

PRODUCT DATASHEET

BLKH RD 300 P 17W CPS WT

BULKHEAD ROUND | Robust wall and ceiling luminaire with IP65 and IK10 protection



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Flexible mounting patterns for convenient installation
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Separate decor element available for an aesthetic and functional product design

Product features

- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- High luminous efficacy: > 120 lm/W for 3000 K and 4000 K
- Impact resistance: IK10
- Type of protection: IP65
- Push wire terminal for tool-free connection
- Through-wiring possible



TECHNICAL DATA

Electrical data

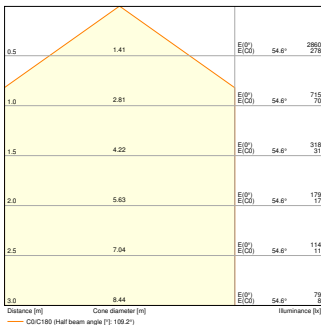
| | |
|---|---|
| Nominal wattage | 17 W / 15 W / 12.5 W / 10 W ¹⁾ |
| Nominal voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 75...65...55...45 mA |
| Inrush current | 9.5 A |
| Inrush current time T _{h50} | 26.8 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 79 |
| Max. number of luminaires per miniature circuit breaker C10 | 63 |
| Max. number of luminaires per miniature circuit breaker C16 | 101 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 15 % |
| Protection class | II |
| Operating mode | Integrated LED driver |

¹⁾ For possible options refer to lumen/power table image

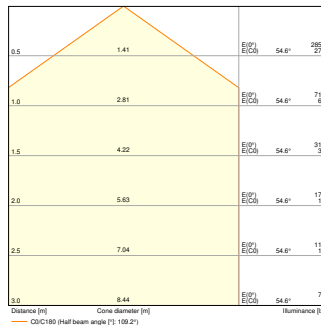
Photometrical data

| | |
|--|---|
| Luminous flux | 2270 lm / 1990 lm / 1700 lm / 1400 lm ¹⁾ |
| Luminous efficacy | 132 lm/W / 136 lm/W / 138 lm/W ¹⁾ |
| Color temperature | 3000 K / 4000 K |
| Light color (designation) | Warm White / Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | 5 sdc _m |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | <0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |

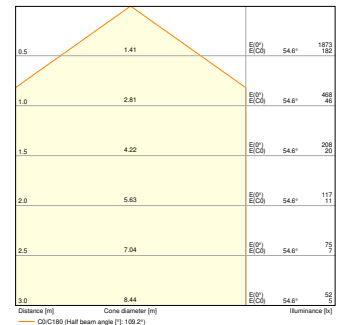
¹⁾ For possible options refer to lumen/power table image



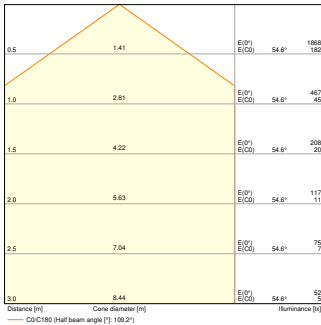
BLKH 300 P 16W 830 2000lm



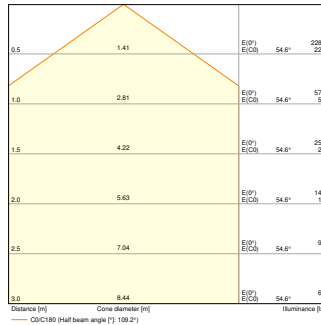
BLKH 300 P 16W 840 2000lm



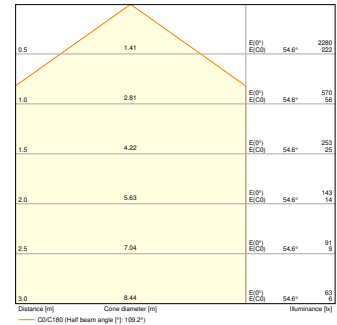
BLKH 300 P 10W 830 1310lm



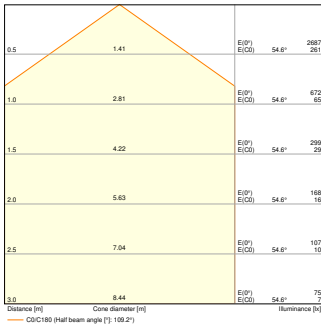
BLKH 300 P 10W 840 1310lm



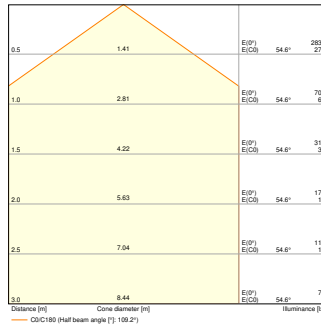
BLKH 300 P 12.5W 830 1600lm



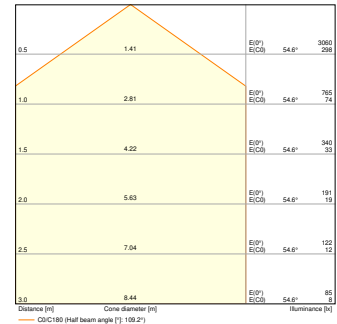
BLKH 300 P 12.5W 840 1600lm



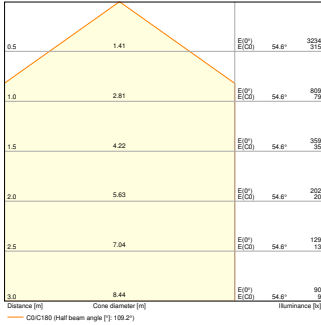
BLKH 300 P 15W 830 1880lm



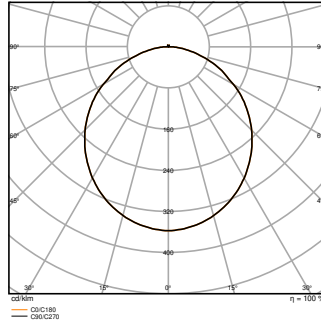
BLKH 300 P 15W 840 1990lm



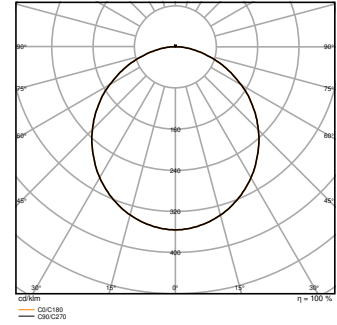
BLKH 300 P 17W 830 2140lm



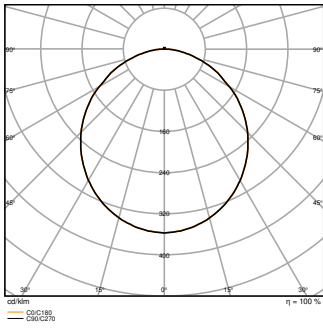
BLKH 300 P 17W 840 2270lm



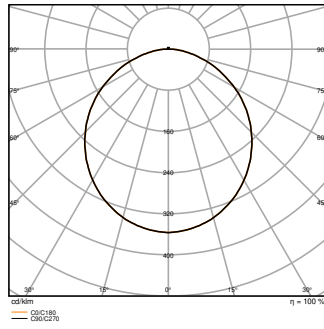
BLKH 300 P 16W 830 2000lm



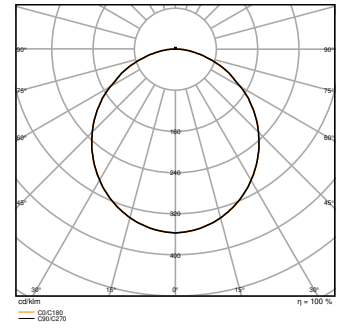
BLKH 300 P 16W 840 2000lm



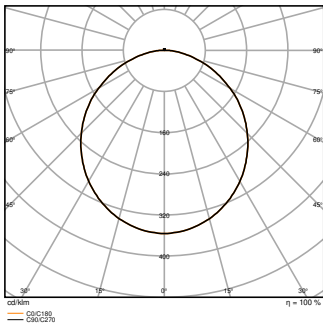
BLKH 300 P 10W 830 1310lm



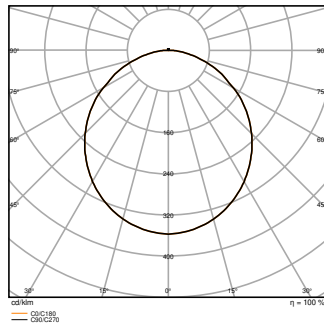
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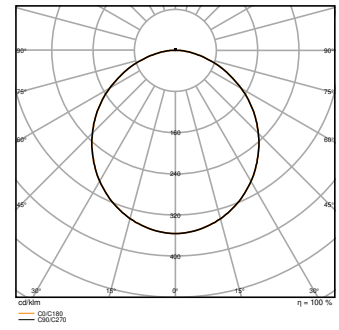
BLKH 300 P 12.5W 830 1600lm



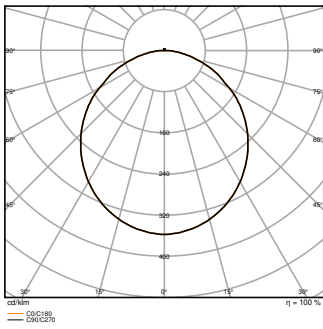
BLKH 300 P 12.5W 840 1600lm



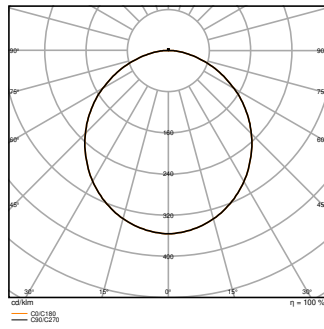
BLKH 300 P 15W 830 1880lm



BLKH 300 P 15W 840 1990lm



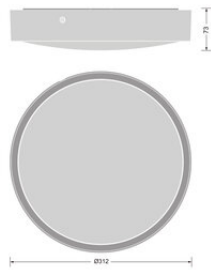
BLKH 300 P 17W 830 2140lm



BLKH 300 P 17W 840 2270lm

Dimensions & Weight

| | |
|----------------|-----------|
| Diameter | 312.00 mm |
| Height | 73.00 mm |
| Product weight | 900.00 g |



BLKH RD/SEN/DA/EM 300 P 16W

Materials & Colors

| | |
|--|--------------------|
| Product color | White |
| Housing color | White |
| Body material | Polycarbonate (PC) |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|--------------------|
| Ambient temperature range | -20...+40 °C |
| Temperature range at storage | -20...+80 °C |
| Type of connection | Screwless terminal |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK10 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Outdoor |
| With light source | Yes |

Lifespan

| | |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 55000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 65000 h |

| | |
|----------------------------|---------|
| Lifespan L90/B10 at 25 °C | 40000 h |
| Number of switching cycles | 100000 |

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 | 370...320...270...220 mA |
| ECG - Output ripple current | < 5 % |

Certificates & Standards

| | |
|--|--|
| Standards | CE / CB / UKGA / EAC / ENEC / EL / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00029-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |






Additional product data


















| | |
|----------------|-------------------------|
| Added function | EVERLOOP / MULTI SELECT |
|----------------|-------------------------|


























EQUIPMENT / ACCESSORIES







- Additional cover rings in different designs available
- Mounting screws and dowels included
- Anti-theft screw included



DOWNLOAD DATA


| Documents and certificates | | Document name |
|--|--|------------------------------------|
|  | User instruction / safety instructions | BLKH RD GEN2 |
|  | Legal information | Legal Insert BLKH RD |
|  | Legal information | Light Source Insert BLKH RD GEN2 |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity | BLKH RD/LISOEV |

| Documents and certificates | | Document name |
|--|----------------------------------|-----------------------------|
|  | Declarations of conformity UKCA | BLKH RD/LISOEV |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | BLKH 300 P 17W 830 2140lm |
|  | IES file (IES) | BLKH 300 P 17W 840 2270lm |
|  | IES files (IES, additional) | BLKH 300 P 10W 830 1310lm |
|  | IES files (IES, additional) | BLKH 300 P 10W 840 1310lm |
|  | IES files (IES, additional) | BLKH 300 P 12.5W 830 1600lm |
|  | IES files (IES, additional) | BLKH 300 P 12.5W 840 1600lm |
|  | IES files (IES, additional) | BLKH 300 P 15W 830 1880lm |
|  | IES files (IES, additional) | BLKH 300 P 15W 840 1990lm |
|  | LDT file (Eulumdat) | BLKH 300 P 17W 830 2140lm |
|  | LDT file (Eulumdat) | BLKH 300 P 17W 840 2270lm |
|  | LDT files (Eulumdat, additional) | BLKH 300 P 10W 830 1310lm |
|  | LDT files (Eulumdat, additional) | BLKH 300 P 10W 840 1310lm |
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|  | LDT files (Eulumdat, additional) | BLKH 300 P 15W 830 1880lm |
|  | LDT files (Eulumdat, additional) | BLKH 300 P 15W 840 1990lm |

| Photometric and lighting design files | | Document name |
|---|-------------------------------------|-----------------------------|
|  | ULD file (DIALux) | BLKH RD 300 P 17W CPS WT |
|  | UGR file (UGR table) | BLKH 300 P 16W 830 2000lm |
|  | UGR file (UGR table) | BLKH 300 P 16W 840 2000lm |
|  | UGR file (UGR table) | BLKH 300 P 10W 830 1310lm |
|  | UGR file (UGR table) | BLKH 300 P 10W 840 1310lm |
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|  | UGR file (UGR table) | BLKH 300 P 15W 840 1990lm |
|  | UGR file (UGR table) | BLKH 300 P 17W 830 2140lm |
|  | UGR file (UGR table) | BLKH 300 P 17W 840 2270lm |
|  | Light distribution curve type cone | BLKH 300 P 16W 830 2000lm |
|  | Light distribution curve type cone | BLKH 300 P 16W 840 2000lm |
|  | Light distribution curve type cone | BLKH 300 P 10W 830 1310lm |
|  | Light distribution curve type cone | BLKH 300 P 10W 840 1310lm |
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|  | Light distribution curve type cone | BLKH 300 P 17W 830 2140lm |
|  | Light distribution curve type cone | BLKH 300 P 17W 840 2270lm |
|  | Light distribution curve type polar | BLKH 300 P 16W 830 2000lm |
|  | Light distribution curve type polar | BLKH 300 P 16W 840 2000lm |
|  | Light distribution curve type polar | BLKH 300 P 10W 830 1310lm |
|  | Light distribution curve type polar | BLKH 300 P 10W 840 1310lm |

| Photometric and lighting design files | | Document name |
|--|-------------------------------------|-----------------------------|
|  | Light distribution curve type polar | BLKH 300 P 12.5W 830 1600lm |
|  | Light distribution curve type polar | BLKH 300 P 12.5W 840 1600lm |
|  | Light distribution curve type polar | BLKH 300 P 15W 830 1880lm |
|  | Light distribution curve type polar | BLKH 300 P 15W 840 1990lm |
|  | Light distribution curve type polar | BLKH 300 P 17W 830 2140lm |
|  | Light distribution curve type polar | BLKH 300 P 17W 840 2270lm |

| CAD/BIM files | | Document name |
|--|--------------|----------------|
|  | BIM Revit 3D | Bulkhead Round |
|  | CAD STEP 3D | BLKH G2 300 |

| Tender texts | | Document name |
|--|------------------|------------------------------------|
|  | Tender documents | BULKHEAD ROUND 300 P 17W CPS WT-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854286148 | Folding box 1 | 77 mm x 317 mm x 317 mm | 1034.00 g | 7.74 dm ³ |
| 4099854286155 | Shipping box 8 | 650 mm x 330 mm x 335 mm | 8932.00 g | 71.86 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.

ADDITIONAL CATALOG INFORMATION

| <table border="1"> <caption>BLKH RD 300</caption> <tr><td>WAC</td><td>8.5</td><td>8</td><td>8.5</td><td>8.5</td></tr> <tr><td>T (Pieces)</td><td>4000</td><td>3000</td><td>4000</td><td>3000</td></tr> <tr><td>Net</td><td>1200</td><td>1000</td><td>1200</td><td>1000</td></tr> <tr><td>NetW</td><td>108</td><td>102</td><td>102</td><td>102</td></tr> </table> | WAC | 8.5 | 8 | 8.5 | 8.5 | T (Pieces) | 4000 | 3000 | 4000 | 3000 | Net | 1200 | 1000 | 1200 | 1000 | NetW | 108 | 102 | 102 | 102 | <table border="1"> <caption>BLKH RD SEN 300</caption> <tr><td>WAC</td><td>10</td><td>8.5</td><td>7</td><td>8</td></tr> <tr><td>T (Pieces)</td><td>4000</td><td>4000</td><td>4000</td><td>4000</td></tr> <tr><td>Net</td><td>1200</td><td>1000</td><td>1200</td><td>1000</td></tr> <tr><td>NetW</td><td>102</td><td>118</td><td>118</td><td>118</td></tr> </table> | WAC | 10 | 8.5 | 7 | 8 | T (Pieces) | 4000 | 4000 | 4000 | 4000 | Net | 1200 | 1000 | 1200 | 1000 | NetW | 102 | 118 | 118 | 118 | <table border="1"> <tr><th>B10</th><th>B16</th><th>C10</th><th>C16</th></tr> <tr><td>BLKH RD 300 P 10W CPS BK</td><td>155</td><td>248</td><td>155</td><td>248</td></tr> <tr><td>BLKH RD 250 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD 300 P 10W CPS BK</td><td>83</td><td>79</td><td>83</td><td>101</td></tr> <tr><td>BLKH RD 300 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS BK</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS WT</td><td>140</td><td>224</td><td>140</td><td>224</td></tr> <tr><td>BLKH RD SEN 300 P 10W CPS BK</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD SEN 300 P 10W CPS WT</td><td>83</td><td>79</td><td>83</td><td>101</td></tr> </table> | B10 | B16 | C10 | C16 | BLKH RD 300 P 10W CPS BK | 155 | 248 | 155 | 248 | BLKH RD 250 P 10W CPS WT | | | | | BLKH RD 300 P 10W CPS BK | 83 | 79 | 83 | 101 | BLKH RD 300 P 10W CPS WT | | | | | BLKH RD SEN 250 P 10W CPS BK | | | | | BLKH RD SEN 250 P 10W CPS WT | 140 | 224 | 140 | 224 | BLKH RD SEN 300 P 10W CPS BK | | | | | BLKH RD SEN 300 P 10W CPS WT | 83 | 79 | 83 | 101 |
|--|------|------|------|------|-----|------------|------|------|------|------|-----|------|------|------|------|------|-----|-----|-----|-----|---|-----|----|-----|---|---|------------|------|------|------|------|-----|------|------|------|------|------|-----|-----|-----|-----|---|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|--------------------------|--|--|--|--|--------------------------|----|----|----|-----|--------------------------|--|--|--|--|------------------------------|--|--|--|--|------------------------------|-----|-----|-----|-----|------------------------------|--|--|--|--|------------------------------|----|----|----|-----|
| WAC | 8.5 | 8 | 8.5 | 8.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T (Pieces) | 4000 | 3000 | 4000 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Net | 1200 | 1000 | 1200 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NetW | 108 | 102 | 102 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAC | 10 | 8.5 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T (Pieces) | 4000 | 4000 | 4000 | 4000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Net | 1200 | 1000 | 1200 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NetW | 102 | 118 | 118 | 118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B10 | B16 | C10 | C16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD 300 P 10W CPS BK | 155 | 248 | 155 | 248 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD 250 P 10W CPS WT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD 300 P 10W CPS BK | 83 | 79 | 83 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD 300 P 10W CPS WT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD SEN 250 P 10W CPS BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD SEN 250 P 10W CPS WT | 140 | 224 | 140 | 224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLKH RD SEN 300 P 10W CPS BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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References / Links

- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.