

HSL

IP 66

IK 09
(Glass)

IK 10
(Polycarbonate)

Class I
(Glass)
(Fire resistance)



The compact and aerodynamic design in combination with the design brackets, makes the HSL suitable for a wide range of applications. From high-speed train/metro tunnels, to underground and aboveground stations. The high performance optics, the material choice and the robust construction guarantee a good light performance, even under extreme conditions.

Applications

Consult pages 16-19

Lamps

Compact fluorescent
up to 80W

Fluorescent tubular
(1 or 2 lamps)

up to 58W (FD)

up to 80W (FDH)

High pressure sodium
up to 70W



- 1 **Housing** corrosion-resistant made of 2.5mm extruded aluminium EN AW 6060 (conforms to EN 1706, AlSi10Mg Si 0.5) with 5mm cast aluminium end caps EN AC 43000 (conforms to EN 1706, AlSi10Mg-a). Impact Resistance IK 09 (glass) and IK 10 (polycarbonate) – EN 50102. Fire Resistance Class 1 with glass cover, conforms to NEN 6065.
- 2 **Cover** made of 5mm thermally toughened glass (DIN 12150) in aluminium frame.
- 3 **Closing/opening** with two positive stainless steel clip fasteners (DIN 17224).
- 4 **Finish** made of high quality pre-treatment and polyester epoxy powder coating (65 µm), standard colour RAL 9007.
- 5 **Gasket** EPDM cell rubber. Robust sealing technique provides assured IP 66 (conforms to EN 60598), designed to withstand under-pressure and overpressure of -6kPa to 6kPa in 8 seconds.
- 6 **Gear tray** thermally galvanised steel plate.
- 7 **Gear** HF electronic ballast (power factor > 0.95) for fluorescent lamps. Ambient temperature -15°C to 40°C.
- 8 **Optics** made of high-performance anodised aluminium symmetrical (SNN) or asymmetrical (ANN) reflector.
- 9 **Cable entry** polyamide M20 gland, suitable for cable 10-14mm.
- 10 **Cable connection** 3x 4mm² plug and socket, Class 1 230V/50Hz.
- 11 **Mounting** several brackets available, stainless steel 1.4401 (DIN 17224) or aluminium cast design bracket.

Mounting

There are various brackets available, adjustable at any position length for tailor-made mounting.



Ceiling bracket.



Wall bracket.



Design bracket.



Z-bracket.

Maintenance

Opening and closing is very easy without tools by means of two stainless clips. For pedestrian areas a clip only to be opened (screw) with tools is available.

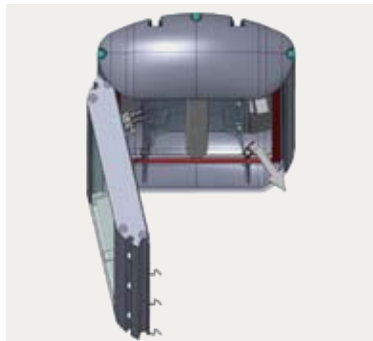


Stainless steel clip.

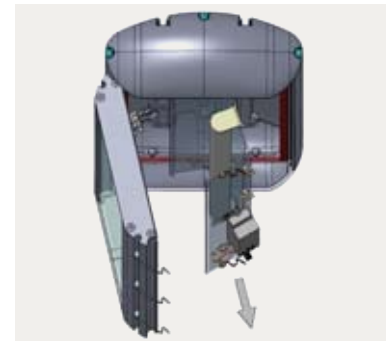
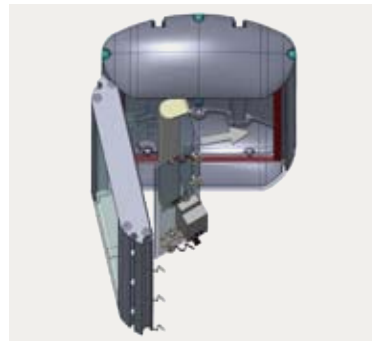


Clip to be opened with tool.

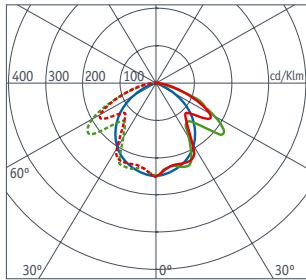
The gear and optic are easily replaceable without use of tools via touch-proof plug and socket.



Hinged and easy removable gear tray.



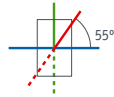
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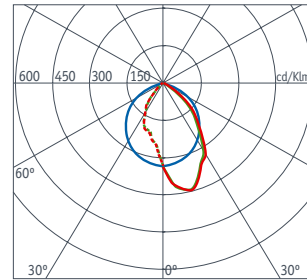
Reflector
SNN

Lamp
FSDH-80

Performance
ULOR: 0%
DLOR: 69%



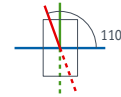
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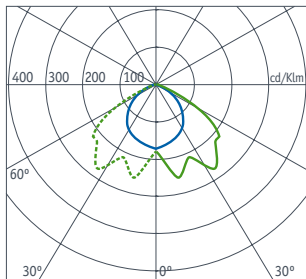
Reflector
ANN

Lamp
FSDH-80

Performance
ULOR: 0%
DLOR: 66%



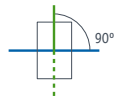
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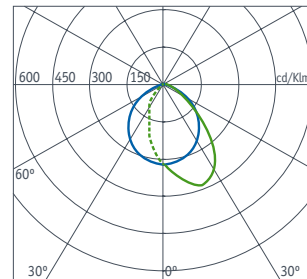
Reflector
SNN

Lamp
FD-58

Performance
ULOR: 0%
DLOR: 70%



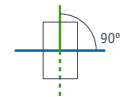
HSL



Reflector
ANN

Lamp
FD-58

Performance
ULOR: 0%
DLOR: 69%



| MODEL | TYPE | SHAPE | LAMP HOLDER | REFLECTOR | | LENGTH | Kg |
|-------|----------|-------|-------------|-----------|-----|--------|----|
| | | | | SNN | ANN | | |
| HSL | FSD-36 | | 2G11 | • | • | 550 | 7 |
| | FSDH-55 | | 2G11 | • | • | 734 | 7 |
| | FSDH-80 | | 2G11 | • | • | 734 | 8 |
| | FD-18 | | G13 | • | • | 734 | 9 |
| | FD-36 | | G13 | • | • | 1344 | 14 |
| | FD-58 | | G13 | • | • | 1644 | 17 |
| | FDH-49 | | G5 | • | • | 1644 | 17 |
| | FDH-80 | | G5 | • | • | 1644 | 17 |
| | 2FD-36 | | G13 | • | • | 1344 | 15 |
| | 2FD-58 | | G13 | • | • | 1644 | 18 |
| | 2FDH-49 | | G5 | • | • | 1644 | 18 |
| | 2FDH-80 | | G5 | • | • | 1644 | 18 |
| | ST-50/70 | | E27 | • | • | 550 | 6 |
| | ST-70/50 | | E27 | • | • | 550 | 6 |

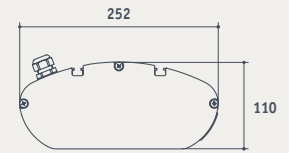
For more information about lamps, consult pages 386-389.

Kg (Weight)

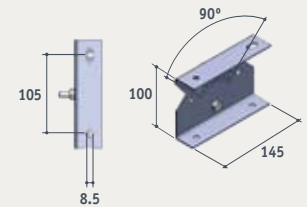
OPTIONS

- Alternative cable entry positions
- Supplied with cable
- Other RAL colours on request
- DIM versions
- Supplied with fuse
- Vandal resistant clip fastener
- 5mm polycarbonate cover, V-): 2mm (in conformity with UL94)
- Anti-graffiti cover
- Electronic ballast for ST lamps (power factor > 0.95)

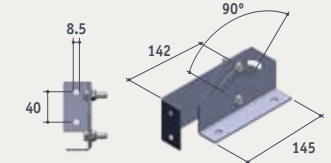
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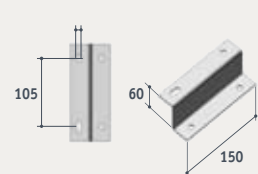
Ceiling bracket



Wall bracket



Z-bracket



Design bracket

