# PRODUCT DATASHEET
# FL 200 P 133W 20KLM 840 PS SY100 WT

FLOODLIGHT 200 | Versatile floodlight with up to 20000 lm light output




## Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP66)
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust
- Public areas
- Building facades
- Construction areas
- Parking

## Product benefits

- Breather membrane to optimize air exchange, without compromising IP protection
- Highly versatile due to selectable lumen steps (Multi Lumen) on the housing
- Robust cable gland with integrated waterstop function
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- Bright, robust and durable
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt

## Product features

- Luminous efficacy: up to 150 lm/W
- Type of protection: IP66
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 $mm^2$ single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area


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# TECHNICAL DATA

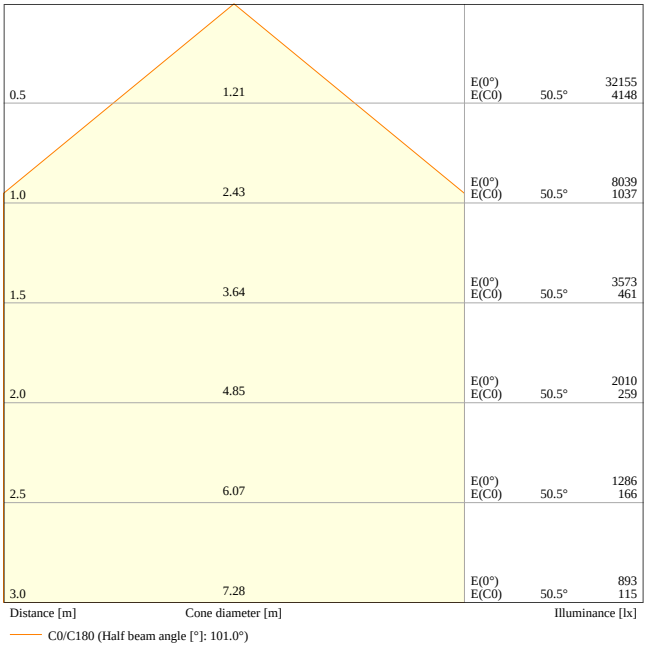
## Electrical data

| | |
|---|---|
| Nominal wattage | 133 W / 117 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 590/519 mA |
| Inrush current | 34.6 A |
| Inrush current time $T_{h50}$ | 552 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 4 |
| Max. number of luminaires per miniature circuit breaker C10 | 4 |
| Max. number of luminaires per miniature circuit breaker C16 | 7 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Surge capability (L-N) | 4 kV |
| Surge capability (L/N-Ground) | 6 kV |
| Operating mode | Integrated LED driver |

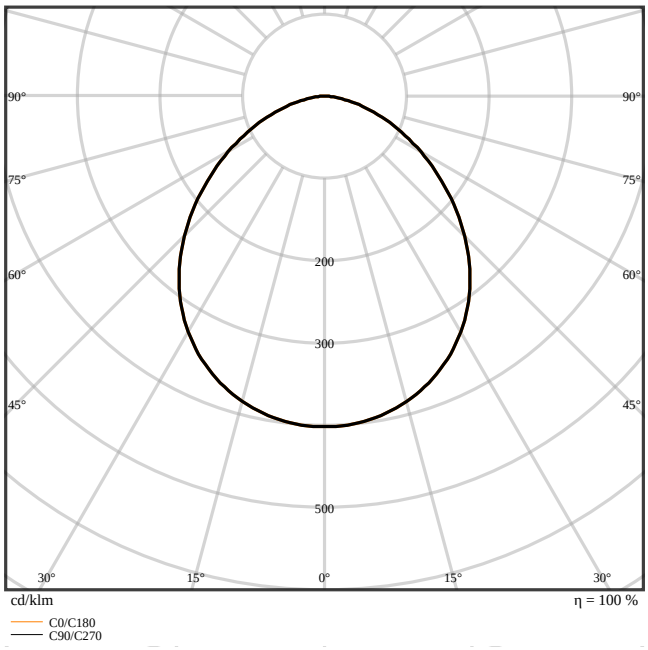
## Photometrical data

| | |
|---|---|
| Luminous flux | 20000 lm / 17500 lm |
| Luminous efficacy | 150 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | 80 |
| Standard deviation of color matching | 5 sdcm |
| Stroboscope effect metric (SVM) | ≤0.9 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 100 ° x 100 ° |


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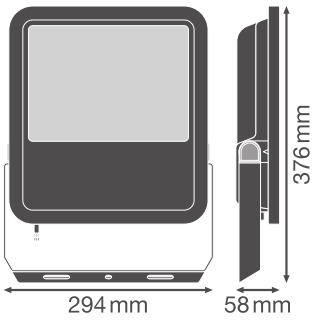
## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|---|---|---|---|
| 133 W | 4000 K | 20000 lm | 150 lm/W |
| 117 W | 4000 K | 17500 lm | 150 lm/W |

## Dimensions & Weight

| | |
|---|---|
| Length | 294.00 mm |
| Width | 58.00 mm |
| Height | 376.00 mm |
| Product weight | 3476.00 g |
| Cable length | 1000 mm |


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FL 200P SY100

## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Aluminum |
| Cover material | Glass |
| Light emitting surface material | Glass |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -30…+50 °C |
| Temperature range at storage | -40…+70 °C |
| Type of connection | Cable, 3-pole |
| Type of protection | IP66 |
| Protection class IK (shock resistance) | IK08 |
| Corrosion resistance class acc. to EN 12944 | C4 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Wall / Pole / Floor / Ceiling |
| Application environment | Outdoor |
| Mechanically adjustable | Yes |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 h [1)] |
| Lifespan L80/B10 at 25 °C | 75000 h [1)] |


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| | |
|---|---|
| Lifespan L80/B50 at 25 °C | 70000 h |
| Lifespan L90/B10 at 25 °C | 35000 h [1)] |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

| | |
|---|---|
| Output current | 630 mA |
| ECG - Output ripple current | < 20 % |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / ENEC / EAC / UKCA / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes |
| Ball shot safe | No |
| EPD | LEDV-00030-V01.01-EN |

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | FL TRAVERSE 1/2 42/60/76MM | 4099854680038 |

## Safety advice

– Max. wind load surface 0.085 $m^2$

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | G11193710_UI_Floodlight_65W-200W |
| PDF | Legal information | Insert_LSI_Floodlight_69W-167W_G11195968 |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Safety Insert G11205496 |
| PDF | Legal information | Legal Insert G11277401 |
| PDF | Declarations of conformity | FLOODLIGHT GEN4 |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | EPD | EPD EN FLOODLIGHT GEN 4 MP PHOTOCELL |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | FL 200 P 133W 20KLM 840 PS SY100 WT |
| LDT | LDT file (Eulumdat) | FL 200 P 133W 20KLM 840 PS SY100 WT |
| ULD | ULD file (DIALux) | FL 200 P 133W 20KLM 840 PS SY100WT |
| ROLF | ROLF file (RELUX) | FL 200 P 133W 20KLM 840 PS SY100WT |
| | UGR file (UGR table) | FL 200 P 133W 20KLM 840 PS SY100 WT |
| | Light distribution curve type cone | FL 200 P 133W 20KLM 840 PS SY100 WT |
| | Light distribution curve type polar | FL 200 P 133W 20KLM 840 PS SY100 WT |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Floodlight G4 |
| STEP | CAD STEP 3D | FL G4 133W |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | FLOODLIGHT 200 133W 20KLM 840 PS SY100 WT-EN |

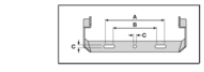
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854306426 | Folding box<br>1 | 75 mm x 324 mm x 417 mm | 3776.00 g | 10.13 $dm^3$ |
| 4099854306433 | Shipping box<br>2 | 340 mm x 167 mm x 444 mm | 8048.00 g | 25.21 $dm^3$ |

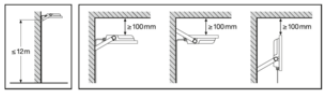
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

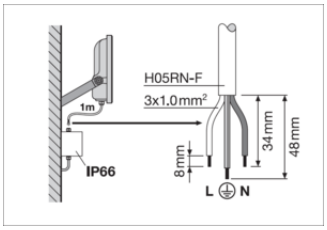

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## ADDITIONAL CATALOG INFORMATION



| | A | B | C | | | 230 Vac C10A | 230 Vac B16A | 230 Vac C16A |
|---|---|---|---|---|---|---|---|---|
| 69W | 150 | 108 | 8.5 | 2x M6 | 0.045m² | 25 | 40 | 41 |
| 100W | 150 | 108 | 10.5 | 2x M8 | 0.070m² | 6 | 5 | 9 |
| 133W | 170 | 118 | 10.5 | 2x M8 | 0.085m² | 4 | 4 | 7 |
| 167W | 170 | 118 | 12.5 | 2x M10 | 0.105m² | 4 | 4 | 7 |






| | | |
|---|---|---|
| FL 100 P 69W 10KLM 830 PS SY100 | 53W/7320lm | 69W/9150lm |
| FL 100 P 69W 10KLM 840 PS SY100 | 53W/8000lm | 69W/10000lm |
| FL 100 P 69W 10KLM 865 PS SY100 | 53W/8000lm | 69W/10000lm |
| FL 150 P 100W 15KLM 830 PS SY100 | 83W/11670lm | 100W/14000lm |
| FL 150 P 100W 15KLM 840 PS SY100 | 83W/12500lm | 100W/15000lm |
| FL 150 P 100W 15KLM 865 PS SY100 | 83W/12500lm | 100W/15000lm |
| FL 200 P 133W 20KLM 830 PS SY100 | 117W/16275lm | 133W/18600lm |
| FL 200 P 133W 20KLM 840 PS SY100 | 117W/17500lm | 133W/20000lm |
| FL 200 P 133W 20KLM 865 PS SY100 | 117W/17500lm | 133W/20000lm |
| FL 250 P 167W 25KLM 830 PS SY100 | 150W/21060lm | 167W/23400lm |
| FL 250 P 167W 25KLM 840 PS SY100 | 150W/22500lm | 167W/25000lm |
| FL 250 P 167W 25KLM 865 PS SY100 | 150W/22500lm | 167W/25000lm |

## References / Links

– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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