

Vulkan

since 1898

A brand of Hess



News
2022

Vulkan – the traditional brand

Vulkan stands for products that are of premium quality, in terms of engineering, as well as highly efficient and have been for more than a century.

Vulkan's roots go all the way back to the year 1898. This makes Vulkan one of the oldest brands in the lighting industry. Particularly within the German-speaking area, the company enjoys a very good reputation.

Vulkan offers cities, municipalities and energy suppliers, technically highly advanced products for a standard-compliant illumination of streets, central traffic intersections, car parks, pedestrian zones and public facilities.

Vulkan – well-engineered and efficient

Technically advanced outdoor luminaires ensure high reliability and a long service life. Vulkan also stands for extremely attractive conditions. The combination of very high levels of energy-efficiency and long maintenance intervals result in very lucrative payback periods for Vulkan customers.

Energy efficiency meets high functionality

Vulkan luminaires are designed for a high level of technical functionality and maximum energy efficiency. Both are achieved through the use of state-of-the-art LED technology – paired with a high level of expertise in the field of mechanical design.

In addition, we align ourselves very closely with our customer requirements when developing new products. Depending on the corresponding application area, we develop lighting technology that is optimally matched to the requirements.

VULKAN – Quality from the Black Forest.

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Hess – enhancing urban spaces

Thanks to its extremely varied range of luminaires, premium supplier Hess is able to fulfil every lighting design requirement for public and private outdoor spaces and exterior illumination of objects and properties. Together with the Hess brand Vulkan, the company covers almost the entire spectrum of outdoor lighting – from technically efficient to multifunctional, smart luminaires.

Perfectly matched, high-quality site furnishings round out the product portfolio. The perfect combination of luminaires and site furnishings allows the realisation of holistic concepts for urban and open space design – and, as a special hallmark of Hess, also the most unique special solutions.

As the world's first manufacturer of LED streetlights, Hess played a pioneering role in innovative LED outdoor lighting already in 2003.

Hess offers a portfolio of innovative LED lights, which feature a unique design, modular LED technology and intelligent lighting management systems.

In addition to luminaires, Hess also produces high-quality site furnishings comprising among others benches, planters, barrier systems, waste receptacles, tree grates and bicycle racks. The products are conceived for the most demanding conditions while taking into account the highest design requirements.

Hess supports cities and municipalities on their way to becoming "Smart Cities" – with a comprehensive, innovative and design-oriented portfolio of products and solutions.

Hess: Enhancing urban spaces – we enhance smart cities.



News 2022



Product line
V305X



Product line
V308X

V305X

Technical luminaires



V3051



V3050 V3051 V3052 V3053

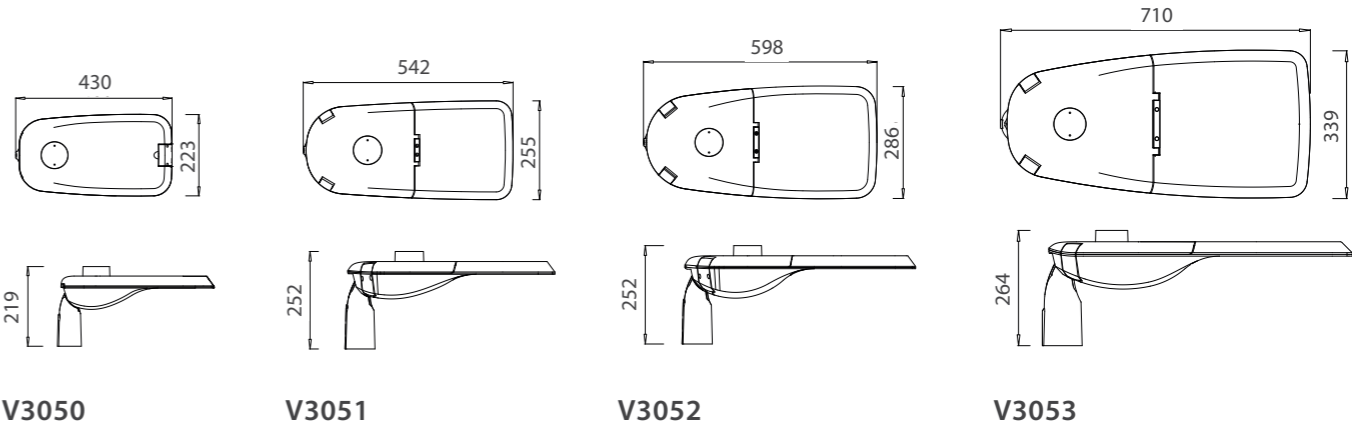
Technical and efficient – family of luminaires in a simple, pleasing design

- ✓ Luminaire family with four sizes – for a uniform appearance across all application situations
- ✓ Easy maintenance via tool-free quick-release fasteners, detentable housing with partition plug and separately removable electronic support carrier
- ✓ Easy one-man installation
- ✓ Spigot for universal top and side mounting

CE IP66 IK09 100.000 h L90/B10 5 YEARS 10 YEARS 10-year guarantee on request

*in preparation

Dimensional drawing in mm



General specifications

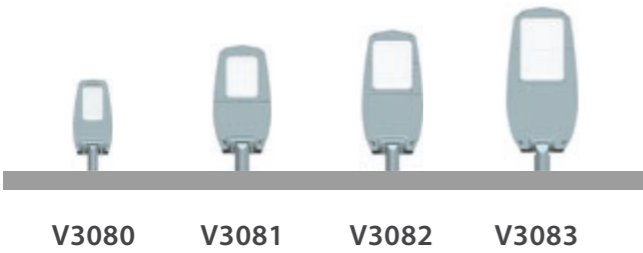
| | |
|----------------------------|---|
| Enclosure | Flat single-pane tempered safety glass, partially printed on the inside in grey |
| Rated luminous flux | 2050 lm – 26800 lm, L90/B10 at 100.000h |
| Light colour | 4000 K, 3000 K, others on request |
| Rated input power | 15 W – 200 W |
| Protection rating | I or II |
| Surface vulnerable to wind | 0,05 m² – 0,11 m² |
| Weight | 5,8 kg – 14,6 kg |
| Finish | Vulcano grey bright, structured, others on request |
| Optics | Page 10 |

Additional specifications

| | |
|------------------|--|
| Housing | Powder-coated, die-cast aluminium |
| Attachment | Spigot Ø 48 / 60 / 76mm for Pole top- and side mounted luminaire |
| Light regulation | Constant Lumen Management (CLM); autonomous performance reduction for operation in networks without a control line (Light Regulation Autarkic - LRA); performance reduction by switching off a control line (Light Regulation Twin - LRT)) |
| | Digital communication with DALI |
| | Radio-controlled Light Management System (LMS) with monitoring, error messages, motion control and other features |

V308X

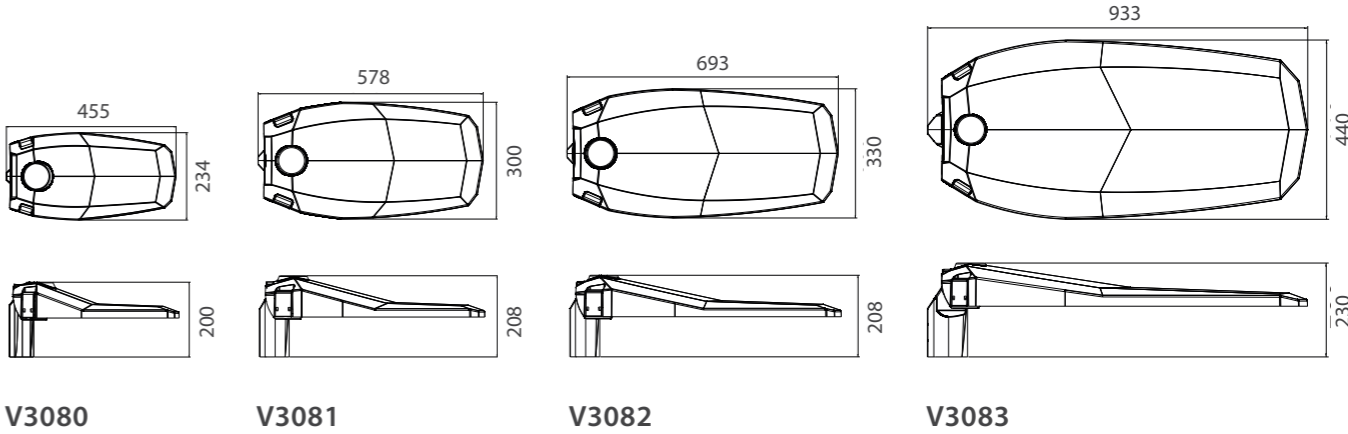
Technical luminaires



Technical and efficient – Powerful luminaire family for almost any application

- ✓ Luminaire family with four sizes for a uniform appearance across all application situations
- ✓ Easy one-man installation
- ✓ Easy maintenance via tool-free quick-release fasteners, detentable housing with partition plug and separately removable electronic support carrier
- ✓ Tool-free separation of base support on pole and swing-down luminaire with LED and electrical block for simplified installation or replacement if necessary.
- ✓ Spigot for universal top and side mounting

Dimensional drawing in mm



General specifications




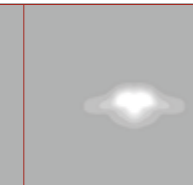
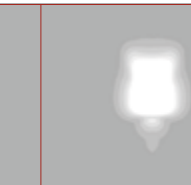
| | |
|----------------------------|---|
| Enclosure | Flat single-pane tempered safety glass, partially printed on the inside in grey |
| Rated luminous flux | 1530 lm – 27720 lm, L90/B10 at 100.000h |
| Light colour | 4000 K, 3000 K, others on request |
| Rated input power | 11 W – 210 W |
| Protection rating | I or II |
| Surface vulnerable to wind | 0,07 m² – 0,19 m² |
| Weight | 5,8 kg – 14,6 kg |
| Finish | DB703 (others on request) |
| Optics | Page 10 |



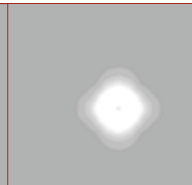


Additional specifications

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Optics

Overview

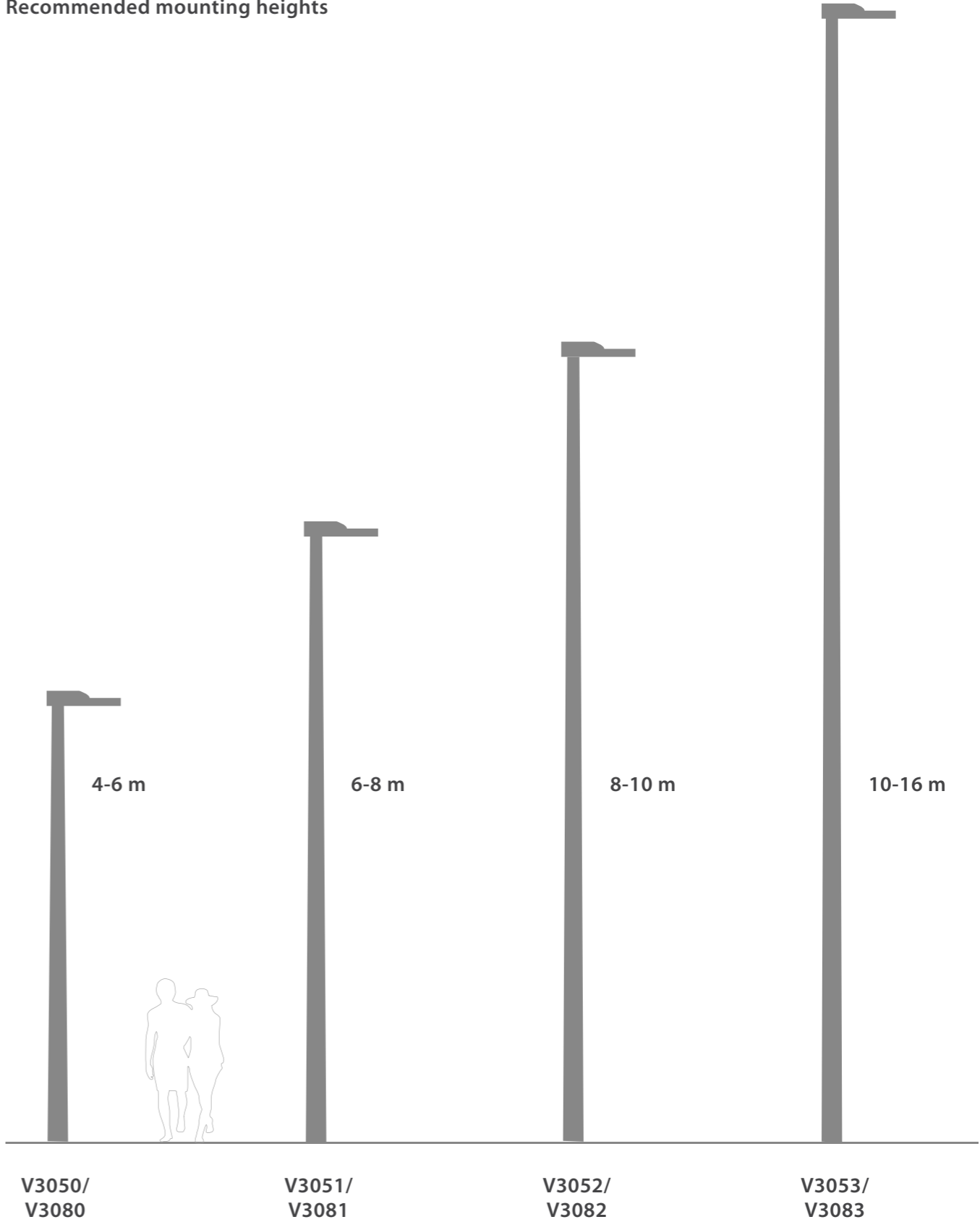
| |  |  |  |  |  |
|------------|---|---|---|--|---|
| Luminaires | Optics O1 Major road | Optics O2 High-traffic road | Optics O3 Low-traffic road | Optics O4V Cycle path / Pavement | Optics O5 Area lighting |
| V305X | ✓ | ✓ | ✓ | ✓ | ✓ |
| V308X | ✓ | ✓ | ✓ | ✓ | ✓ |

| |  |  |  |  |  |
|------------|---|---|---|--|---|
| Luminaires | Optics O6 Pedestrian crossing | Optics O7 Major road / High-traffic road | Optics O8 Pedestrian path / symmetric | Optics O9 Pedestrian path / asymmetrical | Optics O10V Sport facilities / Parking areas |
| V305X | ✓ | Standard | ✓ | ✓ | ✓ |
| V308X | ✓ | Standard | ✓ | ✓ | ✓ |

All optics (cluster of 4) can be combined with each other and can be factory-configured in 90 degree increments.

Mounting heights

Recommended mounting heights





Product: V3080
Erzhausen, Germany



Product: V3080
Erzhausen, Germany





Product: V3081
Einbeck, Germany





Product: V3081
Einbeck, Germany



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