

Features

- OPTICLIP R 600 830 2L BLK DALI is a high efficacy low glare ceiling recessed mounted luminaire with replaceable light engines for office and education applications. Black colour plastic optic (reflector + lens), direct light distribution. Luminaire dimensions: 595x595x17mm. Black body colour (RAL9005), IP40 (from the front), IK07, DALI Dimmable driver, 33W power consumption, 3000K (warm white) LED CCT, 3900lm luminous flux at 900mA drive current level, 118lm/W system efficacy, CRI>80, SDCM≤3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<16, luminance at 65° < 1000 cd/m². Lifespan: 100,000 hours L80B20, photobiological safety risk group 0. Electrical protection Class II. Glow wire test 850°C.

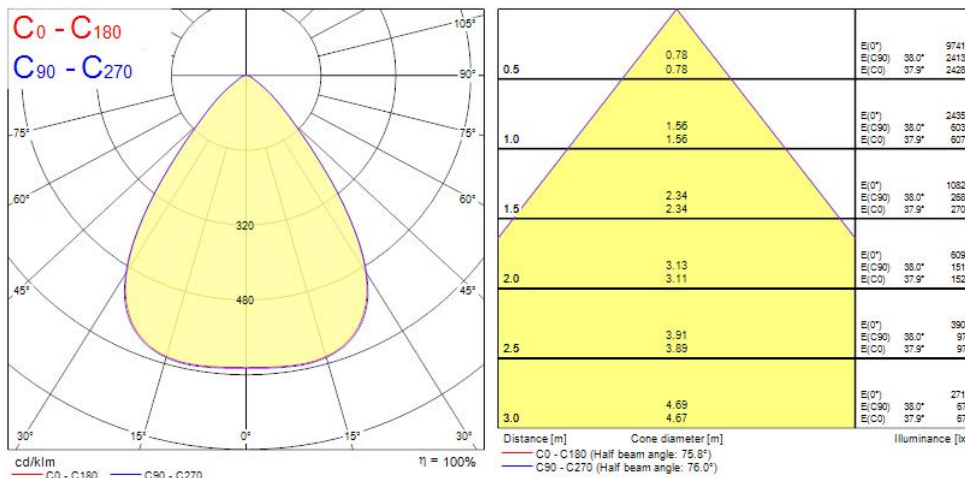
Product Overview

Product name	OPTICLIP R 600 830 2L BLK DALI
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
E-number FI	4170644
Fixture luminous flux (lm)	3900
Luminaire efficacy (lm/W)	118
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	75

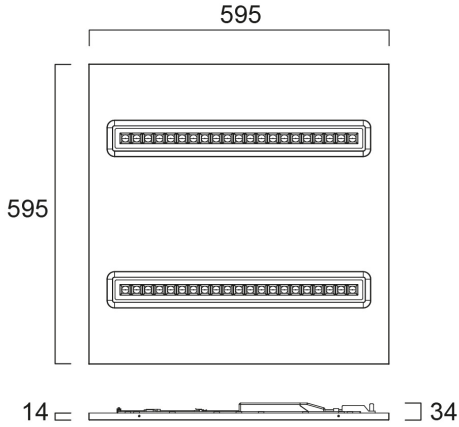
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Glare control	< 16
Photobiological Risk Group	RG0
Total power consumption (W)	33
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9005
IP rating	IP40/20
IK rating	IK07
Product EAN number	5410288340418
Warranty	5 years
Dimming method	DALI

Photometry



Technical drawings



Data table

GENERAL DATA

Product name	OPTICLIP R 600 830 2L BLK DALI
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
Operating temperature range (°C)	5°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4170644
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3900
Luminaire efficacy (lm/W)	118

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Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	75
Distribution type	Symmetric
Glare control	< 16
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	33
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	15
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Min. drive current (mA)	400
Max. drive current (mA)	900
Drive current - Range (mA)	400mA / 900mA
Inrush Current (A)	5.6
Inrush Duration (µs)	50
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	37
Max. products per 16A C Breaker	59
Max. products per 10A B Breaker	37
Max. products per 16A B Breaker	59

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Connectable conductor cross section - Max (mm ²)	2.5
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LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	100000
Lifespan L90 B20	50000

PHYSICAL DATA

Housing colour	RAL9005
IP rating	IP40/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	14
Weight (kg)	2.9

PACKAGING

Product EAN number	5410288340418
Packaging single length / height (cm)	60.0
Packaging single width (cm)	4.0
Packaging single depth (cm)	60.0
DUN14 (inner)	05410288340418
Units per outer package	1
Packaging outer length / height (cm)	60.0
Packaging outer width (cm)	4.0
Packaging outer depth (cm)	60.0

SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	5-25

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Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No