DALVIK

Your city will love them ...
Your city will love ...
... their versatility
  streets, paths, and public area lighting

... their design
  aesthetic and individuality

... their flexibility
  adapters for the various poles

... their functionality and technology
  fitting options, dimming systems, technical data
DALVIK. The LED design luminaire for all urban design requirements – by Hess.

What are your requirements?  
You want to install lighting for streets, paths and for public spaces?  
But you want all installations to have a uniform design?

We provide the solution which meets your requirements.

DALVIK – Your city will love them ...
DALVIK. Aesthetic and individuality.
The sophisticated design of the DALVIK is reflected in the very compact construction of this pole-mounted luminaire.

The DALVIK consists of a very flat, rectangular, cast-aluminium luminaire head – and it is available in 2 variants – as DALVIK S and as DALVIK R.

DALVIK S

The design of DALVIK S is characterised by two shadow gaps running continuously around the housing.
DALVIK R

The DALVIK R is even more exclusive. Its continuous design bracket made of brushed stainless steel is truly eye-catching.

Whatever choice you make – both DALVIK variants are guaranteed to give your city, your path, or your area a most attractive appearance.

DALVIK – Your city will love them ...
DALVIK
FLEXIBILITY

DALVIK. Flexibility in perfection.
Whether third-party or Hess poles.
Whether with a small or large diameter.
Or even several fittings in combination with Hess’ City Elements.

We offer the most varied pole connections and thus ensure a particularly broad application range.

DALVIK is optimally suited for third-party poles with various adapters. This makes DALVIK the ideal choice for retro-fitting existing lighting installations.

The DALVIK can also be mounted to Hess poles with diameters ranging from 60 – 230 mm.

In combination with Hess’ multifunctional CITY ELEMENTS illuminating column, several fittings at different positions are possible. In this way, various light source heights and lighting functions can be combined using one pole.

DALVIK – Your city will love them ...

THIRD-PARTY POLES S/R
Spigot Ø 76,1/60,3 mm

HESS POLES S/R
Spigot Ø 82,5 mm

Spigot Ø 88,9 mm

Spigot double Ø 88,9 mm

CITY ELEMENTS
DALVIK S adaptor 230/180

DALVIK S Wall bracket
Wall adaptor
DALVIK.
Functionality and technology – just as you require it.

Transform any DALVIK into your DALVIK.

Technical fittings are made entirely according to your wishes and requirements.

With one simple objective in mind:
To always deliver the best light.

A choice of 1 to 3 LEVO Q modules, each providing a system capacity of 30 watts, can be fitted. The modules are available with rotationally symmetrical or asymmetrical optics. Cluster optics of polymethyl methacrylate (PMMA) ensure optimum light control.

The light colours 3000 K, 4000 K and, upon request, 5600 K are available.

DALVIK – Your city will love them ...
For needs-based control of the light, the DAVLIK luminaire can be connected to various control systems by Hess. DIMPro for example, allows for an individually adaptable control of the light intensity. You will continue to benefit from this additional efficiency increase for a long time.

The simple and efficient maintenance concept allows for quick and easy replacement of the LED modules.
**DALI**

The controller fitted as standard with a DALI interface can easily be integrated into a DALI controlled lighting system.

**StepDIM**

The luminaires' factory default programming is intended for single-stage night-time dimming (30, 50, or 70 %). The control is integrated in the ballast and operates via an additional 230 V control lead.

**AstroDIM**

The customer can specify up to two night-time dimming stages (for example 80 % and 40 %) over a continuous dimming range from 10 to 100 %. The relevant values are preset at the factory.

The driver determines the theoretical midnight time based on switch-on and switch-off and dims to preset times before and after this theoretical midnight. This is a self-contained and stand-alone system which requires no additional equipment.

**DIMPro**

With the addition of a movement detector and an antenna in the luminaire housing plus an external master module equipped with GPS an intelligent dimming schedule can be implemented. The master module transmits location, date and time to other luminaires in the system. The system's data can be remotely accessed and new software versions uploaded if required.

The LED luminaires offer one night-time dimming stage (10 – 100 %) along with the capacity to add a second, freely defined level, for example if a car passes in the street.

The luminaires can be pre-programmed or programmed on site.

**Evening** (high volume of traffic, e.g. 100 % capacity)

**Night-time dimming** (low traffic volume, e.g. from 11 p.m. onwards, to 10 % capacity)

**Event** (e.g. 70 % capacity, temporary)

**Morning** (high volume of traffic, e.g. 100 % capacity)
The LEVO Q module is available with symmetrical and asymmetrical light distribution. The LEVO Q module is an extension of the LEVO family and offers comprehensive applications for the homogeneous illumination of streets, public spaces and urban areas.

**Optics for public space and path illumination**
- rotationally symmetrical

**Optics for wide roads and paths**
- asymmetrical (ME optics), deep-wide distribution

Dimensions in mm:

![Diagram showing dimensions of DALVIK S and DALVIK S double modules]
Equipment LEVO Q-Module (in extracts)

<table>
<thead>
<tr>
<th></th>
<th>1 x LEVO Q-Module</th>
<th>2 x LEVO Q-Module</th>
<th>3 x LEVO Q-Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optics</td>
<td>PMMA cluster optics</td>
<td>PMMA cluster optics</td>
<td>PMMA cluster optics</td>
</tr>
<tr>
<td>Number of LEDs</td>
<td>25</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>Colour temperature [K]</td>
<td>3,000 / 4,000 / 5,600*</td>
<td>3,000 / 4,000 / 5,600*</td>
<td>3,000 / 4,000 / 5,600*</td>
</tr>
<tr>
<td>Colour rendering index CRI</td>
<td>82 / 75 / 70</td>
<td>82 / 75 / 70</td>
<td>82 / 75 / 70</td>
</tr>
<tr>
<td>Operating current [mA]</td>
<td>350</td>
<td>350</td>
<td>350</td>
</tr>
<tr>
<td>Recommended mounting height [mm]</td>
<td>4000 - 6000</td>
<td>4000 – 6000</td>
<td>6000 – 8000</td>
</tr>
<tr>
<td>Dimming</td>
<td>DALI / StepDIM / AstroDIM / DIMPro</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated ambient temperature</td>
<td>25°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service life (h) at 70 % luminous flux</td>
<td>&gt; 50.000 (L70 / B10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use suited to lighting class</td>
<td>S5, S6, ME6</td>
<td>S4, S5, S6, ME5, ME6</td>
<td>S3, S4, S5, S6, ME5, ME6</td>
</tr>
<tr>
<td>Note</td>
<td>operation of the LED module with this ballast with 350 mA (max.500mA) depending on the luminaire.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* colour temperature 5,600 K upon request

Technical product details

Daily updated data sheets for all products are available on the Hess website (www.hess.eu). They include all relevant performance information for LED-equipment.

Direct link: DALVIK data sheet PDF
Thanks to an extremely varied range of luminaires, Hess is able to fulfil every lighting design requirement in outdoor public spaces, as well as interior and exterior architectural lighting. Perfectly matching, high-quality site furnishings complete the product portfolio.

Light and form are part of our company name, and thus firmly anchored in our corporate philosophy and our very genes. Hess stands for the very best lighting solutions and an unparalleled expression of design. The perfect interplay of light and form is what makes our products unique.

Combining lighting and furnishings to optimum effect allows integrated concepts and customised special solutions to be implemented across urban and outdoor spaces in line with the Hess slogan “enhancing urban spaces”.

Combining design, innovation and tradition has made Hess a leading international brand. We support and assist architects, designers, cities, communities, and building owners from the planning stage through to installation – throughout Europe and beyond.

With the main factory located in Villingen-Schwenningen (Germany), there is also a manufacturing site in Gaffney, South Carolina (USA). Hess has been a subsidiary of the Nordeon Group since 1 October 2013.