



PREMIUM RANGE LED PANEL LUMINAIRE

956-013 - CYFELCO 1 RPR 18W 830

PRODUCT DATASHEET

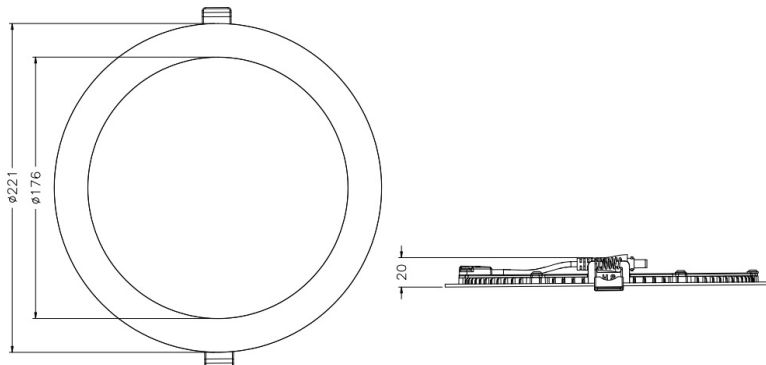
Slim housing round recessed panel luminaires with CRI80, for suspended ceilings and plaster board ceilings

Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Offices, shops, conference rooms, reception areas, foyers, stairways, corridors
- Suitable for surface installation via aluminium surface mounting frame

Product Features

- CRI>80 and up to 95lm/W
- Energy Class F
- External driver for extended flexibility and easy installation
- Flicker-Free
- Lifetime (L70/B50): up to 15,000 h (at 25 °C)
- 2 Years Warranty



TECHNICAL DATA

Operating and Electrical

Input Voltage	220-240V AC
Line Frequency	50/60 Hz
Nominal Power Consumption	18 W
Power Factor	>0.5
Total Harmonic Distortion	<20%
Protection Class	Class II
Driver	External
Connection	Push in connector

Over Time Performance

Lifespan L70/B50 at 25 °C	>15000 hrs
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Application

Ambient Temperature Range	-25 to +40 °C
Ingress Protection Code	IP20
Mech. Impact Protection	IK04
Application Environment	Indoor
Mounting Type	Recessed/Surface
Dimmable	No

Logistics

Dimensions	Φ225x17 mm
Cut-out	Φ205 mm
Packaging Size	230x30x250 mm
Gross Weight	0.365 Kg
Net Weight	0.310 Kg

Directives

2014/30/EU	Electromagnetic Compatibility Directive
2014/35/EU	Low Voltage Directive
2011/65/EU	Restriction of Hazardous Substances Directive (RoHS)
2009/125/EU	Ecodesign Requirements for energy-related products

Standards

EN 60598-1:2015	Luminaires part 1 General Requirements
EN 60598-2-1:1989	Part 2: Particular requirements-Section 1 Fixed general purpose luminaires
EN IEC 55015:2013 +A1	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547:2009	Equipment for general lighting purposes - EMC immunity requirements
EN IEC 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment
EN 62493:2015 A1/2022	Assessment of lighting equipment related to human exposure to electromagnetic fields

Photometric Data

Luminous Flux	1710 lm
Luminous Efficacy	95 lm/W
Color Temperature	3000 K (Warm White)
Color Rendering Index	>80
SDCM	<5
Flickering metric (Pst LM)	<1
Stroboscopic Effect (SVM)	<0.4
Photobiological safety group	RG 0
Beam Angle	120°
UGR	<22

Mechanical and Housing

Housing Material	Iron
Light Guide Plate (LGB)	PS
Diffuser	PS
Reflector	PET
Housing Color	White

Packaging	30 pcs per Carton
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Carton Box Gross Weight	11.5 Kg
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Carton Box Net Weight	9.3 Kg
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Accessories/Options

Recessed installation	Torsion Springs
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Surface Installation	Mounting Frame (Optional)
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