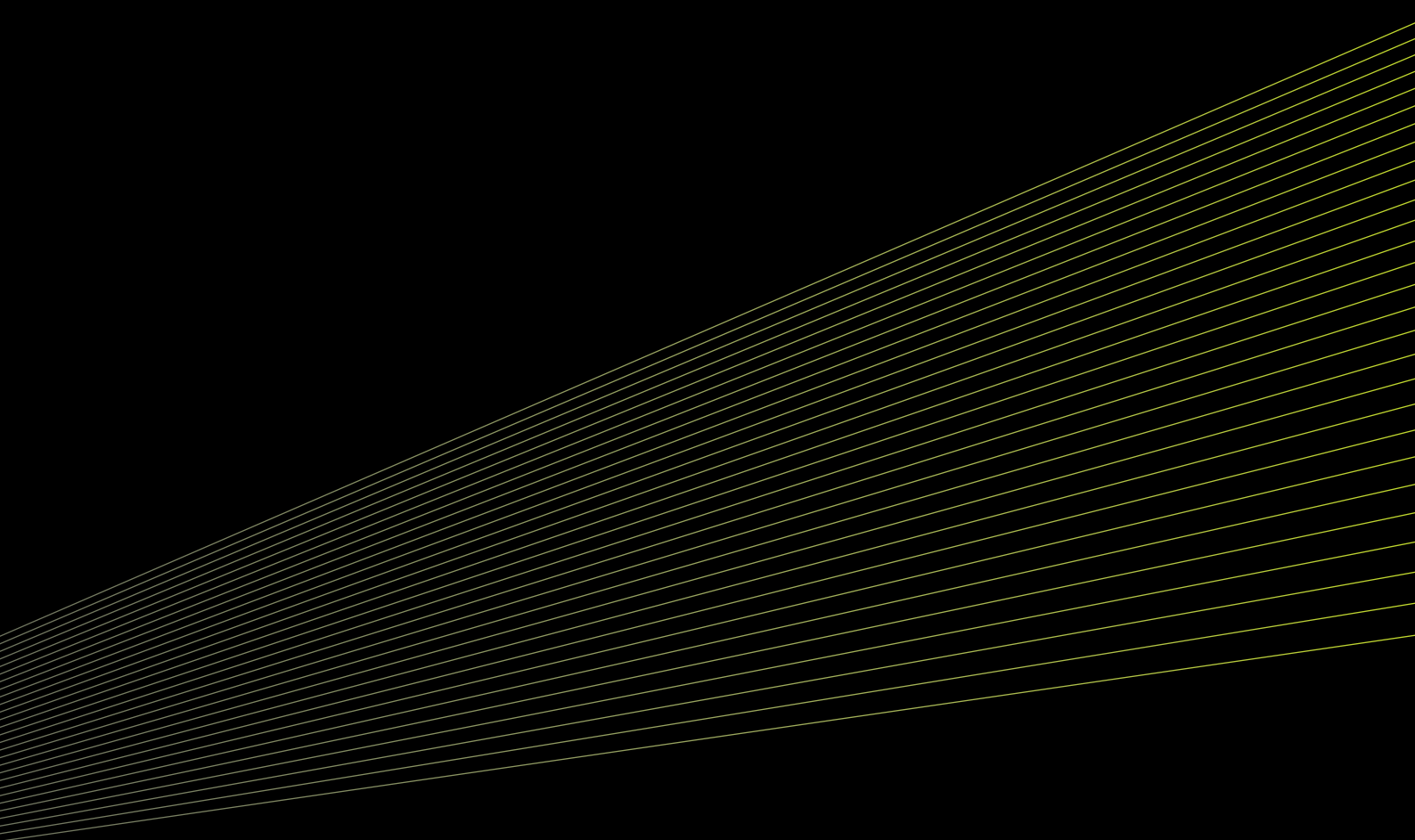
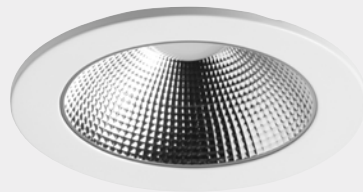


**ENLIT**

**SELECTION 2018**





#### GENERAL CHARACTERISTICS

- passive heat sink
- high luminous efficiency, low power consumption
- high colour rendering index (CRI>80)
- available in 3000K and 4000K
- considerate to environment – without mercury content
- harmless towards illuminated objects – zero UV and IR radiation
- light output range 1000 – 2000lm
- application areas - corridors, residential areas, public areas, showrooms, offices, shops, hotels, work rooms, meeting rooms, banks, hospitals, laboratories, restaurants

#### VALUE FOR PRICE

- 1 high system efficacy up to 90 lm/W
- 2 nominal life-time 30,000 h (L70/B50)
- 3 3-year guarantee
- 4 high ingress protection of optical part IP40
- 5 ultra low weight 300g do not stress the ceiling construction
- 6 extremely quick and reliable fixation into ceilings of different thickness by two strong steel springs

## ORB LED

Low energy solution in compact form

LED

### FOR MASS APPLICATION

The luminaire ORB LED V3 is designed for mass application in any type of areas, where downlights with incandescent or compact fluorescent lamps were used until now.

Downlight suitable for direct installation into various types of ceilings. Light engine with integrated electronics and heatsink, operating with direct 230V AC.

Possibility to choose from two light outputs in combination with two types of optical systems ensures the right choice of product for every application.

### TWO TYPES OF OPTICAL SYSTEM

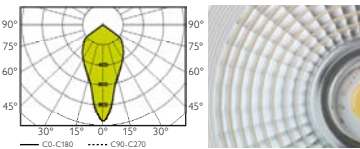
Two reflectors available with 60° and 90° beam angle. Medium 60° beam angle reflector for glare prevention is designed for applications with higher requirements for visual comfort, value UGR<19.

# ORB LED

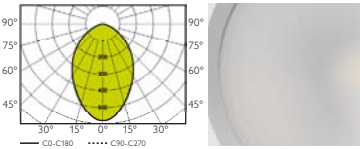
## V1



Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP20
Weight	0,7-1kg



ORB LED V1 1600lm C



ORB LED V1 1600lm D

LED downlight suitable for direct installation into various types of ceilings. Luminaire housing made of die cast aluminium, epoxid powder coated. Driver on board technology for direct connection to mains voltage, high power factor >0.95. Internal aluminium reflector, covered with front glass. Colour of bottom rim: white RAL9003. Quick and reliable fixation into ceilings of different thickness by steel springs. ORB LED V1 is fully compatible with existing conventional downlight infrastructure, and is the perfect choice for both new and replacement markets.

Nominal life-time 50.000 h, 5 years guarantee, 3SDCM. Dimmable with common phase-cut dimmers. The compatibility of the downlights with the dimmer has to be confirmed prior to installation.

### INSTALLATION TYPE

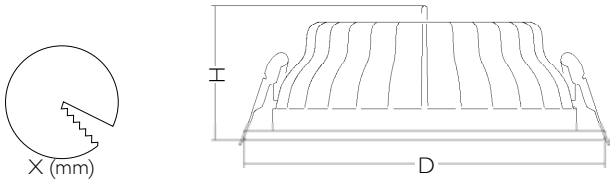
- R –luminaire recessed into various types of false ceilings such as plasterboard, ceiling tiles, wooden ceiling and similar

### OPTICAL SYSTEM

- C - clear glass
- D - diffuse (frosted glass)
- SD - semi diffuse (half frosted glass)

### ELECTRICAL EQUIPMENT

- direct connection to mains voltage
- supply cable with strain relief, finished with enclosed screw terminal block



Type*	System power (W)	Equivalent	D/X (mm)	H (mm)	kg
ORB LED V1 1200lm	15	1x26W TC-DEL	145/125	66	0,7
ORB LED V1 1600lm	20	1x32W TC-TEL	196/170	70	0,9
ORB LED V1 1600lm	20	1x32W TC-TEL	242/210	67	1
ORB LED V1 2300lm	30	2x26W TC-DEL	242/210	67	1

\* net lumen output of the luminaire by 4000K

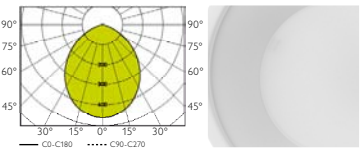
CODE	TYPE	SPECIFICATION
		cct      optics      cri      control gear      colour      accessories
OL10R000LE01200	ORB LED V1 1200lm	3000K      C      80      230V      white
OL10R000LE01600	ORB LED V1 1600lm	4000K      D
OL11R000LE01600	ORB LED V1 1600lm	5000K      SD
OL10R000LE02300	ORB LED V1 2300lm	

# ORB LED

## V2



Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP20
Weight	0,19-0,24kg



ORB LED V2 1100lm

LED downlight suitable for direct installation into various types of ceilings. Gear box made of orange polymer. Aluminium reflector in white colour RAL9016. Reflector covered with frosted PMMA. Integrated electronic control gear, direct connection to mains voltage. High system efficacy up to 85 lm/W. Available in two diameters (Ø165 and Ø216mm), lumen packages and light colours. Quick and reliable fixation into ceilings of different thickness by steel springs.

Luminaires are visually similar to conventional downlights and are designed to directly replace 1x 26W or 2x 26W downlights with compact fluorescent lamps. Suitable for ceiling cut-outs of 150 and 200 mm.

### INSTALLATION TYPE

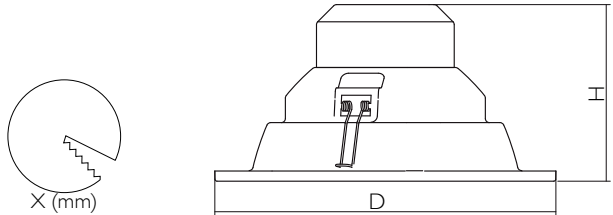
- R –luminaire recessed into various types of false ceilings such as plasterboard, ceiling tiles, wooden ceiling and similar

### OPTICAL SYSTEM

- DO - opal diffuser, made of frosted PMMA, wide beam angle, diffuse light distribution

### ELECTRICAL EQUIPMENT

- integrated electronic driver
- 3-pole screw terminal block max. 1,5 mm<sup>2</sup>
- strain relief for supply cable



Type*	System power (W)	Equivalent	D/X (mm)	H (mm)	kg
ORB LED V2 1100lm	13	1x26W TC-DEL	165/150	80	0,19
ORB LED V2 1950lm	24	2x26W TC-DEL	216/200	90	0,24

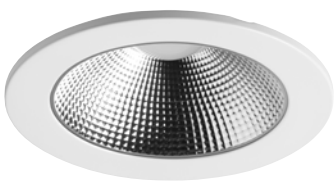
\* net lumen output of the luminaire by 4000K

CODE	TYPE	SPECIFICATION
		cct      optics      cri      control gear      colour      accessories
OL20R000LE01100	ORB LED V2 1100lm	3000K      DO      80      230V      white
OL20R000LE01950	ORB LED V2 1950lm	4000K

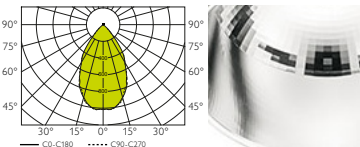


# ORB LED

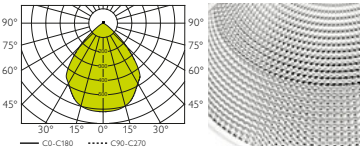
## V3



Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP20/40
Weight	0,22-0,55kg



ORB LED V3 2200lm 60deg



ORB LED V3 2200lm 90deg

Downlight suitable for direct installation into various types of ceilings. The range consist of three diameters and three lumen outputs. High system efficacy up to 110 lm/W. Luminaire housing made of aluminium, finished with matt white powder coated colour. Bottom visible rim made of white plastic. Other colours on request.

Two reflectors available with 60° and 90° beam angle. Medium 60° beam angle reflector for glare prevention is designed for applications with higher requirements for visual comfort, value UGR<19. Extremely quick and reliable fixation into ceilings of different thickness by strong steel springs.

### INSTALLATION TYPE

- R –luminaire recessed into various types of false ceilings such as plasterboard, ceiling tiles, wooden ceiling and similar

### OPTICAL SYSTEM

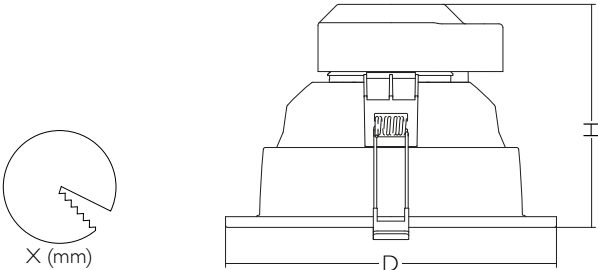
- RFS – facetted symmetric anti-glare reflector, available in 60° and 90° beam angle

### ELECTRICAL EQUIPMENT

- removable electronic control gear for LED
- strain relief for cable safety

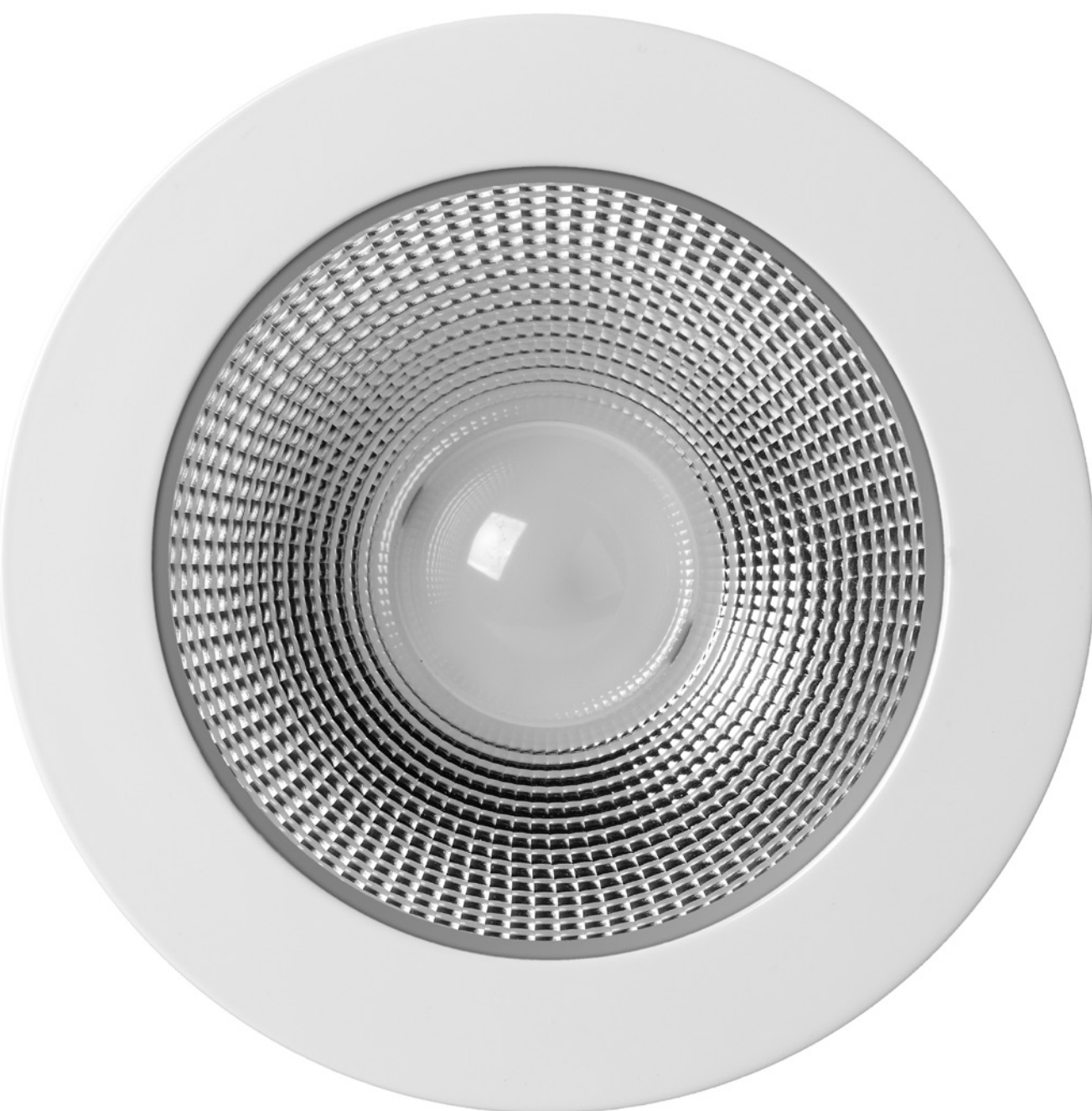
### OPTIONAL EQUIPMENT

- wiring with emergency unit (1 or 3h)
- wiring with dimmable electronic control gear
- various colour finish of the rim



Type*	System power (W)	Equivalent	D/X (mm)	H (mm)	kg
ORB LED V3 1100lm	10	1x26W TC-DEL	120/100	90	0,22
ORB LED V3 2200lm	20	2x26W TC-DEL	170/150	120	0,38
ORB LED V3 3100lm	30	2x32W TC-DEL	224/200	140	0,55

\* net lumen output of the luminaire by 4000K



CODE	TYPE	SPECIFICATION					
		cct	optics	cri	control gear	accessories	colour of accessories
OL30R000LE01100	ORB LED V3 1100lm	3000K	60°	80	ECG		
OL30R000LE02200	ORB LED V3 2200lm	4000K	90°		DALI		
OL30R000LE03100	ORB LED V3 3100lm						

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