

	Zodpovědný projektant: ING. PAVEL ZBRANEK			
Akce:	Zpřístupnění kostelní věže Nanebevzetí P.M., NJ			
Vypracoval:	ING. PAVEL ZBRANEK	Stupeň PD:	DPS	Číslo paré:
Investor:	Město Nový Jičín, Masarykovo nám. 1/1, 741 01 Nový Jičín	Datum:	01/2025	
		Měřítko:	—	
Název výkresu:	Kniha svítidel	Formát:	9xA4	
		Číslo výkresu:	002	

projekt

zpracoval

datum

Kostelní věž NJ

Jiří Pán

5.2.2025



A.



GENERAL INFORMATION

Article	
Code	

DIMENSIONS AND WEIGHT

Length (mm)	1155 mm
Width (mm)	50 mm
Height (mm)	60 mm
Weight (Kg)	2.49 kg

ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage (V)	230 V
Frequency (Hz)	50 Hz
Wiring	CLD
Control interface	DALI
Power factor	≥0.92
Insulation class	Clase I

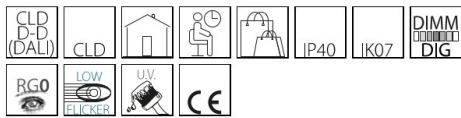
PHOTOMETRIC DATA

Lighting source	LED
CRI	>80
Luminous flux (output) (lm)	2353 lm
Power absorption (total) (W)	28.2 W
Luminous efficacy (lm/W)	NaN lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
LED flux maintenance	50000 hr, L 80 %, B 20 %

MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK07
IP	40

B.



GENERAL INFORMATION

Article		
Code		

DIMENSIONS AND WEIGHT

Length (mm)	1140 mm
Width (mm)	50 mm
Height (mm)	60 mm
Weight (Kg)	3.152 kg

ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage (V)	230 V
Frequency (Hz)	50 Hz
Wiring	CLD
Power factor	≥0.92
Insulation class	Clase I

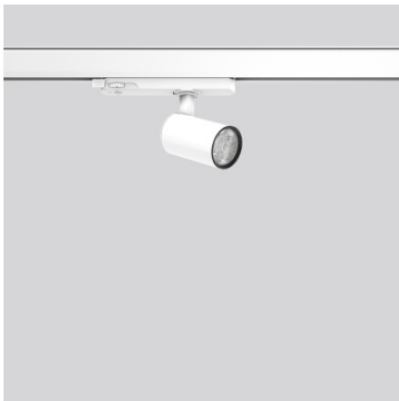
PHOTOMETRIC DATA

Lighting source	LED
CRI	>80
Luminous flux (output) (lm)	2942 lm
Power absorption (total) (W)	35 W
Luminous efficacy (lm/W)	84.06 lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
LED flux maintenance	50000 hr, L 80 %, B 20 %

MECHANICAL CHARACTERISTICS

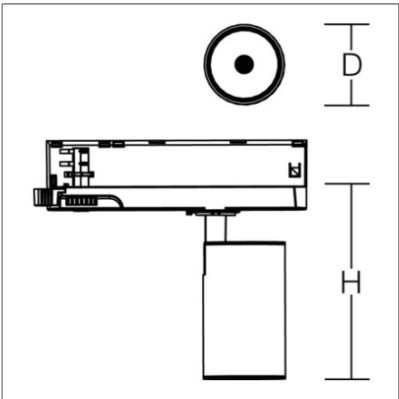
Impact resistance rating (IK)	IK07
IP	40

Surface mounted projector



Surface mounted projectors

Track on ceiling
traffic white, matt (RAL 9016)



LED surface-mounted projector with modern cylindrical design with no visible cooling ribs. Housing: extruded aluminium profile, powder-coated. Cover and lever arm made of plastic. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. Hybrid optical system with polycarbonate lens and reflector in faceted aluminium for particularly homogeneous lighting. Special Click Beam lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. Black front ring to prevent glare from the side. UVA- and IR-free light. With multi adaptor for 3-circuit tracks 230 V. Suitable for Track on ceiling. Converter integrated in the adaptor. The following accessories can be mounted without use of tools: honeycomb louvre.

Product specifications

Diameter D	50 mm
Height H	125 mm
Weight	240 g
Light source	LED
Colour temperature	2700 K
Rated luminous flux	1350 lm 1500 lm
System power	12 W 12 W
System efficiency	113 lm/W 125 lm/W
Glare evaluation RUG (4H 8H)	19,6 21,3
Beam angle	23° 37°
Rated life	50000 h (L70/B50)
Colour rendering index (CRI)	90
Colour tolerance (McAdam)	3 SDCM
Photobiological safety according to EN 62471	Risk group 1
Driver	Converter
Control	on/off
Voltage	220 - 240 V / 50 Hz, 60 Hz
Luminaires on B10A fuse	33
Luminaires on B16A fuse	53
Luminaires on C10A fuse	53
Luminaires on C16A fuse	85
Inrush current / Inrush current duration	18 A / 3 µs
CIE Flux Code / CEN Flux Code	94 99 100 100 100
Type of protection	IP 20
Protection class	II
Filament test	850 °C
Impact resistance	IK03
Ambient temperature	-20 °C bis + 30 °C
Conformity mark	CE

D.



Technické údaje

Manufacturer	
Short product code	
Order code	
European Article Number (EAN)	
Product name	
Housing	in painted aluminium.
Colour - Housing	Black
Diffuser	glass diffuser.
Wiring name	CLD
Nominal frequency	50 Hz
Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Controllability	None
Power factor	≥ 0.9
Equipment	prepared for wall installation.
Cord and plug connection included	False
Light source	LED COB
Output luminous flux	940 lm
Total system power	10 W
CCT	3000 K
CRI	>80
Luminous efficacy	94 lm/W
Lumen maintenance Ta 25° (L)	80
Failure rate (Ta=25°C) (B)	50
LED Rated Life - (h)	50000 hr
Photobiological risk	RG0
Regulations	EN60598-1. Hanno grado di protezione secondo la norma EN60529.
Markings - Certifications	CE
Registered design	True
Electrical insulation class	Class I
IP (Total)	65
IK	IK06
Luminaire height	165 mm
Luminaire Width	67 mm
Luminaire length	95 mm
Net weight	0.7 kg
Warranty	3 yr
Energy label	E

E.



Technické údaje

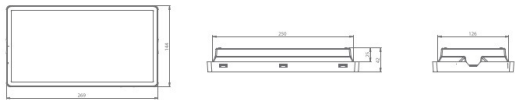
Manufacturer	
Short product code	
Order code	
Product name	
Housing	in opal PMMA with steel end caps, resistant in environments containing high levels of ammonia and detergents.
Colour - Housing	White
Wiring name	CLD
Nominal frequency	50 Hz
Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Controllability	None
Low flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Power factor	≥ 0.95
Equipment	The fixture is equipped with steel fixing brackets for ceiling and suspension mounting; anti-condensation valve for air recirculation and connector for line connection with no need to open the fixture.
Light source	LED
Output luminous flux	5472 lm
Total system power	36 W
CCT	3000 K
CRI	≥80
Ambient temperature - max	-20 °C
Ambient temperature - min	40 °C
Lumen maintenance Ta 25° (L)	80
Failure rate (Ta=25°C) (B)	20
LED Rated Life - (h)	80000 hr
Photobiological risk	RG0
Regulations	EN60598-1. With degree of protection according to EN60529. The lighting fixture meets all IFS and BRC requirements, and the regulation of the HACCP Directive regarding lighting systems installed in food processing plants.
Markings - Certifications	CE
Electrical insulation class	Class I
IP (Total)	69
IK	IK08
Luminaire height	85 mm
Luminaire Width	75 mm
Luminaire length	1200 mm
Net weight	1.6 kg
Warnings	ATTENTION !Do not install on surfaces subject to strong vibrations, outdoors on hanging cables, or on walls under metallic grates, or on poles, and in any case, never expose the fixture to direct sunlight. Check the compatibility between the material constituting the product and the space where it will be installed.We recommend the use of fixtures made of steel with direct exposure to sunlight.
Warranty	5 yr



- IP20 protection rating
- Housing elements made of high quality polycarbonate (PC) or PC/ABS
- Housing colors available: white or black
- Power supply voltage: 230V AC 50Hz (for MT, AT and CT) or 230V AC 50Hz / 220V DC (for CB)
- Light source: efficient high power LED
- Three light source power options: 1W, 2W or 3W
- Functions: NM – non-maintained or M – maintained version
- Autonomy times: 1h, 2h or 3h
- Batteries applied: NiCD or NiMH
- Optics: SO – open spaces, SQ – square beam open spaces, SOH – high open spaces, SC – corridors, SCH – high corridors or SP – safety points
- Testing options: MT – manual test, AT – auto test, CT – central test (Wells) or CB – central battery version
- Installation methods: on ceiling (surface) or in ceiling (recessed)
- Lighting applications for: open spaces, high rooms, evacuation ways and exits
- Colour temperature 5000K
- CRI index: $R_a \geq 70$
- Temperature working range: t_a $0^\circ\text{C} \div 40^\circ\text{C}$, for CB version t_a $-20^\circ\text{C} \div 40^\circ\text{C}$
- Minimum LED lifetime: 50 000h



- > IP65 or IP44 protection rating*
- > Luminaire's housing elements made of high quality materials: PC/ ABS body, PC diffuser, PMMA light guide plate
- > Supply voltage: 230V AC 50Hz (for MT, AT and CT) or 230V AC 50Hz / 220V DC (for CB)
- > Light source: LED diodes
- > Functions: NM – non-maintained version or M – maintained version
- > LiFePO4 and NiCd (only version ECO) batteries with autonomy times 1h, 2h or 3h*, charging 24h
- > Test options: manual test MT, auto test AT or central test CT (WELLS system)
- > Installation: wall/ceiling surface or recessed, ceiling – optionally suspended
- > For illuminating evacuation paths, indicating its directions and marking evacuation exits in public utility buildings
- > Visibility: 25m
- > Colour temperature 5000K
- > CRI index: Ra>=70
- > Temperature working range: t_a 10°C + 40°C for CB and LT version -20°C + 40°C
- * - depending on version



VELLA 50

Model / Model	Numer katalogowy / Catalogue number		Optyka / Optics	Strumień świetlny / Luminous flux	Tryb / Mode	Autonomia / Autonomy	Test / Test	Stopień ochrony / Protection level	Moc / Power	Akumulator / Battery Pack
	Biała / White	Czarna / Black								
	SO	157 lm	NM	1h	MT	IP44	1,5W	NiCd 3,6V 600mAh		
	SO	157 lm	M	1h	MT	IP44	3,5W	NiCd 3,6V 600mAh		
	SO	157 lm	NM	1h	MT	IP65	1,5W	NiCd 3,6V 600mAh		
	SO	157 lm	M	1h	MT	IP65	3,5W	NiCd 3,6V 600mAh		
	SO	157 lm	NM	3h	MT	IP44	1,5W	NiCd 3,6V 1200mAh		
	SO	157 lm	M	3h	MT	IP44	4W	NiCd 3,6V 1200mAh		
	SO	157 lm	NM	3h	MT	IP65	1,5W	NiCd 3,6V 1200mAh		
	SO	157 lm	M	3h	MT	IP65	4W	NiCd 3,6V 1200mAh		
	SO	157 lm	M	8h	MT	IP65	5W	NiMH 3,6V 4000mAh		
	SO	190 lm	NM	1h	MT	IP44	2,5W	LiFePO4 6,4V 600mAh		
	SO	190 lm	M	1h	MT	IP44	6W	LiFePO4 6,4V 600mAh		
	SO	190 lm	NM	1h	MT	IP65	2,5W	LiFePO4 6,4V 600mAh		
	SO	190 lm	M	1h	MT	IP65	6W	LiFePO4 6,4V 600mAh		
	SO	190 lm	NM	3h	MT	IP44	3W	LiFePO4 6,4V 1500mAh		
	SO	190 lm	M	3h	MT	IP44	6W	LiFePO4 6,4V 1500mAh		
	SO	190 lm	NM	3h	MT	IP65	3W	LiFePO4 6,4V 1500mAh		
	SO	190 lm	M	3h	MT	IP65	6W	LiFePO4 6,4V 1500mAh		
	SO	314 lm	NM	1h	MT	IP44	1,5W	NiCd 3,6V 1000mAh		
	SO	314 lm	M	1h	MT	IP44	6W	NiCd 3,6V 1000mAh		
	SO	314 lm	NM	1h	MT	IP65	1,5W	NiCd 3,6V 1000mAh		
	SO	314 lm	M	1h	MT	IP65	6W	NiCd 3,6V 1000mAh		
	SO	314 lm	NM	3h	MT	IP44	3W	NiCd 3,6V 2500mAh		
	SO	314 lm	M	3h	MT	IP44	7W	NiCd 3,6V 2500mAh		
	SO	314 lm	NM	3h	MT	IP65	3W	NiCd 3,6V 2500mAh		
	SO	314 lm	M	3h	MT	IP65	7W	NiCd 3,6V 2500mAh		
	SO	368 lm	NM	1h	MT	IP44	3,5W	LiFePO4 6,4V 1500mAh		
	SO	446 lm	NM	1h	mt	IP44	3,5W	LiFePO4 6,4V 1500mAh		
	SO	368 lm	M	1h	MT	IP44	8W	LiFePO4 6,4V 1500mAh		
	SO	446 lm	M	1h	MT	IP44	9W	LiFePO4 6,4V 1500mAh		
	SO	368 lm	NM	1h	MT	IP65	3,5W	LiFePO4 6,4V 1500mAh		
	SO	446 lm	NM	1h	MT	IP65	3,5W	LiFePO4 6,4V 1500mAh		
	SO	368 lm	M	1h	MT	IP65	8W	LiFePO4 6,4V 1500mAh		
SO	446 lm	M	1h	MT	IP65	9W	LiFePO4 6,4V 1500mAh			
SO	368 lm	NM	3h	MT	IP44	3,5W	LiFePO4 6,4V 3000mAh			
SO	446 lm	NM	3h	MT	IP44	3,5W	LiFePO4 6,4V 3000mAh			
SO	368 lm	M	3h	MT	IP44	8W	LiFePO4 6,4V 3000mAh			
SO	446 lm	M	3h	MT	IP44	9W	LiFePO4 6,4V 3000mAh			
SO	368 lm	NM	3h	MT	IP65	3,5W	LiFePO4 6,4V 3000mAh			