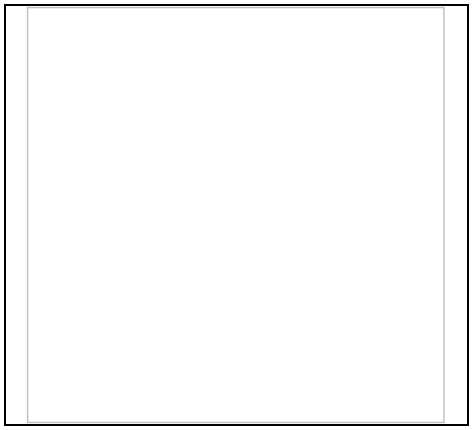
# TYK+ 20 C/I

## Part number 3107313



### Description

LED floodlight for indoor and outdoor, comprising:
- Die-cast aluminium separate housing compartments to maximise heat dissipation between electronic components and the LEDs, polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- Extra-clear, toughened, flat glass diffuser, silk-screened on the inside
- Glazing diffuser permanently sealed to the housing trough high-temperature resistant silicone
- High-transparency polycarbonate optics
- Intensive circular optic
- Anti-ageing custom moulded silicone sealing gasket(s) with resilient elastic return capacity
- Tear-proof nickelled brass cable gland M20x1.5 for cables Ø 10 mm- Ø 14 mm
- Driver integral surge protection up to 6 kV (DM)
- Stainless steel locking hardware
- Stainless steel wall-mounting bracket
- Integral graduated stainless steel goniometer for precise aimings
- The snoot accessory is compatible with narrow-beam (C/I) optics
- Built-in driver

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

**info.it@pil.lighting**
www.performanceinlighting.com

## Product data

| | | | |
|---|---|---|---|
| **ETIM Group:** | EG000027 | **ETIM Class:** | EC001744 |

## General information

| | | | |
|---|---|---|---|
| **Lampholder:** | LED | **Light source:** | LED |
| **Lightsource lumen output [lm]:** | 4165 | **Luminaire lumen output [lm]:** | 3303.63 |
| **Luminaire wattage [W]:** | 35 W | **Luminous efficacy [lm/W]:** | 94 |
| **CRI:** | 80 | **Colour temperature [K]:** | 4000 |
| **Colour / Finishing:** | AN-96 / Anthracite gray / Textured | **IP degree of protection:** | IP66 |
| **Impact resistance / impact energy:** | IK07 2J xx5 | **Protection class:** | II |
| **Optic:** | C/I - Circular Intensive | **Beam angle:** | 10° |
| **Net weight [kg]:** | 4.416 | **Overall diameter [mm]:** | 234 |
| **Overall length [mm]:** | 234 | **Overall width [mm]:** | 275 |
| **Overall height [mm]:** | 114 | | |

## Mechanical features

| | | | |
|---|---|---|---|
| **Shape:** | Round 150 ≤ x ≤ 300 mm | **Housing material:** | Aluminium |
| **Diffuser material:** | Glass | **Glow wire test [°C]:** | 650 °C |
| **Frontal exposed area [m²]:** | 0.04 | **Lateral exposed area [m²]:** | 0.03 |
| **Top exposed area [m²]:** | 0.03 | | |

## Electrical features

| | | | |
|---|---|---|---|
| **Voltage type:** | AC/DC | **Input voltage [V AC]:** | 220/240 |
| **Input frequency [Hz]:** | 0/50/60 | **Power factor / COS Φ:** | >0.9 |
| **Input voltage [V DC]:** | 170/264 | **Surge protection \| Common [kV]:** | 6.000000 |
| **Surge protection \| Differential [kV]:** | 6.000000 | **Inrush current [A/µs]:** | 42 / 238 |
| **C10 1.5 mm²:** | 10 | **C16 2.5 mm²:** | 17 |
| **B10 1.5 mm²:** | 6 | **B16 2.5 mm²:** | 10 |

## Installation

| | | | |
|---|---|---|---|
| **Application area:** | Outdoor lighting | **Mounting type:** | Architectural floodlight |
| **Min. ambient temperature [°C]:** | -40 | **Max. ambient temperature [°C]:** | 50 |
| **Glass temperature [°C]:** | 50 | | |

## Light features

| | | | |
|---|---|---|---|
| **MacAdam:** | 3 | **Lumen maintenance:** | L90B10@94000h |
| **Distribution of light emission:** | Direct | **Luminous Intensity Class:** | G*6 |

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

**info.it@pil.lighting**
www.performanceinlighting.com

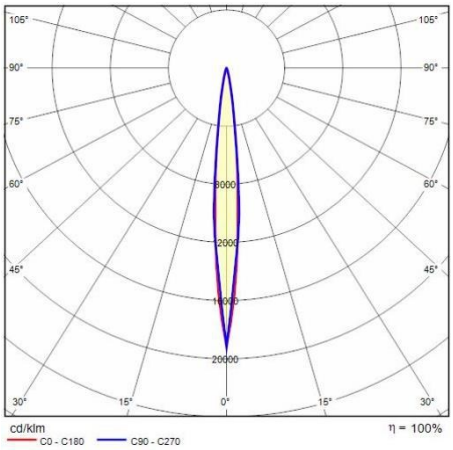
Zero light pollution (ULR = 0%):

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

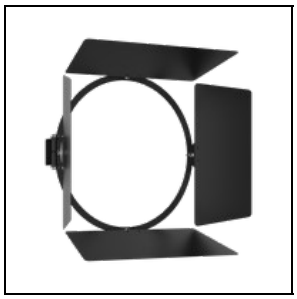
**info.it@pil.lighting**
www.performanceinlighting.com

## Photometric data




## Optional accessories

TYK+ 20



**3112970**

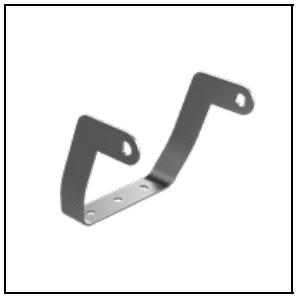
Barndoors painted

BK-81 / Black

**3107466**

Anti-glare snoot

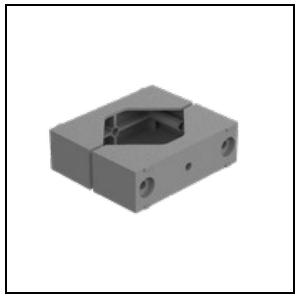
BK-81 / Black



**3108557**

Extra rotation bracket +55°/-90°

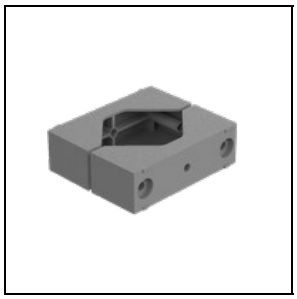
INOX / Stainless steel



**14029094**

Gliding support made of painted aluminium for the installation on 60-76 mm Ø posts. 1 luminaire

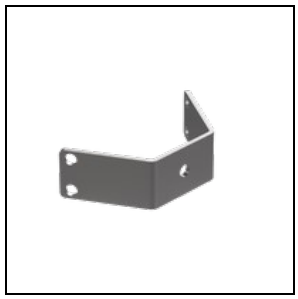
GR-94 / Metallic grey



**14047194**

Gliding support made of painted aluminium for the installation on 60-76 mm Ø posts. 2 opposed luminaires

GR-94 / Metallic grey



**3107473**

Two-axis rotation bracket for gliding support

INOX / Stainless steel

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

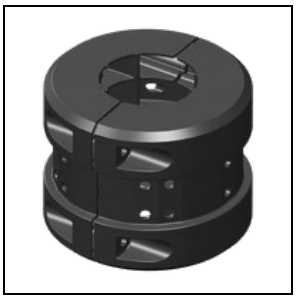
For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

**info.it@pil.lighting**
www.performanceinlighting.com

**14099696**

Gliding support made of painted aluminium for the installation on Ø 90 mm posts

AN-96 / Anthracite gray



**14099896**

Gliding support made of painted aluminium for the installation on Ø 60 mm posts

AN-96 / Anthracite gray

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

**info.it@pil.lighting**
www.performanceinlighting.com