# P45 SYSTEM



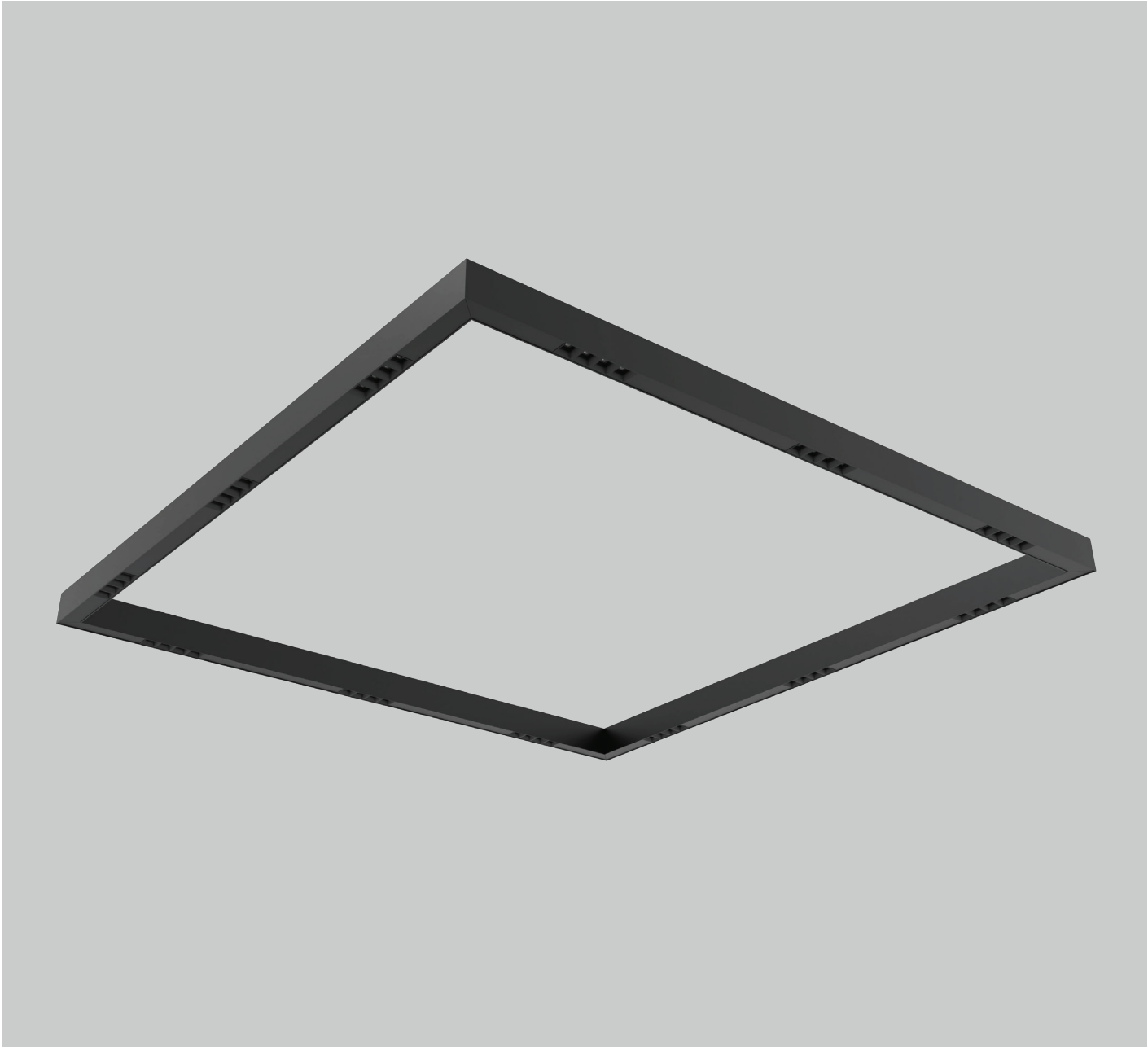| IP20 | 220-240V 50/60 Hz | ⏚ | ≤3 MAC ADAM | CE |

Lighting system made of extruded aluminum profiles. System consists of following components: linear lighting profiles, blind profiles, profiles with build-in 3phase or DALI track, linear and corner connectors. High luminous efficacy optics. Selection of diffusors and low glare UGR<19 lenses. Direct or direct/indirect lighting type. Top quality SMD LED module with colour consistency MacAdams ≤ 3, extensive portfolio of lumen ranges, CCTs and spectra. Variety of drivers: standard EVG on/off, DALI and wireless controlled as MasterConnect or Casambi on request. Built-in or remote, wireless occupancy & daylight sensor available to allow significant energy savings and wireless connectivity. Mounting type: surface mounted or suspended. Standard colour RAL 9003S, any other colour from basic RAL range available at no extra cost. Variety of beam angles, diffusors, lumen outputs and drivers allows to use this luminaire in different types of lighting projects. Wide selection of system parts allows to build different shapes and sizes of lighting systems. Variety of standard track mounted luminaires can be integrated with P45 lighting system. All system components and accessories such as linear connectors, quick connectors, suspension wires or power cables should be ordered separately. Bespoke lengths and shapes of lighting system available on request. Luminous flux & Luminaire Power tolerance up to 10%. System power consumption depends on components used. Luminous efficacy depends on type of LED's, electronics, optics and diffusor. The most up to date technical parameters can be found on our website and in database of LDT files.

Lighting direction:



PDF datasheet:

# P45 SYSTEM

| | |
|---|---|
| **Mounting:** | Surface mounted or suspended |
| **Body material:** | Aluminium profile |
| **Colour:** | Standard white RAL 9003M, other RAL colours on request |
| **Lumen output:** | Standard up to 4000 lm/meter of linear lighting, any other on request |
| **LED module:** | Signify (Philips), Tridonic or equivalent SMD LED modules |
| **Colour temperature:** | 3000/4000K/2700-6500K TW other on request |
| **Colour Rendering:** | CRI>80 in standard, other on request |
| **Driver:** | EVG on-off/DALI/TW DT8/MC ( MasterConnect )/Casambi, other on request |
| **Wireless control:** | Philips MasterConnect / Casambi, other on request |
| **Daylight/Occupancy sensor:** | Built-in IC sensor or wireless ICS sensor |
| **Emergency unit:** | On request |
| **Operating temperature range:** | 0°C ... +35°C |
| **IP Class:** | IP20 in standard |
| **Power:** | 220-240V 50/60Hz |
| **Lighting direction:** | Direct, direct / indirect lighting |
| **Light distribution:** | Symmetric |
| **Diffusor:** | OP opal acrylic / MP19H microprismatic UGR<19 |
| **Optics:** | White reflector / UGR<19 diffused lenses PREMIUM 1 type |
| **Lens shade:** | BM black matt / WM white matt |
| **Beam angle:** | 35°/50°/80° - all types available in our LDT file database |
| **Warranty:** | 5 Years standard warranty |

**P45 SYSTEM DN** surface mounted or suspended system profile, light down, OP or MP19H diffusor.
**P45 SYSTEM UP_DN** suspended system profile, light up&down, OP or MP19H diffusor.
**P45 SYSTEM PREMIUM 1 DN** surface mounted or suspended system profile, light down, UGR<19 BL lenses.
**P45 SYSTEM PREMIUM 1 UP_DN** suspended system profile, light up&down, UGR<19 BL lenses.
**P45 SYSTEM 3P TRACK DN** surface mounted or suspended system profile with built-in 3phase track.
**P45 SYSTEM 3P TRACK UP_DN** suspended system profile with built-in 3phase track and linear light on top.
**P45 SYSTEM DA TRACK DN** surface mounted or suspended system profile with built-in DALI track.
**P45 SYSTEM DA TRACK UP_DN** suspended system profile with built-in DALI track and linear light on top.
**P45 SYSTEM L-CON** system L shaped corner connector.
**P45 SYSTEM T-CON** system T shaped connector.



**MC control**

**Energy saving MasterConnect wireless lighting control system with daylight and movement detection technology on request.**

Zigbee   Bluetooth

All current index numbers, lumen outputs, power consumption and many other technical information are available in our 2024 pricelist.
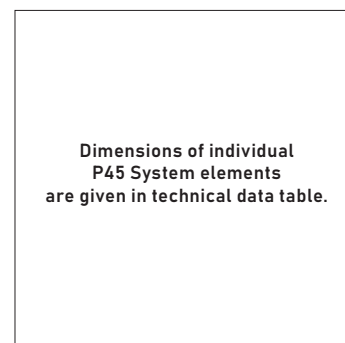Details on wireless lighting control systems on page number 896.



ICSW wireless switch



ICS wireless daylight&occ sensor



IC daylight&occ sensor

**Dimensions of individual P45 System elements are given in technical data table.**

Basic dimensions

# P45 SYSTEM


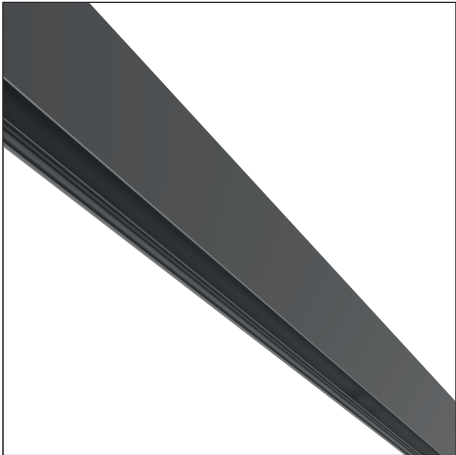OP white acrylic diffusor


MP19H microprismatic UGR<19 diffusor


P45 SYSTEM integrated track


UGR<19 PREMIUM1 4 cell lenses


UGR<19 PREMIUM1 7 cell lenses
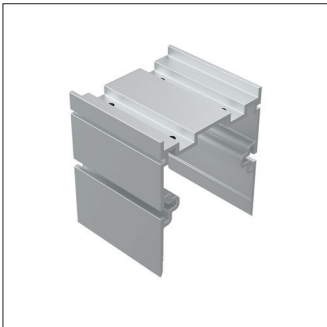

P45 SYSTEM blank profile

## Accessories:


Suspension for P45 SYSTEM – 1,5 m long steel wire (1 piece)


3 or 5 core transparent power feed, 1,5 m including ceiling base


Linear connector for P45 SYSTEM


3 pole quick connectors (Male + Female)


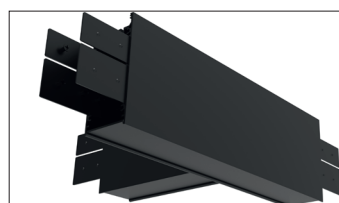5 pole quick connectors (Male + Female)

# P45 SYSTEM

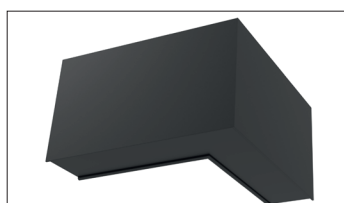P45 SYSTEM basic profile with light DN or UP_DN - available with OP / MP19H diffusors or PREMIUM 1 lense optics..



P45 SYSTEM profile with 3Phase or DALI track in bottom section and upper section with light UP or blank.
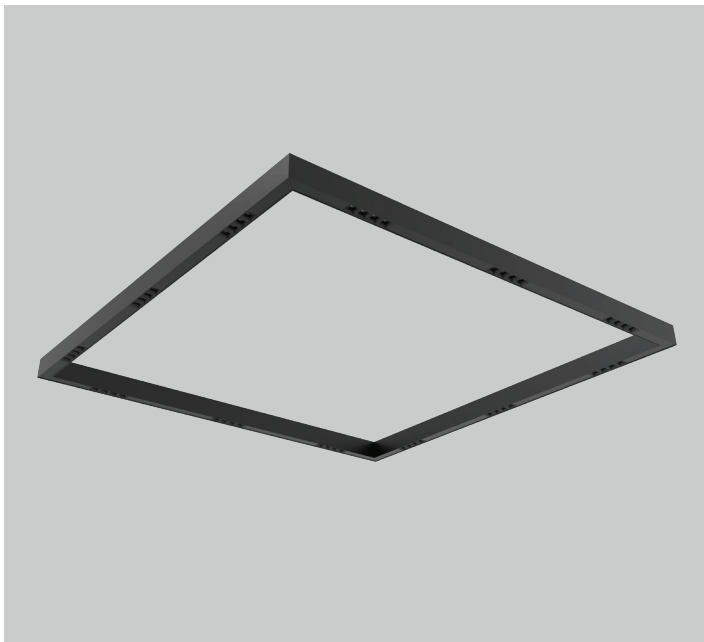


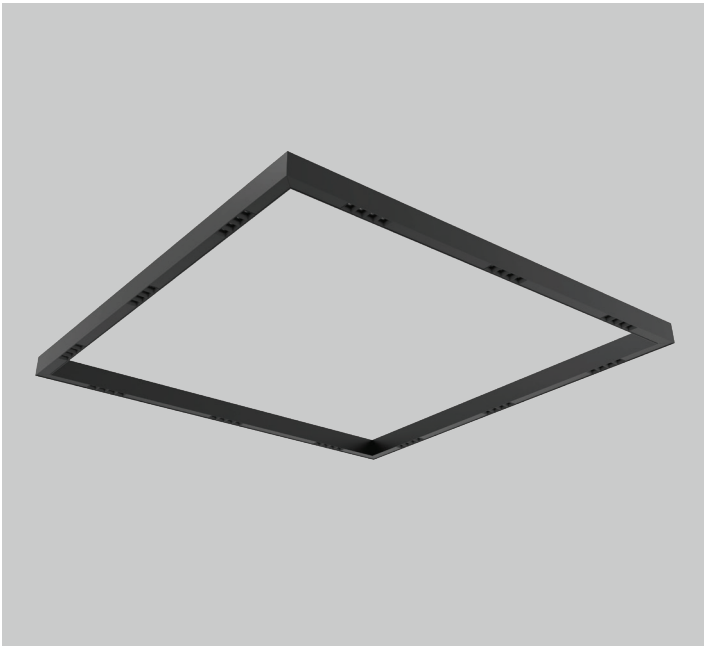P45 SYSTEM standard L shaped corner or T shaped connectors.



**P45 SYSTEM can be built out of standard system elements or made to measure.
Please contact our sales team for details.**

# P45 SYSTEM

| Product code | Product name | Gross Lumen [lm] | Nett Lumen [lm] | Power [W] | Efficacy [lm/W] | Colour temper-ature [K] | Optics | Length [mm] | Width [mm] | Height [mm] | Nett Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **P45 SYSTEM DN - linear profile, light down ( suspension set to be ordered separately )** | | | | | | | | | | | |
| 10.02400.83.E.OP | P45 SYSTEM DN 7700 lm / 830 / E / OP | 7700 | 6160 | 46 | 134 | 3000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| 10.02400.84.E.OP | P45 SYSTEM DN 7700 lm / 840 / E / OP | 7700 | 6160 | 46 | 134 | 4000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| | | | | | | | | | | | |
| 10.02400.83.E.MPH | P45 SYSTEM DN 7700 lm / 830 / E / MPH | 7700 | 6160 | 26 | 237 | 3000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| 10.02400.84.E.MPH | P45 SYSTEM DN 7700 lm / 840 / E / MPH | 7700 | 6160 | 26 | 237 | 4000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| | | | | | | | | | | | |
| 10.02410.83.E.80.LNS | P45 SYSTEM PREMIUM1 DN 7700 lm / 830 / E / 80 / LNS | 7700 | 6780 | 46 | 147 | 3000 | 80° | 2200 | 45 | 80 | 5,9 |
| 10.02410.83.E.50.LNS | P45 SYSTEM PREMIUM1 DN 7700 lm / 830 / E / 50 / LNS | 7700 | 6780 | 46 | 147 | 3000 | 50° | 2200 | 45 | 80 | 5,9 |
| 10.02410.84.E.80.LNS | P45 SYSTEM PREMIUM1 DN 7700 lm / 840 / E / 80 / LNS | 7700 | 6780 | 46 | 147 | 4000 | 80° | 2200 | 45 | 80 | 5,9 |
| 10.02410.84.E.50.LNS | P45 SYSTEM PREMIUM1 DN 7700 lm / 840 / E / 50 / LNS | 7700 | 6780 | 46 | 147 | 4000 | 50° | 2200 | 45 | 80 | 5,9 |
| | | | | | | | | | | | |
| 10.02415.83.E.60.LNS | PROLINE 45 PREMIUM2 S DN 7700 lm / 830 / E / 60 / LNS | 7700 | 6780 | 46 | 147 | 3000 | 60° | 2200 | 45 | 80 | 5,9 |
| 10.02415.84.E.60.LNS | PROLINE 45 PREMIUM2 S DN 7700 lm / 840 / E / 60 / LNS | 7700 | 6780 | 46 | 147 | 4000 | 60° | 2200 | 45 | 80 | 5,9 |
| **P45 SYSTEM UP/DN - linear profile, light up/down ( suspension set to be ordered separately )** | | | | | | | | | | | |
| 10.02420.83.E.OP | P45 SYSTEM UP/DN 14300 lm / 830 / E / OP | 14300 | 11000 | 85 | 129 | 3000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| 10.02420.84.E.OP | P45 SYSTEM UP/DN 14300 lm / 840 / E / OP | 14300 | 11000 | 85 | 129 | 4000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| | | | | | | | | | | | |
| 10.02420.83.E.MPH | P45 SYSTEM UP/DN 14300 lm / 830 / E / MPH | 14300 | 11000 | 85 | 129 | 3000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| 10.02420.84.E.MPH | P45 SYSTEM UP/DN 14300 lm / 840 / E / MPH | 14300 | 11000 | 85 | 129 | 4000 | Symmetrical | 2200 | 45 | 80 | 6,5 |
| | | | | | | | | | | | |
| 10.02430.83.E.80.LNS | P45 SYSTEM PREMIUM1 UP/DN 14300 lm / 830 / E / 80 / LNS | 14300 | 11440 | 85 | 135 | 3000 | 80° | 2200 | 45 | 80 | 5,9 |
| 10.02430.83.E.50.LNS | P45 SYSTEM PREMIUM1 UP/DN 14300 lm / 830 / E / 50 / LNS | 14300 | 11440 | 85 | 135 | 3000 | 50° | 2200 | 45 | 80 | 5,9 |
| 10.02430.84.E.80.LNS | P45 SYSTEM PREMIUM1 UP/DN 14300 lm / 840 / E / 80 / LNS | 14300 | 11440 | 85 | 135 | 4000 | 80° | 2200 | 45 | 80 | 5,9 |
| 10.02430.84.E.50.LNS | P45 SYSTEM PREMIUM1 UP/DN 14300 lm / 840 / E / 50 / LNS | 14300 | 11440 | 85 | 135 | 4000 | 50° | 2200 | 45 | 80 | 5,9 |
| | | | | | | | | | | | |
| 10.02435.83.E.60.LNS | P45 SYSTEM PREMIUM2 S UP/DN 14300 lm / 830 / E / 60 / LNS | 14300 | 11440 | 85 | 135 | 3000 | 60° | 2200 | 45 | 80 | 5,9 |
| 10.02435.84.E.60.LNS | P45 SYSTEM PREMIUM2 S UP/DN 14300 lm / 840 / E / 60 / LNS | 14300 | 11440 | 85 | 135 | 4000 | 60° | 2200 | 45 | 80 | 5,9 |
| | | | | | | | | | | | |
| **P45 SYSTEM INCLUDING 3 PHASE TRACK** | | | | | | | | | | | |
| 10.02440.2200 | P45 SYSTEM 3FT / 2200 | | | | | | | 2200 | 40 | 80 | 8,5 |
| **P45 SYSTEM INCLUDING DALI TRACK** | | | | | | | | | | | |
| 10.02445.2200 | P45 SYSTEM 5FT / 2200 | | | | | | | 2200 | 40 | 80 | 8,5 |
| **P45 SYSTEM CORNER CONNECTOR 150x150** | | | | | | | | | | | |
| 10.02450 | P45 SYSTEM CORNER 150 | | | | | | | 150 | 150 | 80 | 1,1 |
| **P45 SYSTEM LINEAR CONNECTOR 200** | | | | | | | | | | | |
| 10.02451 | P45 SYSTEM LINEAR 200 | | | | | | | 200 | 200 | 80 | 0,6 |
| **P45 SYSTEM T-CONNECTOR 260x110** | | | | | | | | | | | |
| 10.02452 | P45 SYSTEM T | | | | | | | 260 | 110 | 80 | 1,1 |

# P45 SYSTEM

| Product code | Product name |
|---|---|
| **ACCESSORIES** | |
| 90.00440 | Suspension for PROLINE 45 - 1,5 m long steel wire ( 1 piece ) |
| 90.00101.15 | Transparent 3 core power cable 1,5 m long, ceiling cup included |
| 90.00102.15 | Transparent 5 core power cable 1,5 m long, ceiling cup included |
| 90.00441 | Linear connector for PROLINE 45 |