



TYPE

Product type:
LS450

ELECTRICAL PARAMETERS

Driver efficiency nominal:
up to 0.92

Driver failure ratio:
< 10% at 100000 hours depends on type

Driver type:
Built in PHILIPS Xitanium driver

Electrical isolation class IEC:
Safety class II as a standard, I on request

Input Frequency:
50-60 Hz

LED current ripple %:
< 4

Mains voltage index:
230 – 240 V / 50 – 60 Hz

Nominal input voltage range:
202..254 or 198...264, depends on type

Power factor nominal:
up to 0.98

Power range:
18-35 W as a standard

Quantity on MCB16A:
? 33 pcs

CONTROLS AND DIMMING

Control interface:
Corridor Mode, DALI, Touch and Dim

Condition:
DALI parts: 101, 102, 207, 251, 252, 253

Dimming range:
1-100%

Casambi ecosystem:
compatible

LIGHTING PERFORMANCE

CCT:

3000K, 4000K, Tunable White 2700-6500K

Color rendering index, CRI:

80 as a standard, 90 on request

Initial color shift, SDCM:

< 3

Light distribution:

60 and 110 dgr symmetric, Double asymmetric, Asymmetric beam for wall washing

Light source:

Modules with OSRAM high efficacy LED chips

LOR:

up to 0.87-0.93

Luminaire lumen output range, lm:

2500-5000 lm depending on type

Photobiological safety:

RG1

Type of optic:

Low ageing PMMA LEDIL lenses,

6xnnmsvxfr1zkvveqwe3315o3b97rufd.PNG

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CONSTRUCTION AND MATERIALS

Housing colour:**Housing material:**

Housing: aluminum profile with die casting end caps

Impact resistance:

IK05

Ingress protection:

IP40

Installation options:**Optical cover:**

PMMA

Dimensions:

Length 1130 mm as a standard.

**OPERATION AND
MAINTENANCE**

Electrical connection:

3m 2x0.75 wire as standard

Maintenance:

Opening with screw, LED modules are non-replaceable and can be replaced by manufacturer only

Maintenance of lumen output:

100000 hours – L90B10

Operating temperature range:

20...+40 C, typical for exact values

**MARKING AND
APPROVALS**

CE mark:

CE marked

ROHS mark:

ROHS complaint

PRODUCT FAMILY RANGE

EOC	Description	lm	W	Lm/W
700155950000	LS450_120 3000lm 19W I 840 S 60D	3000	19	158
700155950010	LS450_120 4300lm 29W I 840 S 60D	4300	29	148
700155950020	LS450_120 6300lm 40W I 840 S 60D	6300	40	158
700155950030	LS450_120 3000lm 19W I 840 S 60D DALI	3700	23	161
700155950040	LS450_120 4300lm 29W I 840 S 60D DALI	5400	36	150
700155950050	LS450_120 6300lm 40W I 840 S 60D DALI	7900	50	158
700155950060	LS450_120 3000lm 19W I 840 S 110D	3000	19	158

700155950070	LS450_120 4300lm 29W 840 S 110D	4300	29	148
700155950080	LS450_120 6300lm 40W 840 S 110D	6300	40	158
700155950090	LS450_120 3000lm 19W 840 S 110D DALI	3700	23	161
700155950100	LS450_120 4300lm 29W 840 S 110D DALI	5400	36	150
700155950110	LS450_120 6300lm 40W 840 S 110D DALI	7900	50	158
700155950120	LS450_120 3000lm 19W 840 ZT25	3000	19	158
700155950130	LS450_120 4300lm 29W 840 ZT25	4300	29	148
700155950140	LS450_120 6300lm 40W 840 ZT25	6300	40	158
700155950150	LS450_120 3000lm 19W 840 ZT25 DALI	3700	23	161
700155950160	LS450_120 4300lm 29W 840 ZT25 DALI	5400	36	150
700155950170	LS450_120 6300lm 40W 840 ZT25 DALI	7900	50	158
700155950180	LS450_120 3000lm 19W 840 Z2T25	3000	19	158
700155950190	LS450_120 4300lm 29W 840 Z2T25	4300	29	148

700155950200	LS450_120 6300lm 40W I 840 Z2T25	6300	40	158
700155950210	LS450_120 3000lm 19W I 840 Z2T25 DALI	3700	23	161
700155950220	LS450_120 4300lm 29W I 840 Z2T25 DALI	5400	36	150
700155950230	LS450_120 6300lm 40W I 840 Z2T25 DALI	7900	50	158

APPLICATION

- General indoor lighting for offices, retail, and public areas
- Aisle and shelf lighting in commercial and warehouse spaces
- Wall washing and vertical surface illumination
- Blackboard and classroom board lighting
- Corridor and utility area lighting