Product data sheet

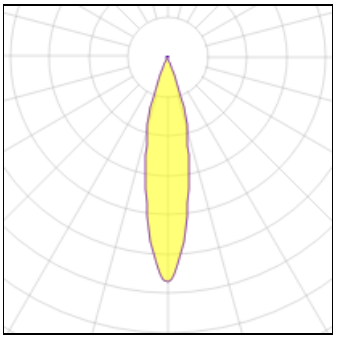
SMOOTHY 2.4 P (21°) [3000K 7W 24VDC]
SY240205PL
L&L LUCE&LIGHT



IP 65 IK 08

Smoothy 5.6 recessed for outdoor applications; walkover; recessed (ceiling, wall, floor); Power consumption: 3.5W (5° optics), 5W, 7W; RGB: max 7W; Power supply: 24Vdc; RGB: max 700mA; Lumen output at source: 452 lm (3000K, 5W, CRI >90), 488 lm (3000K, 5W, CRI 80), 608 lm (3000K, 7W, CRI >90), 657 lm (3000K, 7W, CRI 80), RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA); Delivered lumen output: 284 lm (3000K, 34°, 5W, CRI >90), 352 lm (3000K, 34°, 5W, CRI 80), 374 lm (3000K, 34°, 7W, CRI >90), 463 lm (3000K, 34°, 7W, CRI 80), RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°); 1 high-intensity power LED, 3-step MacAdam; RGB: 3 power LEDs 50 000h L90 B10 (Ta 25°C); LED colour: 2700K, 3000K, 4000K, RGB; Optics: 5° tiltable ±15°, 8° tiltable ±15°, 17° tiltable ±15°: optical system consisting of a high-efficiency TIR lens combined with a high-quality technical filter, 5° tiltable ±15°, 8° tiltable ±15°, 11° tiltable ±15°, 17° tiltable ±15°, 20° tiltable ±15°, sharp 21° tiltable ±15°, 34° tiltable ±15°, 45° tiltable ±15°, sharp 61° tiltable ±15°, 13°x52° tiltable ±15°, 21°x42° tiltable ±15°, 11° tiltable ±15°, 34° tiltable ±15°, 45° tiltable ±15°: optical system consisting of a high-efficiency TIR lens, 20° tiltable ±15°, 34° tiltable ±15°, 21°x42° tiltable ±15°: optical system consisting of 3 high-efficiency TIR microlenses (RGB), sharp 21° tiltable ±15°, sharp 61° tiltable ±15°: SHARP optical system consisting of a plano-convex lens for an extremely well-defined light beam, 45° tiltable ±15°: optical system consisting of a high-efficiency TIR lens combined with a high-quality technical filter (RGB), 13°x52° tiltable ±15°: optical system consisting of a high-efficiency TIR lens combined with a high-quality elliptical technical filter; CRI Colour Rendering Index: 80, >90; Body material: body made of ANTICORODAL 6082 aluminium alloy, made entirely on a CNC lathe and then electro-coloured black. Trim in AISI 316L stainless steel, made with a CNC lathe, body made of ANTICORODAL 6082 aluminium alloy, made entirely on a CNC lathe and then electro-coloured black. Trim in brass, made with a CNC lathe; Finishes: stainless steel, brass; RAL finish on request; Screen material: 10-mm-thick transparent extra-clear glass, high transmittance to ensure chromatic uniformity of light and tempered for excellent resistance to knocks and scratches; Seals: the silicone rubber gaskets guarantee maximum resistance to UV rays and unchanging mechanical characteristics over time; Thickness of installation surface: min 0 mm, max 25 mm; power supply unit not included; Wiring: parallel; RGB: series; includes 1,5 m neoprene cable, H05RN-F 2x0,75/0,75 Ø6,3 mm; RGB: includes 1,5 m FEP+RUB cable (equivalent to H05RN-F cable) 6x0,50/0,50 Ø6,3 mm; Ingress protection: IP65, IP67; Impact resistance: IK08; 5° optics and 3.5W version: 4000K only CRI 80; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; Operating temperature: -20°C — +45°C; Maximum device temperature: 50°C (Ta 25°C); Glow wire test: 960°; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 940 g; Dimensions: Ø109x102 mm; Cutout dimensions: Ø100 mm; Volume of thermal heatsink: Ø220x160 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC4050 Outer casing, WE0702S Anti-glare screen, half transparent and half serigraphed black, WG0505 Retaining spring clip Ø100mm, WH0205 Honeycomb louvre , WL0500 Suction cup; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Light output 1



1 x LED

Nominal lamp power	7 W	LOR	100%
Lamp flux	323 lm	Total flux	323 lm
Luminous efficacy	46 lm/W	Total power	7 W
CCT	3000 K		
CRI	80		

Mounting mode

Floor recessed

Shape and measurements

Height: 2.64 in

Diameter: 3.31 in

Adjustability

Fixed

Electric

System power: 7 W

Appliance Class: III

Protection

IP: 65

IK: 08

Other operating numbers

Ambient temperature range: -4...113°F