



VIPER SERIES ROUND

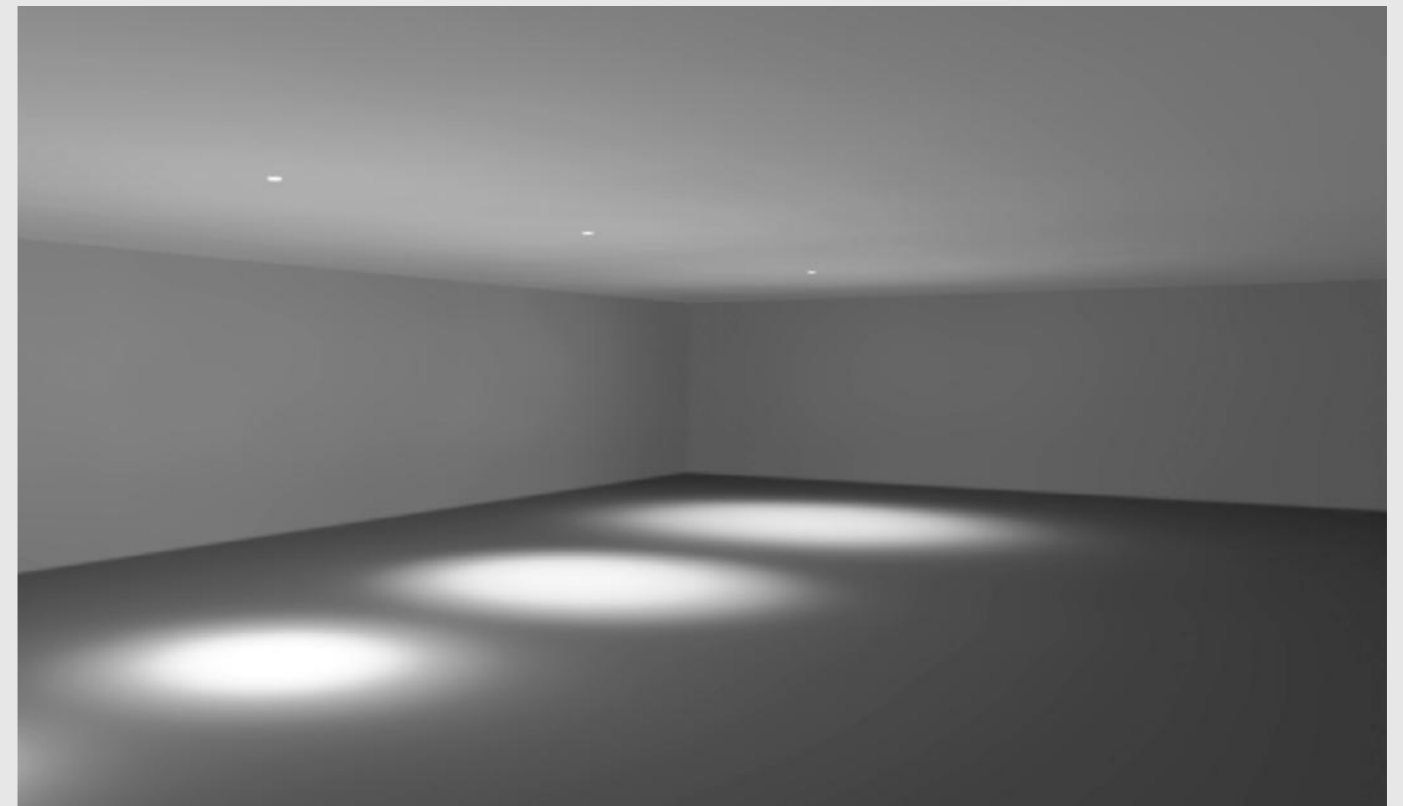


Product features

VIPER recessed luminaires, available in round and square versions, set new standards in their category: The high-performance range, consisting of downlights, Directional luminaires, meets superior standards of visual comfort and efficiency whilst delivering optimal light quality for a multitude of visual tasks. The new IO5 optical systems of the downlights produce superb uniformity whilst ensuring excellent glare control. With an emission angle of 60° and a 40° cut-off, VIPER downlights meet the challenges of illuminating large areas masterfully – offering uniform and efficient ambient lighting with large luminaire spacing and high cylindrical illuminances.

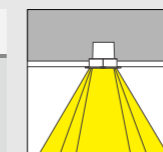
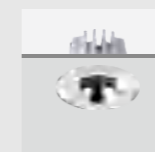
Range of Application

Commercial
Residential
Architectural
Hospitals
Museum / Art gallery



General lighting

Ambient lighting produced by wide beam light distribution.



Downlights

Narrow to wide beam, Fixed symmetrical light distribution for general lighting

LED

Wattage:10-50W
Lumen:860-4144lm
Light distribution:
Narrow
Medium
Flood



Suitable for indoor use



Protection level is IP20



High efficiency Reflector



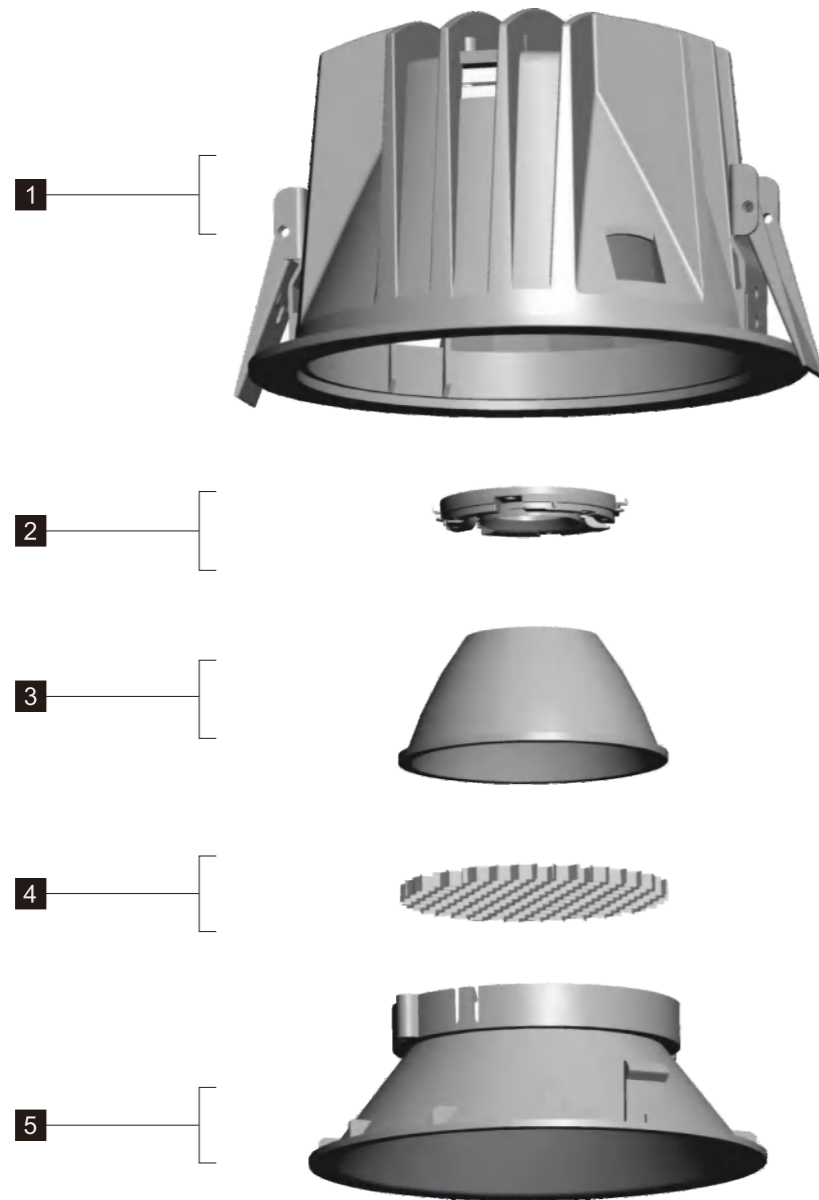
Comply with CE certification



The electrical grade is class2



CRI > 80 (standard)
CRI > 90 (optional)



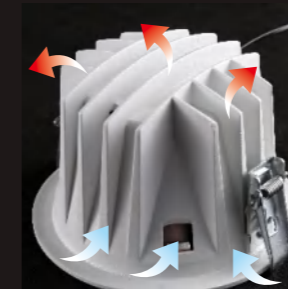
Exploded view

- 1 Housing and frame
- 2 Solder less connector
- 3 Reflector
- 4 Optical accessories (glass, honey comb)
- 5 Secondary optical reflector



Reliable ceiling mounting system

Mechanical mounting spring with integrated clip on the fixture enables easy installation that eliminating the need of removing optics or tighten screws. Best of all the process requires no additional parts, So you don't need to worry about losing anchors or clips.



High efficiency dissipation heat sink

VIPER housing body construction serves as a cooling system designed to dissipate heat faster from the LED, also providing maximum air flow from the entire operation caused by rising hot air. When the operation temperature has been minimized the LED are guaranteed for its maximum life time and performance.



IO5 System (DARK LIGHTS)

VIPER downlights IO5 system (interchangeable optical system) gives you maximum choice of different beam angle and other colors to match all kind of lighting application. Thanks to snap and lock easy to install structure made fast and simple to install. VIPER's secondary optics are glare free (UGR < 18) & freely interchangeable to an different color to match your application of needs.



VIPER SERIES MINI FIXED PROJECTOR
LED DOWNLIGHT

80



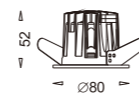
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.12kg
CTN: 80PCS

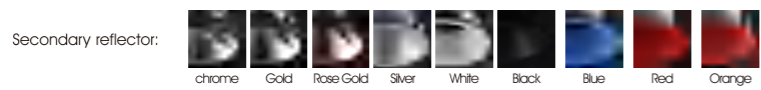
IO5 INTERMEDIARY OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



| ORDERING CODE | Power (W) | Beam Angle (°) | CCT (K) | Hot Lumen (Lm) | LOR (%) | UGR | On/Off | DRIVER 1-10V | DALI | Triac |
|-----------------|-----------|----------------|---------|----------------|---------|-----|--------|--------------|------|-------|
| VP800-W/B/S-830 | 10 | 20 | 3000 | 860 | 80% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP800-W/B/S-840 | | | 4000 | 880 | | | | | | |
| VP800-W/B/S-850 | | | 5000 | 890 | | | | | | |
| VP801-W/B/S-830 | 10 | 40 | 3000 | 840 | 80% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP801-W/B/S-840 | | | 4000 | 860 | | | | | | |
| VP801-W/B/S-850 | | | 5000 | 870 | | | | | | |
| VP802-W/B/S-830 | 10 | 55 | 3000 | 860 | 80% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP802-W/B/S-840 | | | 4000 | 880 | | | | | | |
| VP802-W/B/S-850 | | | 5000 | 890 | | | | | | |



Optical accessories See P.012

PHILIPS SLM C 830 1203 L09 G1 3000K

| Beam Angle | h(m) | E(lx) | D(mm) |
|------------|------|-------|-------|
| 20° | 1.0 | 2080 | 430 |
| | 2.0 | 507 | 860 |
| | 3.0 | 225 | 1300 |
| 40° | 1.0 | 1560 | 610 |
| | 2.0 | 390 | 1220 |
| | 3.0 | 173 | 1830 |
| 55° | 1.0 | 1194 | 660 |
| | 2.0 | 298 | 1330 |
| | 3.0 | 132 | 1990 |

VIPER SERIES SMALL FIXED PROJECTOR
LED DOWNLIGHT

105



IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.28kg
CTN: 45PCS

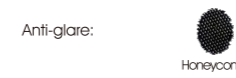
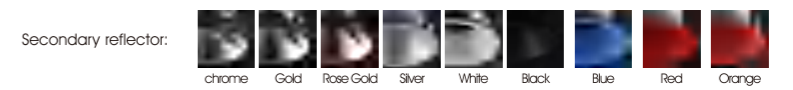
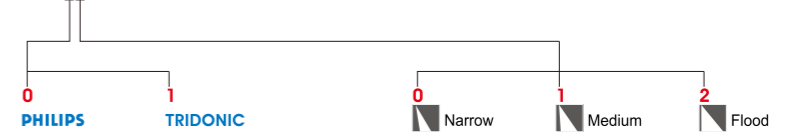
IO5 INTERMEDIARY OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



| ORDERING CODE | Power (W) | Beam Angle (°) | CCT (K) | Hot Lumen (Lm) | LOR (%) | UGR | On/Off | DRIVER 1-10V | DALI | Triac |
|------------------|-----------|----------------|---------|----------------|---------|-----|--------|--------------|------|-------|
| VP1000-W/B/S-830 | 22 | 20 | 3000 | 1754 | 80% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP1000-W/B/S-840 | | | 4000 | 1905 | | | | | | |
| VP1000-W/B/S-850 | | | 5000 | 1969 | | | | | | |
| VP1001-W/B/S-830 | 22 | 40 | 3000 | 1727 | 80% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP1001-W/B/S-840 | | | 4000 | 1900 | | | | | | |
| VP1001-W/B/S-850 | | | 5000 | 1960 | | | | | | |
| VP1002-W/B/S-830 | 22 | 55 | 3000 | 1642 | 76% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP1002-W/B/S-840 | | | 4000 | 1810 | | | | | | |
| VP1002-W/B/S-850 | | | 5000 | 1871 | | | | | | |



Optical accessories See P.012

PHILIPS SLM C 830 1204 L12 G1 3000K

| Beam Angle | h(m) | E(lx) | D(mm) |
|------------|------|-------|-------|
| 20° | 1.0 | 5129 | 490 |
| | 2.0 | 1282 | 980 |
| | 3.0 | 569 | 1470 |
| 40° | 1.0 | 3643 | 690 |
| | 2.0 | 910 | 1390 |
| | 3.0 | 404 | 2080 |
| 55° | 1.0 | 2387 | 960 |
| | 2.0 | 596 | 1930 |
| | 3.0 | 265 | 2890 |

VIPER SERIES MEDIUM FIXED PROJECTOR LED DOWNLIGHT

125



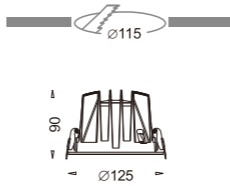
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.36kg
CTN: 36PCS

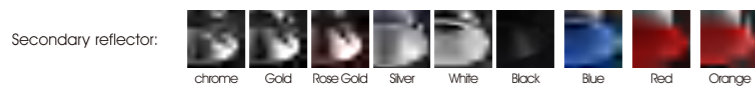
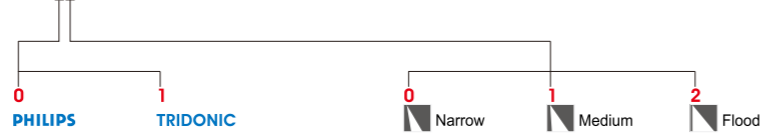
IO5 INTERCHANGABLE OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



| ORDERING CODE | Power (W) | Beam Angle (°) | CCT (K) | Hot Lumen (Lm) | LOR (%) | UGR | On/Off | DRIVER 1-10V | DALI | Triac | | |
|------------------|-----------|----------------|---------|----------------|---------|-----|--------|--------------|------|-------|------|------|
| VP1200-W/B/S-830 | 32 | 20 | 3000 | 2411 | 84% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1200-W/B/S-840 | | | 4000 | 2698 | | | | | | | 5000 | 2752 |
| VP1200-W/B/S-850 | | | 5000 | 2752 | | | | | | | 5000 | 2752 |
| VP1201-W/B/S-830 | 32 | 40 | 3000 | 2398 | 84% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1201-W/B/S-840 | | | 4000 | 2695 | | | | | | | 5000 | 2750 |
| VP1201-W/B/S-850 | | | 5000 | 2750 | | | | | | | 5000 | 2750 |
| VP1202-W/B/S-830 | 32 | 55 | 3000 | 2398 | 84% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1202-W/B/S-840 | | | 4000 | 2690 | | | | | | | 5000 | 2745 |
| VP1202-W/B/S-850 | | | 5000 | 2745 | | | | | | | 5000 | 2745 |



Optical accessories See P.012

PHILIPS SLM C 830 1205 L12 G1 3000K

| Beam Angle | h(m) | E(lx) | D(mm) |
|------------|------|-------|-------|
| 20° | 1.0 | 8617 | 380 |
| | 2.0 | 2154 | 760 |
| | 3.0 | 957 | 1140 |
| 40° | 1.0 | 4910 | 660 |
| | 2.0 | 1227 | 1320 |
| | 3.0 | 545 | 1980 |
| 55° | 1.0 | 3201 | 1040 |
| | 2.0 | 800 | 2080 |
| | 3.0 | 355 | 3120 |

VIPER SERIES LARGE FIXED PROJECTOR LED DOWNLIGHT

155



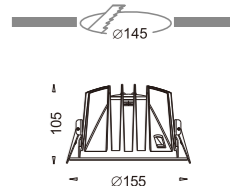
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.58kg
CTN: 24PCS

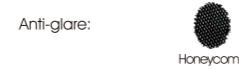
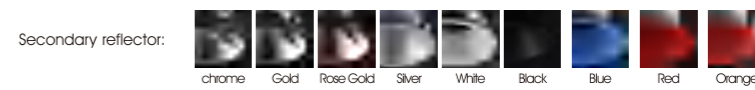
IO5 INTERCHANGABLE OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



| ORDERING CODE | Power (W) | Beam Angle (°) | CCT (K) | Hot Lumen (Lm) | LOR (%) | UGR | On/Off | DRIVER 1-10V | DALI | Triac | | |
|------------------|-----------|----------------|---------|----------------|---------|-----|--------|--------------|------|-------|------|------|
| VP1500-W/B/S-830 | 41 | 20 | 3000 | 3432 | 82% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1500-W/B/S-840 | | | 4000 | 3929 | | | | | | | 5000 | 3780 |
| VP1500-W/B/S-850 | | | 5000 | 3780 | | | | | | | 5000 | 3780 |
| VP1501-W/B/S-830 | 41 | 40 | 3000 | 3429 | 82% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1501-W/B/S-840 | | | 4000 | 3920 | | | | | | | 5000 | 3770 |
| VP1501-W/B/S-850 | | | 5000 | 3770 | | | | | | | 5000 | 3770 |
| VP1502-W/B/S-830 | 41 | 55 | 3000 | 3398 | 81% | <19 | ✓ | ✓ | ✓ | ✓ | | |
| VP1502-W/B/S-840 | | | 4000 | 3880 | | | | | | | 5000 | 3734 |
| VP1502-W/B/S-850 | | | 5000 | 3734 | | | | | | | 5000 | 3734 |



Optical accessories See P.012

PHILIPS SLM C 830 1208 L14 G1 3000K

| Beam Angle | h(m) | E(lx) | D(mm) |
|------------|------|-------|-------|
| 20° | 1.0 | 11536 | 410 |
| | 2.0 | 2884 | 820 |
| | 3.0 | 1281 | 1220 |
| 40° | 1.0 | 6048 | 790 |
| | 2.0 | 1512 | 1590 |
| | 3.0 | 672 | 2380 |
| 55° | 1.0 | 4672 | 990 |
| | 2.0 | 1168 | 1990 |
| | 3.0 | 519 | 2980 |



VIPER SERIES JUMBO FIXED PROJECTOR
LED DOWNLIGHT

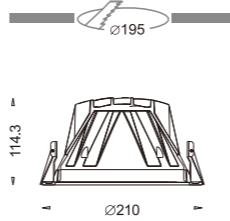
210



IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.92kg
CTN: 16PCS

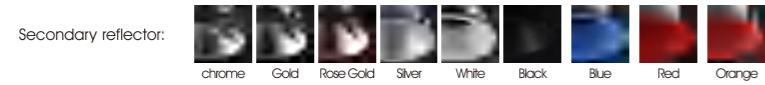
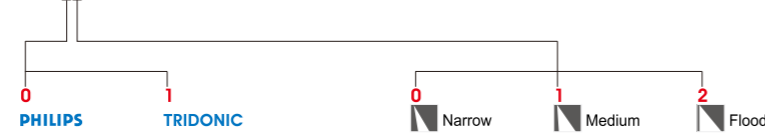
Note: min 80mm(ceiling clearance)



IOS INTERCHANGEABLE OPTICAL SYSTEM See P.012

White Black Silver

| ORDERING CODE | Power (W) | Beam Angle (°) | CCT (K) | Hot Lumen (Lm) | LOR (%) | UGR | On/Off | DRIVER 1-10V | DALI | Triac |
|------------------|-----------|----------------|---------|----------------|---------|-----|--------|--------------|------|-------|
| VP2100-W/B/S-830 | | | 3000 | 4144 | | | | | | |
| VP2100-W/B/S-840 | 50 | 20 | 4000 | 4533 | 86% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP2100-W/B/S-850 | | | 5000 | 4554 | | | | | | |
| VP2101-W/B/S-830 | | | 3000 | 3948 | | | | | | |
| VP2101-W/B/S-840 | 50 | 40 | 4000 | 4342 | 82% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP2101-W/B/S-850 | | | 5000 | 4345 | | | | | | |
| VP2102-W/B/S-830 | | | 3000 | 4049 | | | | | | |
| VP2102-W/B/S-840 | 50 | 55 | 4000 | 4428 | 84% | <19 | ✓ | ✓ | ✓ | ✓ |
| VP2102-W/B/S-850 | | | 5000 | 4448 | | | | | | |



Optical accessories See P.012

PHILIPS SLM C 830 1208 L14 G1

3000K

| Beam Angle | h(m) | E(lx) | D(mm) |
|------------|------|-------|-------|
| 20° | 1.0 | 15661 | 390 |
| | 2.0 | 3915 | 770 |
| | 3.0 | 1740 | 1160 |
| 40° | 1.0 | 6755 | 770 |
| | 2.0 | 1688 | 1540 |
| | 3.0 | 750 | 2320 |
| 55° | 1.0 | 5188 | 1030 |
| | 2.0 | 1297 | 2060 |
| | 3.0 | 576 | 3100 |

