LS Downlight
Smart

Benefits

- Flexible luminaire. Select the number of LED's and optic for an ideal lighting solution
- Easy installation. Click & Lock surface mounting plate.
- Intelligent output control using integrated Motion and Daylight sensor.
- Self-controlled operatingconditions:
  - Luminaire Intelligent Protection System (LIPS)
  - Active Overheat Protection (AOP)
  - Light Normalizer - No lumen drop during lifetime
- Integrated Smart technology
  - Plug-and-play self-organizing wireless network
  - Encrypted communication
  - Advised maximum spacing for network: 25 meter.
- Intuitive control and analysis with the Bever app:
  - User authentication and data encrypting
  - Visual representation of your Smart network
  - Extensive configuration, information, and usage statistics
  - Share sensor information between Smart devices
- Protect against dust and water intrusions

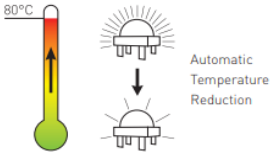
Features

Power supply	Integrated
Input voltage	90 - 305 Vac | 127 - 431Vdc
Frequency	47 - 63 Hz
Colour rendering index (CRI)	up to 83
Colour consistency	5 Macadam Ellipses
Housing	PC-ABS white, Anodized Aluminium
Optics	PMMA
Dimensions	326 x 326 x 98 mm
Smart wireless technology	Yes
Motion sensor (PIR)	Integrated. Range: 7 meter
Daylight sensor (DLS)	Integrated
Mounting	Recessed and surface mounted
Connection cable	1500 mm EPR extra flexibility (-40C + 90C), UV resistant
IEC safety class	I
Ingress protection	IP67
Power factor	0.97 typical
Related input current	120V - 1.25A / 305V - 0.54A
AC harmonics	Less than 10% THD compliant to EN55015
Inrush current	65 A 1,2 ms
B-16A fuse	10 pcs
C-16A fuse	14 pcs
Operating temperature	-30°C to +60°C
Rated life (L80B10)	100.000 hours
Survival factor	0.96

AOP Active Overheat Protection

LIPS Luminaire Intelligent Protection System

eos Integrated EOS Technology



RoHS COMPLIANT IP67 EMC CE CB

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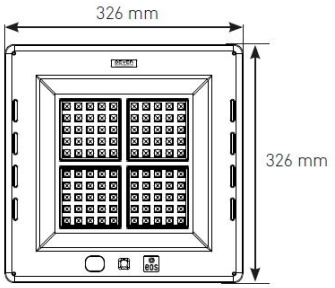
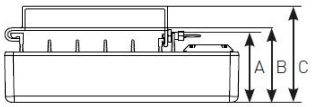
Dimensions





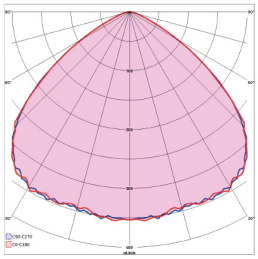
A recessed* = 98 mm

B surface mounted (low profile) = 103 mm

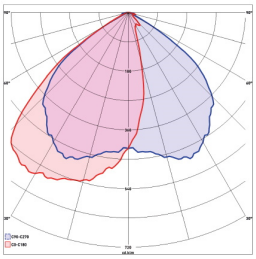
C surface mounted (standard profile) = 133 mm

* Optional recessed brackets available.

Optic

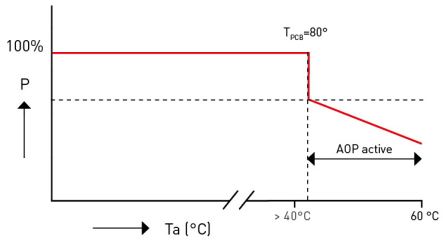


Symmetrical



Asymmetrical

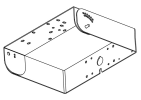
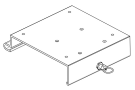
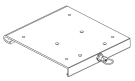
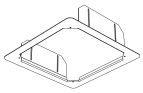
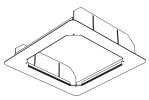
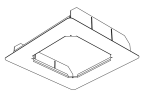
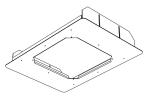
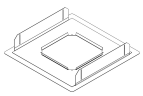
Operating temperature vs maximum output%



Ordering information

Name	SKU	Beam optic	Default power	Lumen (up-to)	Default efficacy	CCT	CRI	Weight
LS Downlight 50 LED								
LS Downlight 50LED 125W 3000K A-Sym.	18598	A-Symm.	102 W	13790 lm	123 lm/W	3000 K	73+	7.50 kg
LS Downlight 80 LED								
LS Downlight 80LED 180W 3000K A-Sym.	18599	A-Symm.	145 W	19617 lm	121 lm/W	3000 K	73+	7.50 kg
LS Downlight 80LED 180W 3000K Sym.	18597	Symm.	145 W	19496 lm	127 lm/W	3000 K	73+	7.50 kg

Accessories

	13429	Wall mount bracket (Requires low mounting plate, 12996)
	13135	Mounting plate (standard)
	12996	Mounting plate (Low profile)
	13406	Coverplate (Mini 300). Outside dim. 400x400mm. Roofhole dim. 360x360mm. White.
	13742	Coverplate (Cube). Outside dim. 450x450mm. Roofhole dim. 390x390mm. White.
	11726	Coverplate (MPF). Outside dim. 520x520mm. Roofhole dim. 470x470mm. White.
	13738	Coverplate (ParkerSell). Outside dim. 620x450mm. Roofhole dim. 560x410mm. White.
	13746	Coverplate. Outside dim. 670x670mm. Roofhole dim. 600x600mm. White.
SMART	20193	Smart+ upgrade

Compliances

IEC 60598-1	Luminaires - Part 1: General requirements and tests
IEC 60598-2-1	Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires
IEC 60598-2-2	Luminaires - Part 2-2: Particular requirements - Recessed luminaires
IEC 62471: 2008	Photobiological safety of lamps and lamp systems
EMC directive 2014/30/EU:	_
- EN 55015: 2006 +A1:2007, +A2:2009	Limits and methods of measurement of radio distubance of electrical lighting and similar equipment
- EN 61000-3-2:2006 +A1:2009, A2:2009	Harmonic current emissions
- EN 61000-3-3:2008	Limitation of voltage fluctuations
- EN 61547:2009	Equipment for general lighting purposes. EMC immunity requirements. From which:
- EN 61000-4-2:2009	Electrostatic discharge [ESD] immunity
- EN 61000-4-3:2006 +A1:2008, +A	Radiated EM field immunity
- EN 61000-4-4:2004 +A1:2010	Electrical fast transient (EFT) immunity
- EN 61000-4-5:2006	Surge transient immunity
- EN 61000-4-6:2009	Conducted Radio-frequency disturbance immunity
- EN 61000-4-11:2004	Immunity to voltage dips and short interrupts
- ETSI EN 300 328 V1.9.1	Wideband transmission systems; Data transmission equipment operating in thye 2,4 GHz ISM band and using wide band modulation techniques

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