



+19%
Perceptible increase in performance

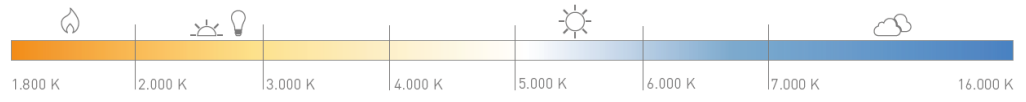
+27%
Stable health

+28%
Greater vitality throughout the day

+37%
Improved concentration

Microprismatic optic

PI-LED® FLAT PANEL



- Tunable white**
1,800K - 16,000K
- Brightness dimmable**
CCT/CIE-xy: 5-100% | RGB: 0-100%
- RGB/CIE-xy adjustable**
Colour points and sequences
- Biorhythmic lighting**
Vitalisation and recreation
- 2 Control modes**
DALI DT8, NeoLink
- Excellent CRI**
CRI > 90

TECHNICAL DATA

Luminous source	PI-LED Edge Light Modules (edge injection)
Supply voltage	230 V AC
Typ. power	50 W
Luminous flux	4,100 lm
CRI	95
Efficiency	82 lm/W
Control mode	NeoLink, DALI DT8
Dimmable	RGB: 0% - 100% / CCT and CIE-xy: 5% - 100%
CCT and colour control	1,800 - 16,000K* / adjustable CIE-xy-colours and RGB colours
Tests / approvals	CE / RoHs conformity
Dimensions	620 mm x 620 mm x 48 mm (with driver box on backplate)
	595 mm x 595 mm x 48 mm (with driver box on backplate)
	14 mm frame height
Weight	6.8 kg (including packaging)
Lifetime	50,000h L80B10
Protection class and type	I / IP20
Mounting	recessed / surface mounted / suspended

*CCT values outside the range 2,500-7,000K can be set in the CIE-xy mode



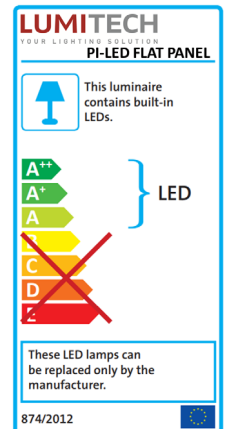
PI-LED® FLAT PANEL

ORDERING DATA AND TECHNICAL DATA - PI-LED FLAT PANEL

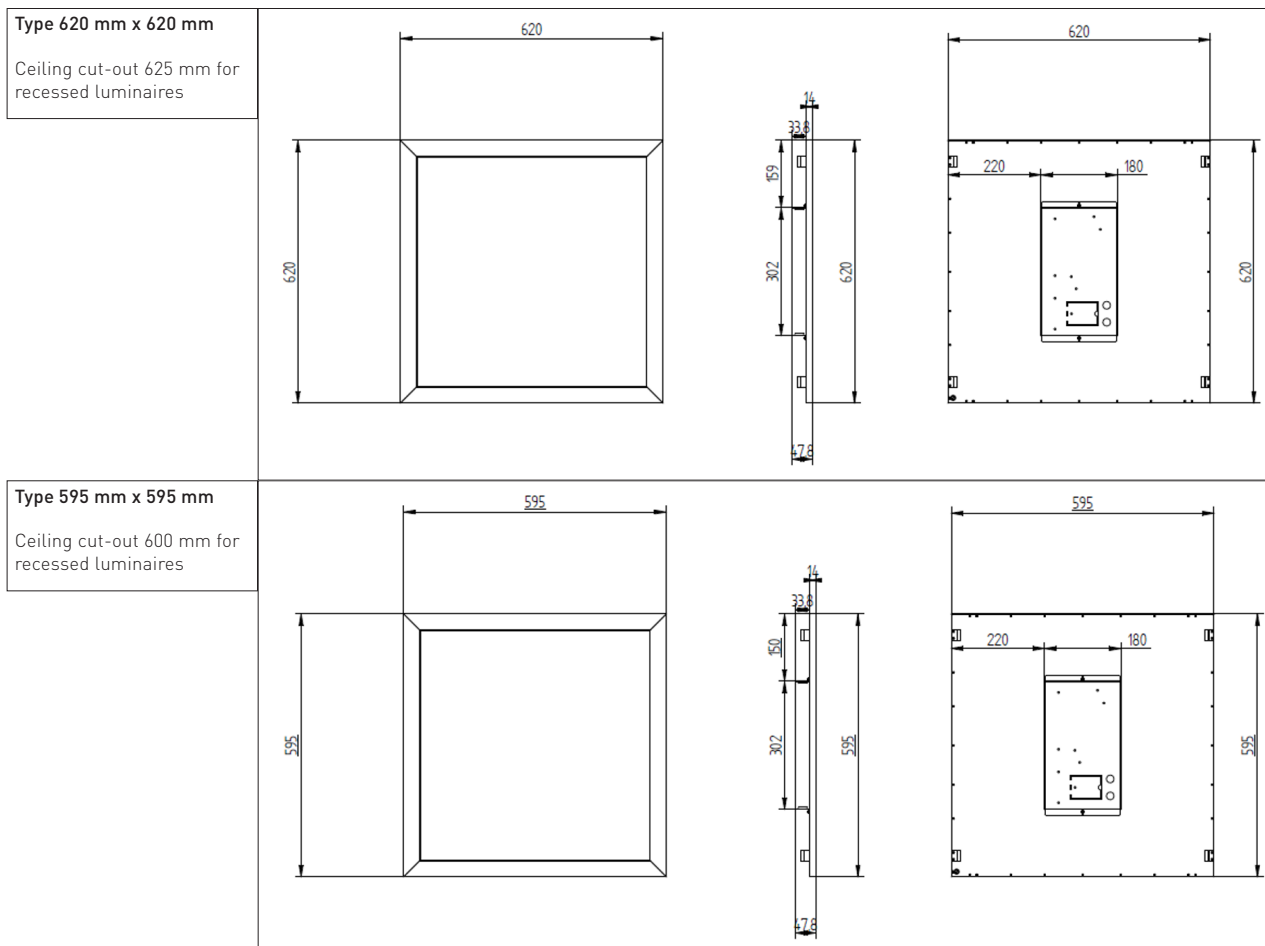
Type	Description	Control mode	Dimensions
PI-LED-Panel-595-MP-W-DA	PI-LED Flat Panel / DALI DT8 / 595x595mm / White	DALI DT8	595mm x 595mm
PI-LED-Panel-595-MP-W-NL	PI-LED Flat Panel / NeoLink / 595x595mm / White	NeoLink	595mm x 595mm
PI-LED-Panel-620-MP-W-DA	PI-LED Flat Panel / DALI DT8 / 620x620mm / White	DALI DT8	620mm x 620mm
PI-LED-Panel-620-MP-W-NL	PI-LED Flat Panel / NeoLink / 620x620mm / White	NeoLink	620mm x 620mm

ORDERING DATA AND TECHNICAL DATA - Accessories

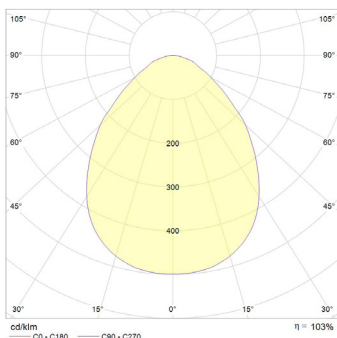
Type	Description
LTX-1751-00-00	Pendant Cord
LTX-1751-00-01	Mounting clips
LTX-1751-00-02	Mounting frame 595
LTX-1751-00-03	Mounting frame 620



DIMENSIONS



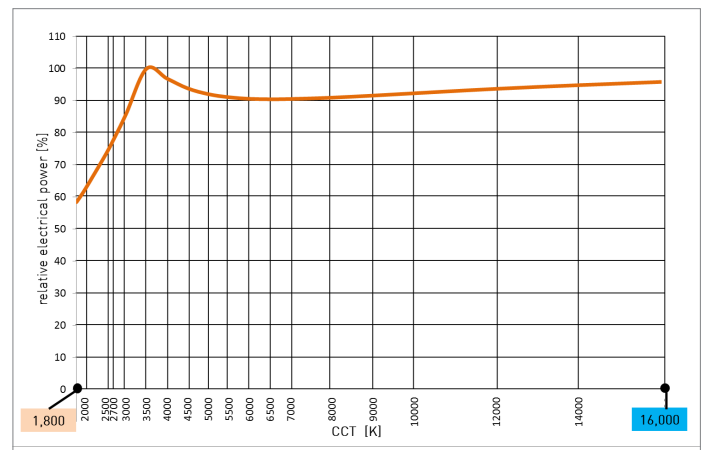
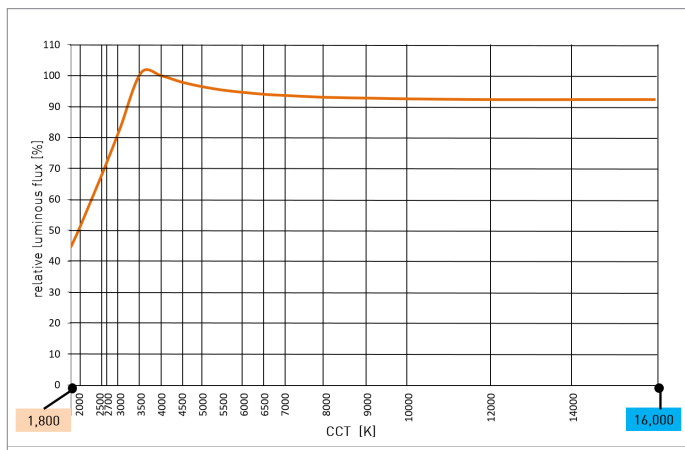
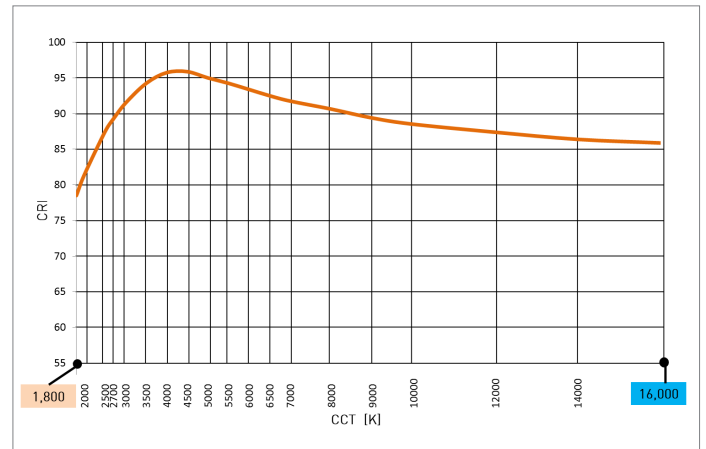
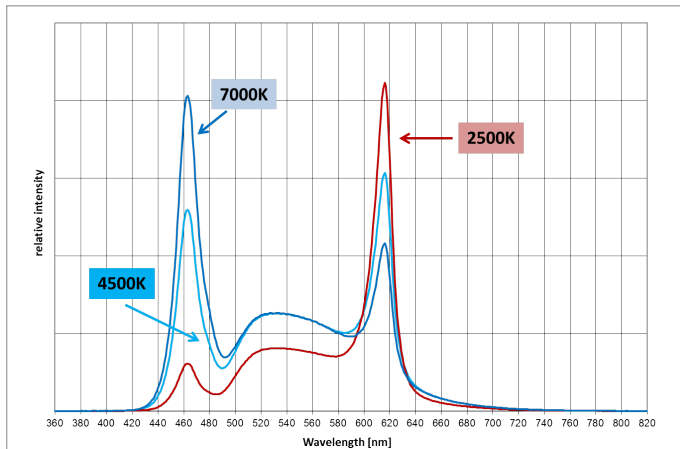
LIGHT DISTRIBUTION



Notes:

- Unless otherwise specified, all values are based on 4,000 K in the steady state and an ambient temperature of 25°C.
- Tolerance ranges: optical data +/-15% | electrical data +/-15%
- Photometrical data according to CIE1931
- Permissible operating temperature +10°C to +35°C.

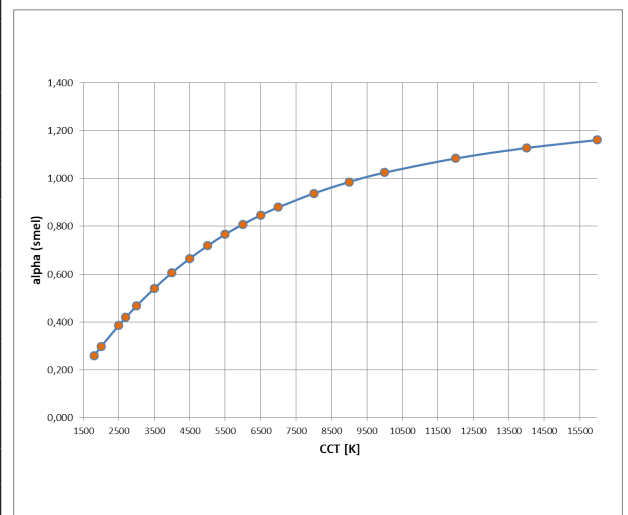
PHOTOMETRICAL PROPERTIES



CCT [K]	general data			visual data		alpha (smel)*
	CRI	CIE-x	CIE-y	Lichtstrom [lm]	Effizienz [lm/W]	
1,800	78.5	0.5492	0.4082	1,835	60.9	0.285
2,000	81.5	0.5268	0.4133	2,075	64.7	0.328
2,500	87.5	0.4770	0.4137	2,725	72.2	0.426
2,700	89.3	0.4599	0.4106	2,995	74.5	0.462
3,000	91.5	0.4369	0.4041	3,415	77.2	0.515
3,500	94.3	0.4053	0.3907	4,140	80.2	0.596
4,000	95.8	0.3804	0.3767	4,100	82	0.668
4,500	95.9	0.3608	0.3635	4,015	82.9	0.733
5,000	95.0	0.3451	0.3516	3,955	83.2	0.792
5,500	94.3	0.3324	0.3410	3,910	83.2	0.845
6,000	93.4	0.3221	0.3318	3,880	83	0.891
6,500	92.5	0.3135	0.3236	3,855	82.8	0.933
7,000	91.8	0.3064	0.3165	3,840	82.2	0.97
8,000	90.6	0.2952	0.3048	3,815	81.3	1.034
9,000	89.4	0.2869	0.2956	3,805	80.5	1.086
10,000	88.5	0.2806	0.2883	3,795	79.7	1.129
12,000	87.4	0.2718	0.2776	3,785	78.3	1.195
14,000	86.4	0.2659	0.2702	3,785	77.3	1.243
16,000	85.9	0.2618	0.2648	3,785	76.5	1.279

Remark:

The coefficient alpha[smel] describes the melanopic effectiveness of the light source on humans and their circadian rhythm. To give the natural human biorhythm the best possible support, the melatonin production can be minimized by higher values of alpha[smel] throughout the day and stimulated by lower values in the evening. PI-LED enables the implementation of an illumination that is not only visually but also biologically/melanopic effective. For a standard-conforming lighting design, Lumitech recommends the document DIN SPEC 5031-100 to be taken as a basis.



Remark:

The diagrams show typical curves and not the exact behaviour of single luminaires..

*The alpha[smel] values given in this table are already scaled with the correction factor 1.103 given in the document DIN SPEC 5031-100.