



LIGHTING FOR CLEAN ROOMS



HOOVER4 LED

Application:

areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintainance.



Body material	White painted metal sheet (RAL 9003)
Cover	OP – optical opal plexiglass
	MP – microprismatic optics
Lamp	LED
LED lifetime	L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240 V/50-60Hz AC, 176-280 V DC
Temperature range	-20°C + 30°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Warranty	5 years

Mounting: Lighting fixture HOOVER4 LED are available for surface mounting.

On request:

Em - non-maintained emergency lighting (1h, 3h)

MULTI - maintained emergency lighting (1h, 3h)

DIM - dimmable electronic ballast (DSI, DALI)

RAL - another colour finish

2.7K-6.5K - colour temperature

NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

HOOVER LED

Application:

premises requiring the higher degree of protection (IP, into cleanrooms, laboratories, food indsutry. Desing allows for easy maintenance.



Body material	White painted metal sheet (RAL 9003)
Cover	OP - optical opal plexiglass
	MP – microprismatic optics
Lamp	LED
LED lifetime	L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240 V/50-60Hz AC, 176-280 V DC
Temperature range	-20°C + 30°C
IP Rating	IP65
IK Rating	IK08
Protection class	Mounting into metal ceililngs modules 600 or 625
Warranty	5 years

Mounting: Lighting fixture HOOVER LED are available for recessed mounting in ceilings:

Module M600

Module M625

Plasterboards

On request:

Em - non-maintained emergency lighting (1h, 3h)

MULTI - maintained emergency lighting (1h, 3h)

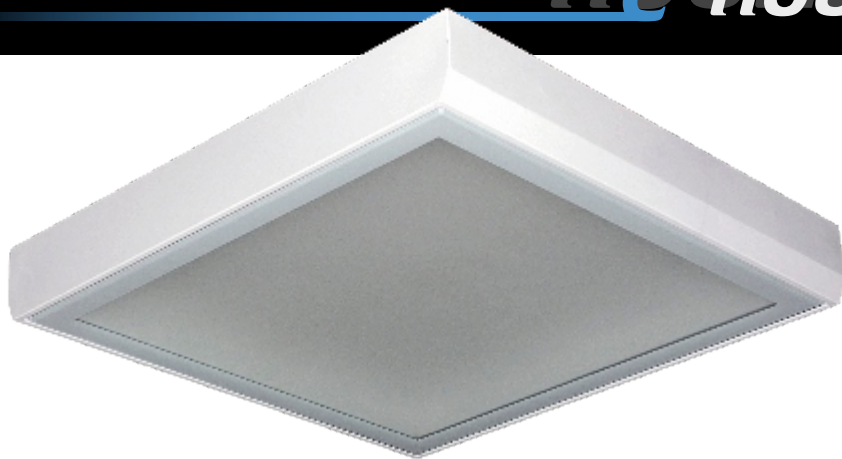
DIM - dimmable electronic ballast (DSI, DALI)

RAL - another colour finish

2.7K-6.5K - colour temperature

NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

HOUND4 MAG LED



Application:

ares with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Mounting: Lighting fixture HOUND4 MAG LED are available for surface mounting.

On request:

Em - non-maintained emergency lighting (1h, 3h)

MULTI - maintained emergency lighting (1h, 3h)

DIM - dimmable electronic ballast (DSI, DALI)

RAL - another colour finish

2.7K-6.5K - colour temperature

NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Body material	White painted metal sheet (RAL 9003)
Cover	Frosted tempered safety glass with painted border
Lamp	LED
LED lifetime	L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240 V/50-60Hz AC, 176-280 V DC
Temperature range	-20°C + 30°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Warranty	5 years

HOUND/2/3 MAG LED



Application:

clean rooms, requiring high degree of protection (IP), such as hospitals, laboratories, food industry. Frameless and screwless construction together with clean design guarantees easy maintenance.

Mounting: Lighting fixture HOUND LED are available for recessed mounting in ceilings:

Module M600

Module M625

Plasterboards

Metal panels

On request:

Em - non-maintained emergency lighting (1h, 3h)

MULTI - maintained emergency lighting (1h, 3h)

DIM - dimmable electronic ballast (DSI, DALI)

RAL - another colour finish

2.7K-6.5K - colour temperature

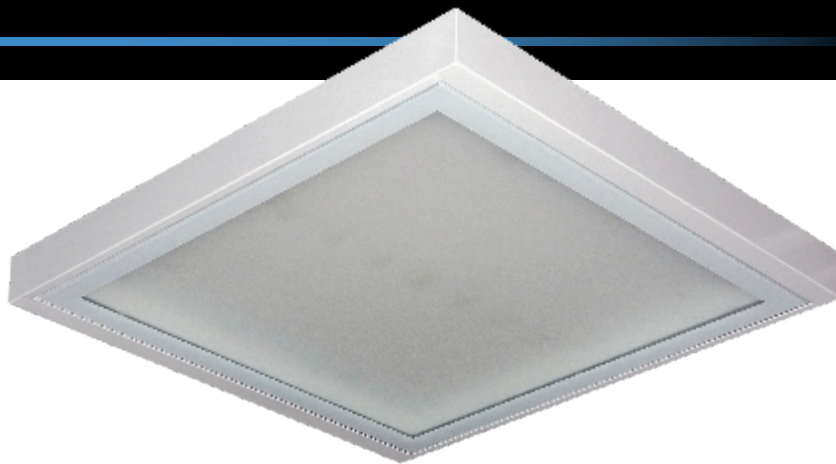
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Body material	White painted metal sheet (RAL 9003)
Cover	Frosted tempered safety glass with painted border
Lamp	LED
LED lifetime	L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h
Colour temperature	4000K, Ra>80
Driver	electronic 220-240 V/50-60Hz AC, 176-280 V DC
Temperature range	-20°C + 30°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Warranty	5 years

CORGI LED

Application:

areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Frameless and screwless construction together with clean design guarantees easy maintenance.



Body material	White painted metal sheet (RAL 9003)
Cover	Frosted tempered safety glass with painted border
Lamp	LED
LED lifetime	L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240 V/50-60Hz AC, 176-280 V DC
Temperature range	-20°C + 30°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Warranty	5 years

Mounting: Lighting fixture CORGI LED are available for surface mounting.

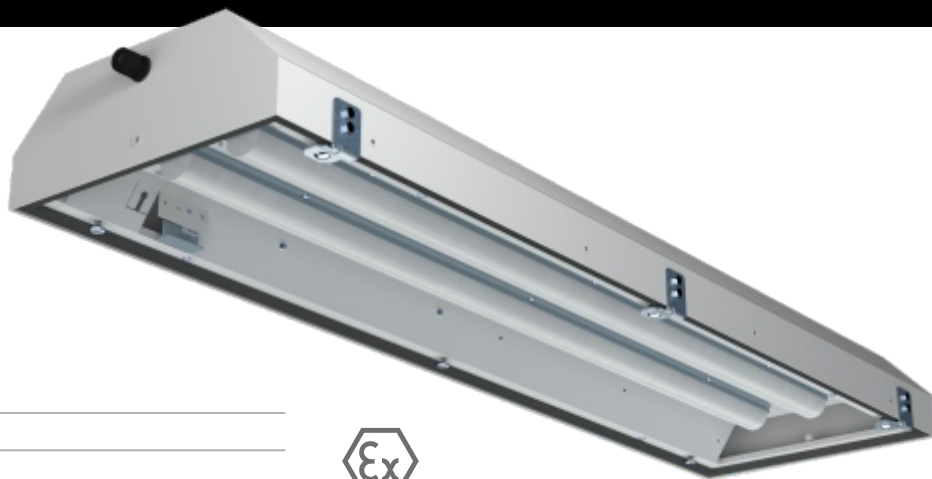
On request:

Em - non-maintained emergency lighting (1h, 3h)
MULTI - maintained emergency lighting (1h, 3h)
DIM - dimmable electronic ballast (DSI, DALI)
RAL - another colour finish
2.7K-6.5K - colour temperature
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

PITBULL EX LED

Application:

workshops, warehouses, assembly halls and areas with presence of aggressive substances



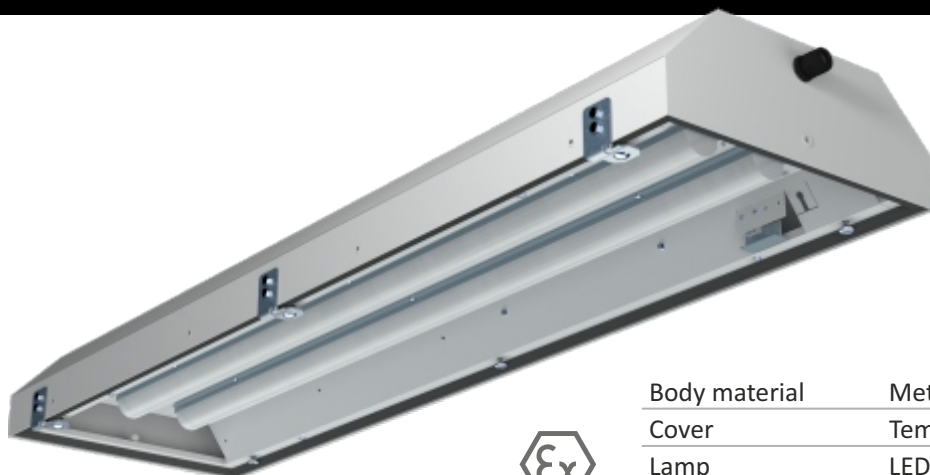
Body material	Metal sheet (RAL 9003)
Cover	Tempered safety glass
Lamp	LED
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 60°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Fastening	Surface, Suspension, Recessed
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex db eb mb op is IIC T4 Gb II 2D Ex tb IIIC T 67°C Db



On request:

Em - non-maintained emergency lighting (1h, 3h)
MULTI - maintained emergency lighting (1h, 3h)
DIM - dimmable electronic ballast (DSI, DALI)
RAL - another colour finish
2.7K-6.5K - colour temperature
1/3 F – one or three phase through-wiring connection
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
NEREZ – body from stainless steel metal sheet
GESIS – possibility to equip light fixtures with connectors

PITBUL EX LED FROST



On request:

Em - non-maintained emergency lighting (1h, 3h)
MULTI - maintained emergency lighting (1h, 3h)
DIM - dimmable electronic ballast (DSI, DALI)
RAL - another colour finish
2.7K-6.5K - colour temperature
1/3 F – one or three phase through-wiring connection
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
NEREZ – body from stainless steel metal sheet
GESIS – possibility to equip light fixtures with connectors

Application:

workshops, warehouses, assembly halls and areas with presence of aggressive substances

Body material	Metal sheet (RAL 9003)
Cover	Tempered safety glass
Lamp	LED
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-40°C +30°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Fastening	Surface, Suspension, Recessed
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex db eb mb op is IIC T4 Gb
	II 2D Ex tb IIIC T 67°C Db

PITBUL N LED



On request:

Em - non-maintained emergency lighting (1h, 3h)
MULTI - maintained emergency lighting (1h, 3h)
DIM - dimmable electronic ballast (DSI, DALI)
RAL - another colour finish
2.7K-6.5K - colour temperature
1/3 F – one or three phase through-wiring connection
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
NEREZ – body from stainless steel metal sheet
GESIS – possibility to equip light fixtures with connectors

Application:

workshops, warehouses, assembly halls and areas with presence of aggressive substances

Body material	Metal sheet (RAL 9003)
Cover	Tempered safety glass
Lamp	LED
LED lifetime	L70B10 ta35 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C +65°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Fastening	Surface, Suspension, Recessed
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc
	II 3D Ex tc IIIC T68°C Dc

Application:

premises with danger of explosion. They can be used in paintboxes and paint shops. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0026X).



Body material	Metal sheet (RAL 9003)
Cover	Tempered safety glass
Lamp	LED
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C +55°C
IP Rating	IP66
IK Rating	IK08
Protection class	I
Fastening	Recessed
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc II 3D Ex tc IIIC T63°C Dc



On request:

DIM - dimmable electronic ballast (DALI)
Em - non-maintained emergency lighting (1 h, 3 h)
MULTI - maintained emergency lighting (1 h, 3 h)
1F/3F - one or three phase through-wiring connection
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
NEREZ - body from stainless steel sheet
RAL - another colour finishing
2.7K-6.5K - colour temperature

Application:

premises with danger of explosion. They can be used in paintboxes and paint shops. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0026X).



Body material	Metal sheet (RAL 9003)
Cover	Tempered safety glass
Lamp	LED
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C +60°C
IP Rating	IP66
IK Rating	IK08
Protection class	I
Fastening	Recessed
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	B II3G Ex nR IIC T6 Gc B II3D Ex tc IIIC T65°C Dc



On request:

DIM - dimmable electronic ballast (DALI)
Em - non-maintained emergency lighting (1 h, 3 h)
MULTI - maintained emergency lighting (1 h, 3 h)
1F/3F - one or three phase through-wiring connection
NANO - light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
NEREZ - body from stainless steel sheet
RAL - another colour finishing
2.7K-6.5K - colour temperature



The company is specializing on development and production of luminaires for special applications like lighting equipments for areas with danger of explosion, industrial lighting with high degree of protection against of water and dust penetration (IP54 – IP68, IP69K), lighting for extreme ambient temperatures and for areas with high risk of damage (antivandal). These products there are highlighted by top-level technical parameters, thats makes us them unique between others.

The company has got the certificates as followed:

IQNet according to ISO 9001:2008

CQS according to ČSN EN ISO 9001:2009

EZU according to ČEN EN ISO 9001:2009

For production of luminaires for areas with danger of explosion with type of protection according to certification our company has got the certificate FTZÚ 04 ATEX Q 016 from FTZÚ certify authority Ostrava-Radvanice.



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