

Airport sign Type 800

Airport sign according to the regulations of international aviation law (ICAO). To signal mandatory instructions, runway, location and informations on **airports**.

The new fabric technology makes the signals almost insensitive to stone chipping etc. It is also possible to label the signals on both sides.

The LED lamps have a guaranteed lifespan of 60'000 hours.

Signal length is determined by text.

Technical Data

Casing	Aluminium sheet 2mm, coated
Front panel	fabric 3M
Marking	on outside of fabric
Height of illuminated area	400mm / 600mm / 800mm
Protection	IP 54
Weight	below 21kg per running meters
Source of light	Master LEDtube (Phillips) LEDtube (Spitalux)
Power supply	230V AC series system 6.6A
Tube support	breaking clutch 1500Nm / 2" NPSM
Mounting	base plate 305mm / 2" NPSM



Execution and Accessory

Execution	illuminated area on one side illuminated area on both sides
Illuminated area	height 400/600/800mm
Options	translucent reflective foil
Accessory	surge protection bird deterrent service socket on the outside earth connection

Order Information

Order number	800a-l-hhh-uuu-llll
Execution (a)	1 one side (LED only one side) 2 both sides
Illuminants (l)	L LED tubes
Color code (hhh)	400 illuminated area = 400mm 600 illuminated area = 600mm 800 illuminated area = 800mm
Voltage/ Power (uuu)	voltages with leading zeros
Length (llll)	lengths with leading zeros (mm)

SPECIFICATION

1.1 Version

Airport sign illuminated on the inside, made of aluminium, suitable for connection to 230V/50Hz or 6.6A

Height of text field	400mm,	600mm	800mm
Font height	200mm	300mm	400mm
Stands	spacing 83.5 – 122.5 cm		

1.2 Available models (examples)

Available length in (mm)	Stands	Installed power
Type 8001-L-800-230-0700	2 pcs	16 Watt
Type 8001-L-800-230-1100	2 pcs	34 Watt
Type 8001-L-800-230-2080	3 pcs	68 Watt
Type 8001-L-800-230-2480	3 pcs	64 Watt
Type 8001-L-800-066-2880	4 pcs	82 Watt

1.3 Identification

Make	Hugentobler Spezialleuchten AG
Model	Airport Sign Type 800
Rated voltage (V)	220V to 240VAC
Type and design values of lamps	8W Master LEDtube l= 590mm 16W LEDtube l= 970mm 15.5W Master LEDtube l= 1200mm
CE mark	in preparation

1.4 Operating conditions

Temperatures	minimal operating temperature -22°C maximum operating temperature +55°C
Wind stability	maximum wind speed 320km/h
Fragility	impact force leading to sign damage kN 30

1.5 Casing

Casing material	aluminium – powder coated
Finishing	wall thickness 2mm
Color	RAL 7004 / RAL 9010 / RAL 9004
Front panel	stretch film 0.53mm thick

1.5.1 Sealing ISO-IP 54

Sealing type
Sealing material
Dimension

Lip seal
Nytril – caoutchouc
12x 5mm

1.5.2 Drainage membrane

Quantity
Lock construction
Number of locks
Lock material

2
tension lock and loosening screws
2 to 5
StV2A

1.6 Labelling field

Height of labelling field
Colors and fonts, color location

400/600/800mm
red $x=0.651 / y=0.319$
yellow $x=0.521 / y=0.472$
white $x=0.318 / y=0.331$

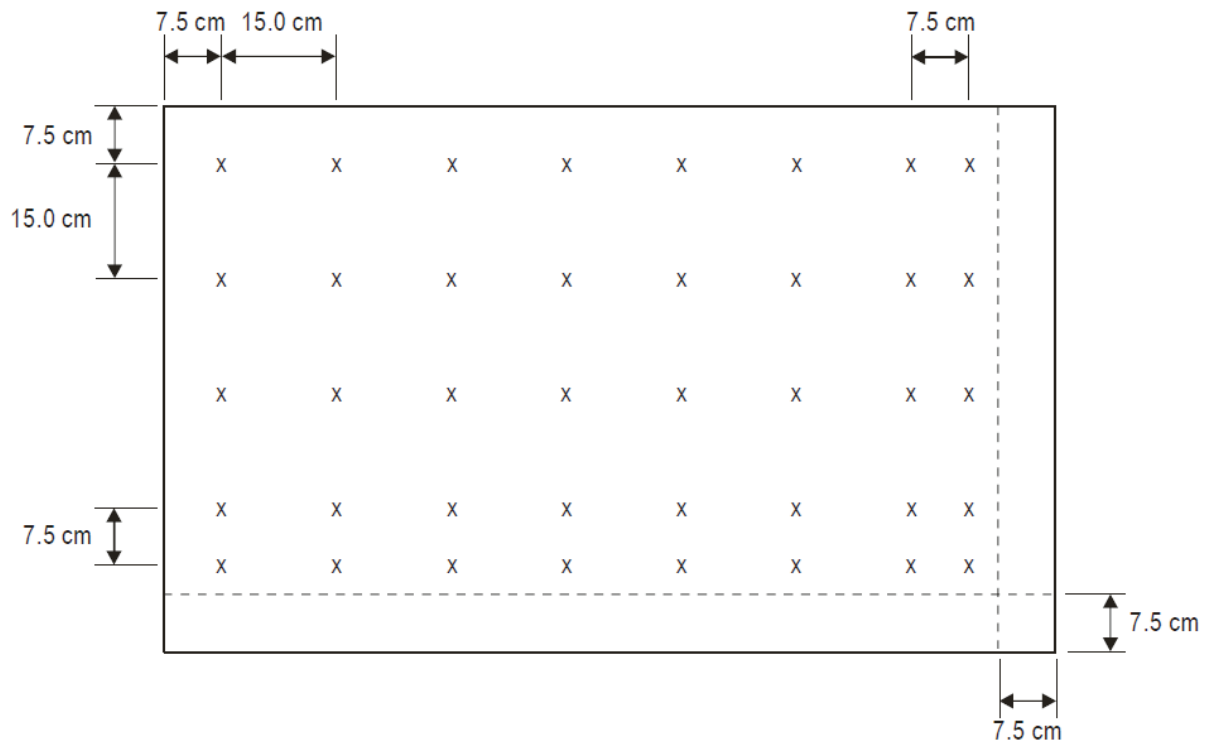
Optical indications, average luminance

red 43 cd/m²
yellow 188 cd/m²
white 361 cd/m²

Light density ratio red/white
Luminance regularity

1:7.5 – 9.1
1: 1,6

BASED ON ICAO GRID



1.6.4 Foils

Labelling field foil make	3M
Labelling field foil model	series 3630
Labelling field foil trans-luminescence	YES
Labelling field foil Type	red Type 4092 yellow Type 4091 white Type 4090
Labelling field foil thickness	0.07mm
Labelling field foil reflection factor	see annex
Labelling field make	3M
Labelling field model	Scotchcal 100
Labelling field foil thickness	0.07mm to 0.1mm
Surface Protection film make	Laminate
Foil position	glued onto fabric

1.7 Internal lighting

Lamps	LED tubes Master LEDtube
Voltage	100 to 240V/50Hz
Make	Spitalux/Philips, lifespan 50'000 hours
Power supply unit	none

1.8 Surge Protection (optional)

Make	Dehn + Söhne
Model	DG M TN 275
Power rating	1x 230V (LN)

1.9 Tube support

Number of tube supports	2-5
Spacing	83.5 to 122.5 cm
Breaking clutch	1500Nm
Material	raw aluminium
Thread connection	2" NPSM

1.10 Base plate

Dimension	305mm
Thread connection	2" NPSM
Mounting holes, diameter	3x 10mm
Pitch diameter mounting holes	260mm
Number of mounting screws	3
Earth connection screw	M8 steel V4A
Surface treatment	powder coated



Hugentobler Spezialleuchten AG

Brunnenwiesenstrasse 14

CH - 8570 Weinfelden

Tel. +41 71 626 20 40

info@spezialleuchten.ch

www.spezialleuchten.ch



Signalling and alarm lights



Special lights for aviation and navigation



Tunnel safety lights