LED Strip PI-LED/IP55/2250LM/2100mm/16.5W/DALI DT8/700mm	700	2250	24	16.5 / 19.5	15
1E1029 LED Strip PI-LED/IP55/2400LM/2240mm/17.6W/DALI DT8/700mm	700	2400	24	17.6 / 20.8	16