

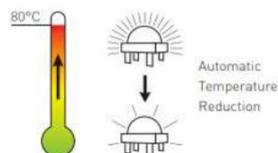


### Benefits

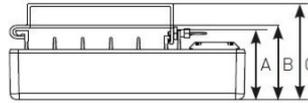
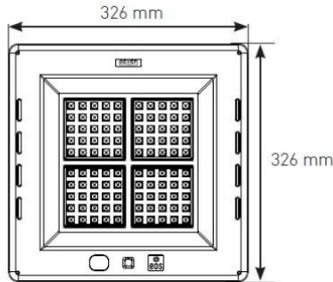
- + Flexible luminaire. Select the number of LED's and optic for an ideal lighting solution
- + Easy installation. Click & Lock surface mounting plate.
- + Intelligent output control using integrated Motion and Daylight sensor.
- + Self-controlled operating conditions:
  - Luminaire Intelligent Protection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



## Dimensions



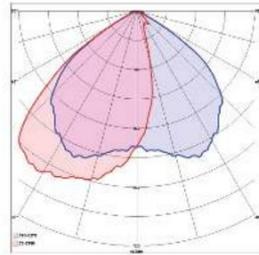
- A recessed\* = 98 mm
- B surface mounted (low profile) = 103 mm
- C surface mounted (standard profile) = 133 mm

\* Optional recessed brackets available.

## Optic

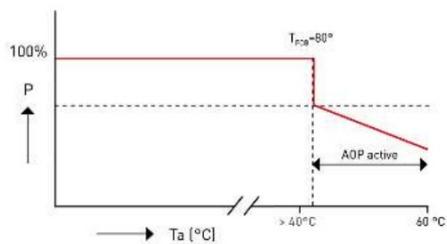


Symmetrical



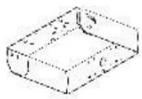
Asymmetrical

Operating temperature vs maximum output %



## Ordering information

Name	SKU	Beam optic	Default power	Lumen (up-to)	Default efficacy	CCT	CRI	Weight
<b>LS Downlight 40 LED</b>								
LS Downlight 40LED 74W 5700K Sym.	16759	Symm.	60 W	10382 lm	144 lm/W	5700 K	73+	7.50 kg
<b>LS Downlight 50 LED</b>								
LS Downlight 50LED 100W 4000K A-Sym.	16868	A-Symm.	80 W	13309 lm	141 lm/W	4000 K	83+	7.50 kg
LS Downlight 50LED 100W 5700K A-Sym.	16762	A-Symm.	80 W	13790 lm	146 lm/W	5700 K	73+	7.50 kg
LS Downlight 50LED 100W 5700K Sym.	16760	Symm.	80 W	13626 lm	145 lm/W	5700 K	73+	7.50 kg
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 50LED 125W 3000K Sym.	18596	Symm.	102 W	13626 lm	113 lm/W	3000 K	73+	7.50 kg
LS Downlight 50LED 80W 4000K Sym.	16764	Symm.	80 W	13300 lm	140 lm/W	4000 K	83+	7.50 kg
<b>LS Downlight 80 LED</b>								
LS Downlight 80LED 145W 4000K A-Sym.	16766	A-Symm.	115 W	19240 lm	140 lm/W	4000 K	83+	7.50 kg
LS Downlight 80LED 145W 4000K Sym.	16765	Symm.	115 W	18790 lm	136 lm/W	4000 K	83+	7.50 kg
LS Downlight 80LED 145W 5700K A-Sym.	16763	A-Symm.	115 W	19617 lm	142 lm/W	5700 K	73+	7.50 kg
LS Downlight 80LED 145W 5700K Sym.	16761	Symm.	115 W	19496 lm	142 lm/W	5700 K	73+	7.50 kg
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**

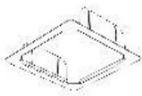
13429 Wall mount bracket (Requires low mounting plate, 12996)



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.



20193 Smart+ upgrade

**Compliances**

IEC 60598-1

IEC 60598-2-1

IEC 60598-2-2

IEC 62471: 2008

EMC directive 2014/30/EU:

- EN 55015: 2006 +A1:2007, +A2:2009
- EN 61000-3-2:2006 +A1:2009, A2:2009
- EN 61000-3-3:2008
- EN 61547:2009
  - EN 61000-4-2:2009
  - EN 61000-4-3:2006 +A1:2008, +A
  - EN 61000-4-4:2004 +A1:2010
  - EN 61000-4-5:2006
  - EN 61000-4-6:2009
  - EN 61000-4-11:2004
- ETSI EN 300 328 V1.9.1

Luminaires - Part 1: General requirements and tests

Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires

Luminaires - Part 2-2: Particular requirements - Recessed luminaires

Photobiological safety of lamps and lamp systems

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Limits and methods of measurement of radio disturbance of electrical lighting and similar equipment

Harmonic current emissions

Limitation of voltage fluctuations

Equipment for general lighting purposes. EMC immunity requirements. From which:

Electrostatic discharge (ESD) immunity

Radiated EM field immunity

Electrical fast transient (EFT) immunity

Surge transient immunity

Conducted Radio-frequency disturbance immunity

Immunity to voltage dips and short interrupts

Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques