

**Product:** BERYL NEW LED O-2 2800 PLX E 33 IP20/44 840

**Index:** 19.4034.6421.33



## Description

Aluminum cast housing. This technology significantly increases possibility of application of particular luminaire due to lower ceiling load since additional cooling radiator is not required. Luminaire is dedicated for prestigious interiors such as hotels, banks and offices of higher standard. Owing to the newest components and renowned producers of LEDs applied it was possible to build such luminaires which save energy consumption comparing with traditional solutions.

## Product information

Category	Recessed luminaires
Family	BERYL NEW LED O IP20/44
Name	BERYL NEW LED O-2 2800 PLX E 33 IP20/44 840
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## Light and electrical data

Light source	LED
Luminous flux LED [lm]	3108
LED power [W]	16,2
Luminaire luminous flux [lm]	2006
Power of luminaire [W]	18,4
Luminaire's light efficiency [lm/W]	109
Color of the light [K]	4000
CRI	85
SDCM (LED sources)	2
Beam angle [°]	(C0-C180) / (C90-C270) - 93,4° / 93,4°
Photobiological risk class (IEC/EN 62471)	RG0
Protection against electric shock	II
Protection degree	IP20/44
Voltage	220..240 V, 50..60 Hz
Lifetime of LED sources [h]	91000 (1) / 100000 (2) / 100000 (3)
Lx/By	L90/B10 (1) / L80/B10 (2) / L70/B10 (3)
Operating temperature range [°C]	5 ÷ 30
Driver	standard on/off (E)
Power factor cos φ	>0,95
Circuit load capacity	29 (B10), 47 (B16), 49 (C10), 79 (C16)

**Mechanical data**



Assembly	<b>mounted in module ceilings, as well as plasterboard ceilings</b>
Material	<b>aluminum</b>
Color	<b>RAL 9010 (white)</b>
Diffuser	<b>PLX (PMMA opal)</b>
Impact resistant	<b>IK04</b>
Weight [kg]	<b>0,92</b>
Dimensions [mm]	<b>Ø165 x 100</b>
Mounting hole [mm]	<b>Ø140</b>

**A graph of light**

