

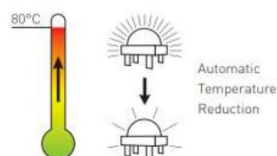


Benefits

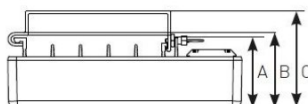
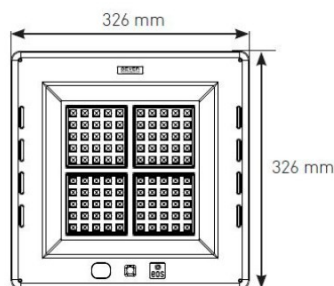
- + Flexible luminaire. Select the number of LED's and optic for an ideal lighting solution
- + Easy installation. Click & Lock surface mounting plate.
- + Intelligent output control using integrated Motion and Daylight sensor.
- + Self-controlled operating conditions:
 - Luminaire Intelligent Protection 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



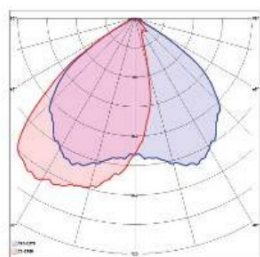
| | |
|---|----------|
| A recessed* | = 98 mm |
| B surface mounted (low profile) | = 103 mm |
| C surface mounted (standard profile) | = 133 mm |

* Optional recessed brackets available.

Optic

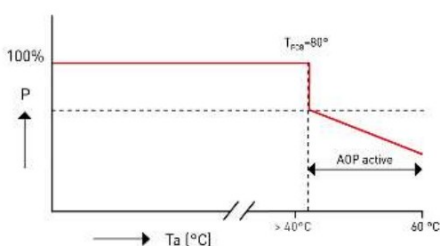


Symmetrical



Asymmetrical

Operating temperature vs maximum output%



Ordering information

| Name | SKU | Beam optic | Default power | Lumen (up-to) | Default efficacy | CCT | CRI | Weight |
|---------------------------------------|-------|------------|---------------|---------------|------------------|--------|-----|---------|
| LS Downlight 40 LED | | | | | | | | |
| LS Downlight 40LED 74W 5700K Sym. | 16759 | Symm. | 60 W | 10382 lm | 144 lm/W | 5700 K | 73+ | 7.50 kg |
| LS Downlight 50 LED | | | | | | | | |
| LS Downlight 50LED 100W 4000K A-Symm. | 16868 | A-Symm. | 80 W | 13309 lm | 141 lm/W | 4000 K | 83+ | 7.50 kg |
| LS Downlight 50LED 100W 5700K A-Symm. | 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-Symm. | 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 |
| LS Downlight 80 LED | | | | | | | | |
| LS Downlight 80LED 145W 4000K A-Symm. | 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-Symm. | 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-Symm. | 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