

PROJEKTOR HIT 7000 F

PRODUCT DESCRIPTION

- 7000 Lumen minimal output
- vertical design
- high energy efficiency
- high-resolution 110mm masks
- 3 years without maintenance

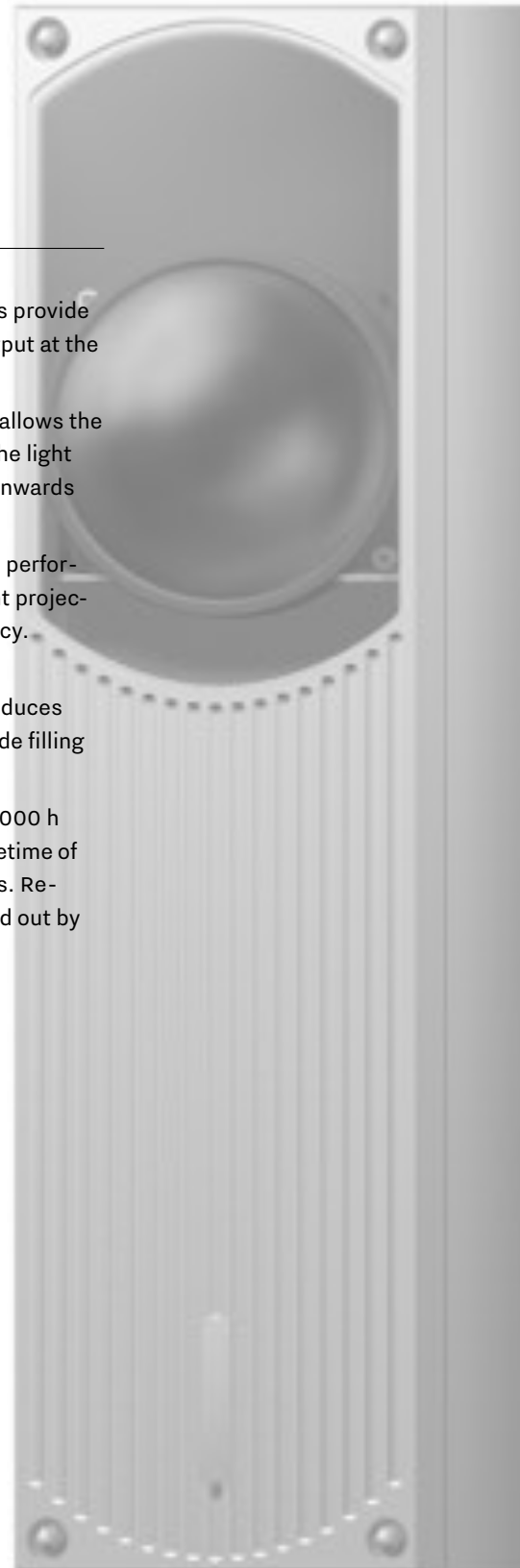
High-resolution and high-performance f2 lenses provide excellent light distribution with 7000 lumen output at the projection surface.

The flexible integration of the optical assembly allows the IP65 housing to be mounted vertically even if the light beam needs to be adjusted 30° upwards or downwards from horizontal level.

In the projection field discharge lamps offer top performance at low consumption. Opticalight HIT light projectors lead the field with 50% luminous flux efficacy.

Excellent light distribution on 110 mm masks:
4.8 Megapixel / 1000 dpi laser manufacturing reduces grid effect to almost imperceptible even at facade filling scale.

Architecture lighting systems operate usually 2000 h a year. While the light source has an average lifetime of 7 years we recommend to replace it after 3 years. Replacement of light source or mask can be carried out by day without any readjustment of settings.



TECHNICAL SPECIFICATIONS

Optical lenses	30° / 40° / 50° / 60° 3D focus and keystone correction
Standard mounting	580mm / 290mm / 185mm / 18kg
Stack mounting	670mm / 230mm / 185mm / 21kg
Light source	150W HIT / 830 or 942 / G12 15'000 h average lifetime 3'000 K° and 4'200 K° standard 2'000 K° - 5'000 K° by filters
Housing	V2A and Al powder-coated / RAL or DB
Adjustability	interior + /-30° -with wall mounting 270° -with stack mounting 360°
Power unit	SK II / EVG 155W / 220V - 240V 50H 0.7 A / 2* 0.75 mm ²
Projector	IP 65 / - 20 C° up to +45C° internal fan-cooling / 80'000 h
Masken	ø110mm Al - Borosilicate / > 10 years

MOUNTING

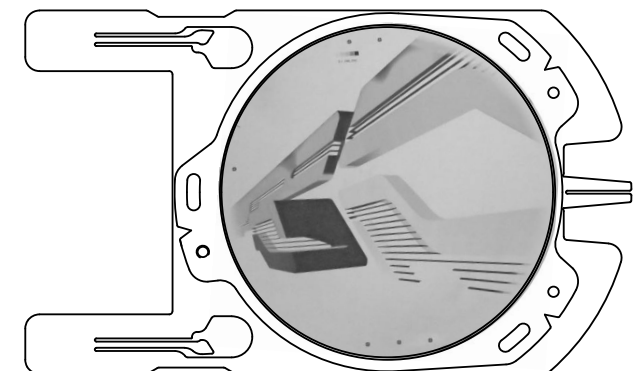
HIT 7000 projectors can be mounted in every position. The optical assembly unit must remain accessible at all times. In horizontal position colour shifts may occur.

MAINTENANCE

opticalight installations are designed to be maintained by the operating company. Readjustment is not necessary if the projector is correctly mounted and operated. Annual external cleaning and light source replacement at 3 years interval is recommended. Excluding incidents the masks are maintenance-free. The ballast, integrated in a module is replaceable without tools and can be ordered in exchange for a defective module.

3D FOCUS

opticalight lighting masks are delivered precisely fixed on a carrier. 3 preset spacers correct the keystone effect, thus an exchange of seasonal masks is easily achieved at any time without readjustment.



MODELS

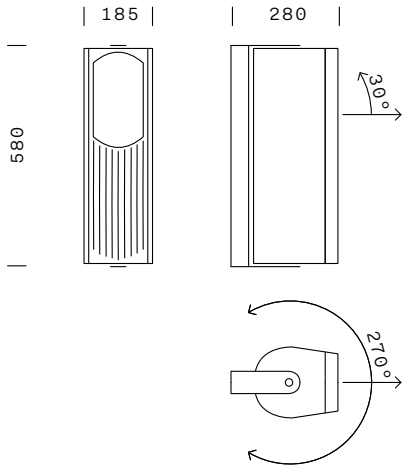
Various models are available: standard design „folded regular“ (FR) is equipped with a bracket for single mounting on walls and poles.

„Folded pole“ (FP) is designed to be stack mounted. Up to four housings may be connected one above the other by a M24 bolt.

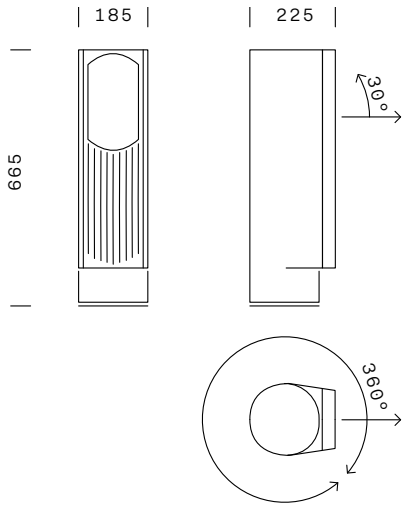
„Folded compact“ (FC) guarantees full capability in a minimised space due to the external ballast unit and the fix integration of the optical assembly.



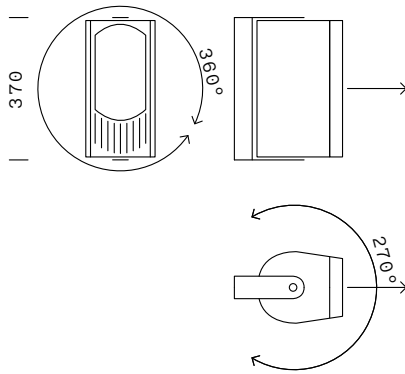
↗ HIT 7000 FP „folded pole“, stack mounting, bolt M24 connected
↗↗ HIT 7000 FR „folded regular“, fixed with mounting bracket vertically to the pole



↗ HIT 7000 FR „folded regular“
↘ HIT 7000 FP „folded pole“



↘ HIT 7000 FR „folded compact“



MASKS WITH GREYSCALE

opticalight lighting masks are etched from aluminum coated glass. Highly accurate greyscale is achieved through very precise raster images. At 4.8 megapixel on 110mm diameter enables drastic reduction of grid effect.



↗ National Museum Zurich, entrance yard
↘ 110 mm Mask with greyscale



COLOUR MASKS

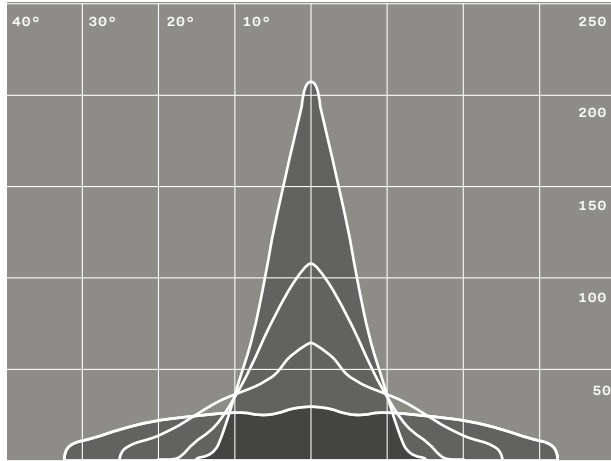
opticalight can process all suitable commercially available dichroic glass filters for creating polychrome multi-layer effects. Each layer, however, lowers the light intensity by a minimum of 10%. More than 3 layers can produce undesirable optical effects.

↘ Polychrome colour mask, black&white, red, orange



LIGHT DISTRIBUTION

opticalight projectors have variable light distribution patterns. The projectors are customised on the basis of opticalight's technical planning. Each projector is delivered with its own serial number. A choice of patterns is available as photometrical files (IGS) for designing. The symbol designation provides the relevant information about characteristics.



↗ von HIT_7000_F_60_RW, wide-angle
HIT_7000_F_30_SN narrow-beam

DESIGNATION AND PHOTOMETRIC DATA

The first three letters denote the light source, the following number the minimal Lumen output. F stands for folded optical assembly in the vertical design, T for tubular housing with straight optical assembly.

Maximal range of illumination is determined through lens selection (30°-60°). The characteristic of the light distribution is achieved via various types of reflectors: R stands for regular beam on the whole surface, S for spot on a reduced surface.

The lamp's position can be shifted inside the reflector so that projected light beam is distributed regularly on the illuminated area „wide“ (W) or with a hotspot in the center „narrow“ (N).

HIT_7000_F_60_RW is thus the most wide angle beam possible, HIT_7000_F_30_SN the most narrow beam HIT device with 7000 lumen. A big range of different settings between this two configurations is available and determined by our technical planning

EG-KONFORMITÄTSERKLÄRUNG EC-DECLARATION OF CONFORMITY CE-DÉCLARATION DE CONFORMITÉ CE-DICHIARAZIONE DI CONFORMITÀ

Wir/We/Nous/Noi

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erklären in alleiniger Verantwortung, dass das Produkt
declare under our sole responsibility that the product
déclarons sous notre seule responsabilité que le produit
dichiariamo sotto la nostra esclusiva responsabilità che il prodotto

PROJEKTOR HIT7000F

auf das sich diese Erklärung bezieht, mit den folgenden Normen übereinstimmt.
to which this declaration relates is in conformity with the following standards.
auquel se réfère cette déclaration est conforme aux normes.
al quale si riferisce la presente dichiarazione é conforme alle norme

- EN 60598-1:2014
- EN 60598-2-5:2015
- EN 55015:06 + A1:07 + A2:09
- EN 61000-3-2:06 + A1:09 + A2:09
- EN 61000-3-3:08
- EN 61547:09

gemäss den Bestimmungen folgender Richtlinien
following the provisions of Directives
conformément aux disposition des Directives
conformemente alle disposizioni e Direttive

- 2014/35/EU

(Ort und Datum der Ausstellung)
(Place and Date of issue)
(Lieu et date)
(Luogo e data)
Zürich, 26.06.2017

(Name, Unterschrift und Funktion des Befugten)
(Name, signature and function of authorized person)
(Nom, signature et fonction du signataire autorisé)
(Nome, firma e funzione del firmatario)
Florian Steiger, CEO

