

AUTORIZACE	PARÉ

ZODP. PROJEKTANT		VYPRACOVAL			
ING. PAVEL ZBRANEK		ING. PAVEL ZBRANEK			
INVESTOR		MĚSTO ODRY			
MÍSTO STAVBY		Nádražní 670/30, 74235 Odry, Česko		STUPEŇ	DPS
PARCELA Č.	1113/1	K.Ú.	ODRY	DATUM	02/2025
OBJEKT		SO 01 -		FORMÁT	6xA4
AKCE:		REKONSTRUKCE ÚP ODRY  Kniha svítidel		REVIZE	00
				MĚŘÍTKO	Č. VÝKRESU
				-	D1.4.g - 04

projekt  
zpracoval  
datum

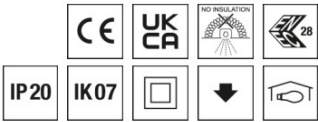
ÚP Odry

Jiří Pán

18.3.2025



Downlight



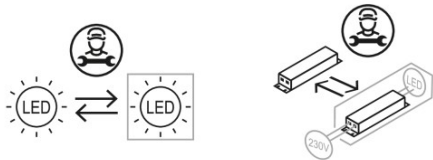
Product description

Downlight from the EDLR-E2 product family. Optical control via Reflector, beam pattern symmetric, extremely wide beam, light emission direct. Lamp LED-M installed, Replacement by specialist. The luminaire generates a rated luminous flux of 2210 lm in light colour 840, luminous flux adjustable: No. The long LED service life enables long use with consistent lighting quality. High quality of light thanks to a standard colour tolerance of < 3 SDCM. Housing made of Plastic, traffic white, similar to RAL 9016, protection rating IP20 IP44 room side. Fixing clips for clamping thicknesses from 0 to 20 mm pre-assembled to the luminaire housing as standard. With electronic electrical component On/Off. Replacement by specialist. Rated voltage 220 - 240 V AC 50 - 60 Hz.

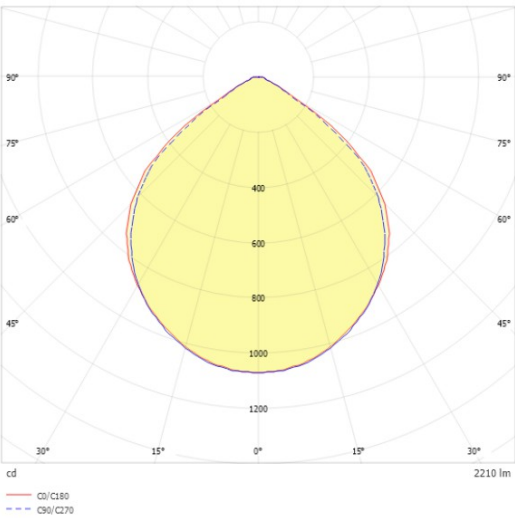
Short Facts

Mounting type	Installation
Protection class	IP20   IP44 room side
Protection class	II
Permissible ambient temperature	-20 - 25 °C
Nominal voltage	220 - 240 V
Type of control	On/Off
Colour temperature	4000 K
Colour rendering index Ra	≥ 80
Rated luminous flux	2210 lm
Rated power	14.5 W
Luminaire efficiency	152 lm/W
Rated life L80B50 (tq = 25 °C)	50.000 h
Energy efficiency class light source	D

Sustainability



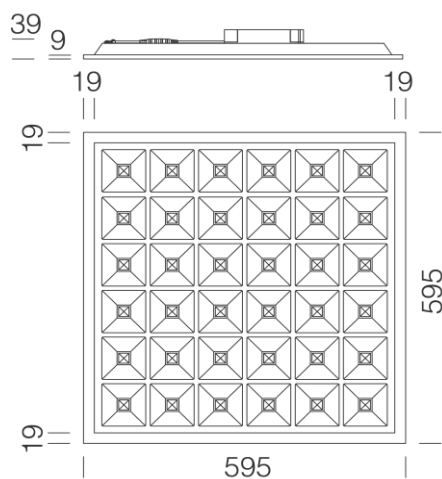
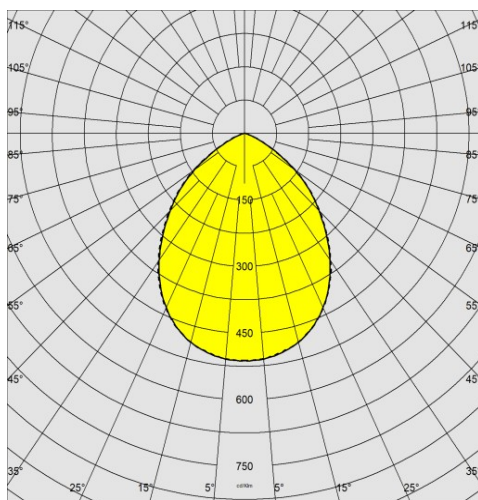
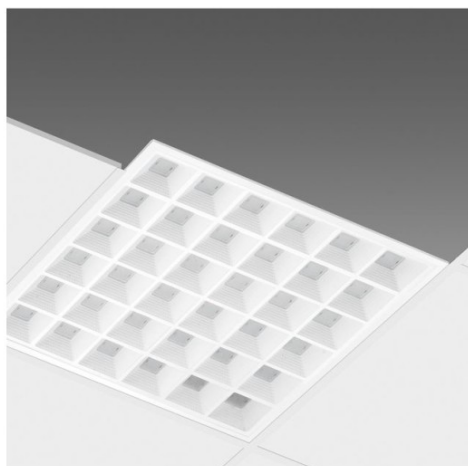
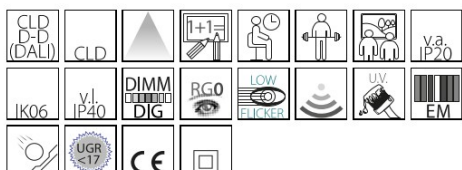
Light distribution curve



Unified glare rating UGR (4H/8H)

UGR lengthwise	23.2
UGR crosswise	22.9

**B.**



## GENERAL INFORMATION

## DIMENSIONS AND WEIGHT

Length (mm)	595 mm
Width (mm)	595 mm
Height (mm)	39 mm
Weight (Kg)	1.98 kg

## INSTALLATION

Recessed dimensions - Length (mm)	590 mm
Recessed dimensions - Width (mm)	590 mm

## ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage (V)	230 V
Frequency (Hz)	50 Hz
Wiring	CLD-D-D
Control interface	DALI
Power factor	≥0.95
Insulation class	Class II

### PHOTOMETRIC DATA

Lighting source	LED
CRI	80
Luminous flux (output) (lm)	3966 lm
Power absorption (total) (W)	30 W
Luminous efficacy (lm/W)	132 lm/W

Unified glare rating UGR (EN 12464-1) (Reflectance coefficient: ceiling 0.7 - walls 0.5)

UGR<17 (in any situation). According to standard EN 12464.

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)	IK06
IP (vl)	40
IP (va)	20





- > IP 20 protection rating
- > Electronics and battery housing and LED head frame made of polycarbonate, heatsink made of aluminium
- > LED head frame: round
- > Power supply voltage: 230V 50Hz
- > Light source: LED
- > Functions: A (NM) – non-maintained version or SA (M) – maintained version
- > Optics: SO – for open spaces, SC – for corridors
- > Manual test MT or autotest AT
- > Batteries: LiFePO4
- > Autonomy: 3h
- > Installation in recessed ceilings
- > For illuminating evacuation directions and designating evacuation exits in public utility buildings
- > Colour temperature 5000K
- > CRI index:  $R_a \geq 70$
- > Temperature working range:  $t_a$  10°C ÷ 40°C
- > Minimum LED lifetime: 50 000h

NP.



- > 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 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
- > Minimum LED lifetime: 50 000h

\* - depending on version