



JCC®

a **LEVITON**®
company

RADIALED®

Innovative LED wall and ceiling lighting

- **NEW** RadiaLED® Optimum 8W & 14W
- Up to 50% energy savings
- No unsightly 2D lamps or LED hotspots
- Emergency & microwave options

Advanced LED lighting

10 year domestic and 5 year commercial extended warranty.
Register online at jcc.co.uk





We believe that a manufacturers' warranty is your assurance of quality.

This is why we have always provided RadiaLED® products with an industry leading ten year domestic and five year commercial extended warranty.

All of our products are independently tested to ensure that they perform to the highest standards.

To register your warranty simply go to:
jcc.co.uk/warranty

Service & support

If you have any questions about the RadiaLED® range please contact a member of our team.

Customer services
01243 **838999**

Technical support
01243 **838986**

Email
sales@jcc.co.uk



Patented RadiaLED® technology
UK patent pending No. 1209256.5

RADIALED OPTIMUM

💡 480 lumens
4000K

⚡ 8W LED

🔄 8W Optimum

💡 900 lumens
4000K

⚡ 14W LED

🔄 14W Optimum

RADIALED UTILITY

💡 790 lumens
4000K

⚡ 14W LED

🔄 Prismatic

💡 1370 lumens
4000K

⚡ 23W LED

🔄 Prismatic

RADIALED STYLE

💡 1025 lumens
4000K

⚡ 16W LED

🔄 16W Style

💡 1250 lumens
4000K

⚡ 21W LED

🔄 21W Style

RADIALED ELEMENT

💡 1015 lumens
4000K

⚡ 20W LED

RADIALED VOGUE

💡 1215 lumens
4000K

⚡ 23W LED

🔄 23W Vogue

💡 2080 lumens
4000K

⚡ 36W LED

🔄 36W Vogue

Highly efficient wall or ceiling light with decorative rims

NEW
product

- IP65 protection for outdoor applications
- 60 lumens per circuit Watt
- Unique compact emergency version available
- Twin conduit side entry points



— 270mm —

300mm option also available

Page 6

Ultra durable, vandal resistant amenity light

NEW
product

- IP65 protection for outdoor applications
- Up to 60 lumens per circuit Watt
- Emergency and microwave versions available
- Twin conduit side entry points



— 203mm —

283mm option also available

Page 8

Stylish interior wall and ceiling light

- IP44 protection against dust & moisture
- Up to 64 lumens per circuit Watt
- Emergency and microwave versions available
- Up to 43% energy saving



— 289mm —

351.5mm option also available

Page 9

Contemporary exterior wall light with decorative rims

- IP65 protection for outdoor applications
- 51 lumens per circuit Watt
- Emergency and microwave versions available
- Twin conduit side entry points



— 307mm —

Page 10

Highly decorative interior wall light

- IP40 protection
- Up to 56 lumens per circuit Watt
- Emergency and microwave versions available
- Available in white and chrome finishes



— 440mm —

530mm option also available

Page 11

The innovative solution to the issues of 2D fluorescent

Light reflector panel

The radial reflector is designed so that the light is distributed evenly across the fitting, eliminating hotspots.

Durable polycarbonate diffuser

Our RadiaLED® products come with the highest quality polycarbonate diffusers for maximum durability.

Base

The polycarbonate base for RadiaLED® has been specifically designed to allow conduit entry points into the base and help maintain the units' IP rating.

Radial LED array

The unique LED array around the edge of the fitting provides an even light transmission.



Ultra long life

The life of traditional 2D lamps is shortened by continuous switching on and off. The 40,000 hour life of RadiaLED® is not affected by frequent switching.



Instant start-up

RadiaLED® produces light as soon as it's switched on. Traditional 2D lamps have a much slower start-up time and will take longer to reach full brightness.



Flicker-free performance

Traditional 2D fittings commonly flicker on start-up and take time to settle down. RadiaLED® technology prevents this from happening.



Performs well at low temperatures

The life of a 2D lamp is not only shortened by low temperatures, but the start-up time is also slower. RadiaLED® starts instantly in all hot and cold conditions.

Smooth light distribution, no visible light source

No hot spots or visible lamps

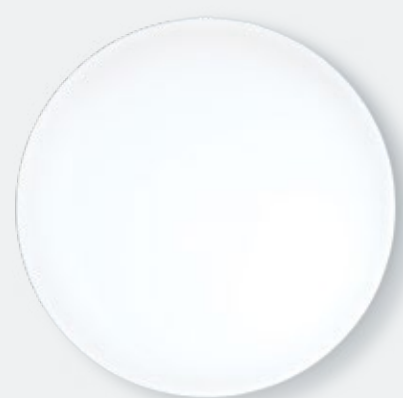
RadiaLED® technology uses JCC's patented LED array to allow light to flow evenly across the reflector and out through the diffuser. This eliminates the hot spots and visible lamps more commonly associated with poor quality LED arrays or fluorescent lamps.



✗ No unsightly 2D lamps



✗ No LED hotspots



✓ Even light distribution

RadiaLED® performs **four times longer** than fluorescent

The life expectancy of a traditional 2D fluorescent can be halved when a switching cycle is introduced. If a cycle of 3 hours on and 30 minutes off is used then the lamp life can be reduced by up to 75%. This can create a costly maintenance problem.

The effective lamp life of an average 2D lamp is up to 10,000 hours whereas the RadiaLED® lifespan is 40,000 hours and is not shortened by frequent switching making RadiaLED® the ideal replacement to maximise maintenance savings especially in areas activated by movement.

✗ Average 2D fluorescent lifespan



2D fluorescent



Microwave on/off

= Up to **10,000hrs**

✓ RadiaLED® lifespan



RadiaLED®



Microwave on/off

= **40,000hrs**

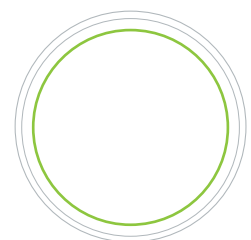
L70 explained

As well as lamp life, lumen maintenance is also a factor. RadiaLED's life expectancy is rated at L70, this effectively means greater than 70% of the original lumen output is delivered by the fitting at 30,000 hours.

Fluorescent lamp life is not rated in the same way. Its lumen degradation is greater than LED and reaches L70 at less than 7,000 hours if operated at optimum conditions. Poor thermal management and frequent switching will further accelerate the loss of lumen output.



2D 16W CFL
L70 - output at 7,000 hrs



RadiaLED®
L70 - output at 30,000 hrs

RADIALED[®] OPTIMUM

NEW
product


50% energy saving against 16W 2D fluorescent

- Outperforms 16W 2D fluorescent
- Ultra durable, fully polycarbonate construction
- Anti-tamper – ideal for amenity areas
- Twin conduit side entry points
- IK09 impact rating
- Available with four rim accessories

 **480 lumens**
4000K


 **8W LED**

 **60 LpcW**
Lumens per circuit Watt


 **IP65**
For outdoor applications

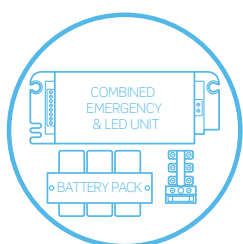
 **Emergency**
Version available

 **Microwave**
Version available

 **JC23331WOP**
Without rim



 **JC23341WOP**
Without rim



Innovative emergency unit

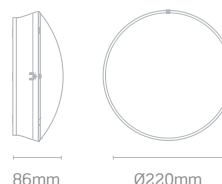
RadiaLED[®] Optimum retains the same size fitting for the emergency version as the standard fixture. This eliminates the need to use a larger luminaire. By combining the inverter and driver, JCC have created one of the most compact emergency modules available.

40% smaller than standard emergency unit

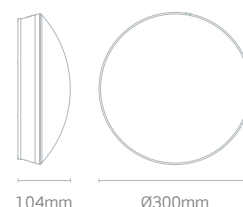
**Provides 3 hours illumination when
in emergency mode**

Colour temp.	Lumens	Wattage	LpcW	IP rating	IK rating
4000K	480	8W	60	IP65	IK09
4000K	900	14W	60	IP65	IK09

8W RadiaLED[®] Optimum



14W RadiaLED[®] Optimum



**RadiaLED® Optimum
rim options**
(sold separately)

See back page for codes

▼ Black



▼ Chrome



▼ White



▼ Satin Chrome



Same light level 50% energy saving

Making RadiaLED® Optimum one of our most efficient bulkheads yet

A traditional 2D fluorescent fitting loses up to 60% of their initial lamp lumens inside the fitting. RadiaLED® Optimum features a highly efficient transparent diffuser to avoid these legacy issues.

Standard 16W 2D



RadiaLED® Optimum 8W



Provides
420
Delivered lumens
Up to 60% less light
than initial lamp lumens
Only
26_{LpcW}



Provides
480
Delivered lumens
Over twice as efficient
as 2D fluorescent
Up to
60_{LpcW}

Outstanding cost savings

50% energy saving against 16W 2D fluorescent

£	£	☁	✓
Annual cost saving	Lifetime cost saving	Lifetime CO ₂ reduction	Extended warranty
£150.23	£1,502.30	0.25T/CO ₂ e	10years*

Energy and maintenance savings based on **10 RadiaLED® Optimum fittings** vs **10 16W CFL fittings**.
Annual usage of 12 hours per day, 365 days per year, over 10 years. Energy tariff £0.15 per kWh.

*Domestic warranty

Reliability & performance that exceeds traditional 2D

- Direct 16W and 28W CFL replacement
- Durable vandal resistant construction
- Performs well at low temperatures
- Emergency and microwave options
- Twin conduit side entry points
- **NEW** 14W emergency fitting



1370 lumens
4000K



23W LED



60 LpcW
Lumens per circuit Watt

Prismatic

790 lumens
4000K

14W LED

56 LpcW
Lumens per circuit Watt

Prismatic

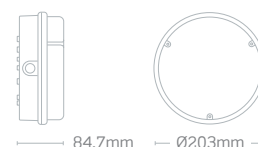
⬇ JC23201WPR



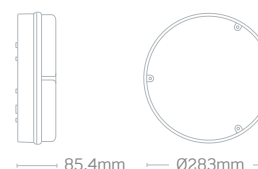
⬇ JC23202WOP



14W RadiaLED[®] Utility



23W RadiaLED[®] Utility



RadiaLED [®] Utility	Diffuser	Colour temp.	Lumens	Wattage	LpcW	IP rating	IK rating
203mm	Opal	4000K	560	14W	40	IP65	IK09
203mm	Prismatic	4000K	790	14W	56	IP65	IK09
283mm	Opal	4000K	915	23W	40	IP65	IK09
283mm	Prismatic	4000K	1370	23W	60	IP65	IK09

RADIALED[®] STYLE

The sleek solution to traditional 2D

- Direct 28W and 38W CFL replacement
- Up to 3 times as efficient as 2D
- Polycarbonate opal diffuser
- Emergency and microwave options
- Suitable for corridors and stairwells



1250 lumens
4000K



21W LED



60 LpcW
Lumens per circuit Watt

1025 lumens
4000K

16W LED

64 LpcW
Lumens per circuit Watt

▼ JC23205WOP



▼ JC23207WOP



16W RadiaLED[®] Style



121mm

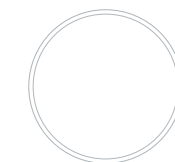


289mm

21W RadiaLED[®] Style



122.5mm




351.5mm

RadiaLED [®] Style	Colour temp.	Lumens	Wattage	LpcW	IP rating	IK rating
289mm	4000K	1025	16W	64	IP44	IK09
351.5mm	4000K	1250	21W	60	IP44	IK09

RADIALED[®] ELEMENT

Style & performance that exceeds traditional 2D

- Direct 28W CFL replacement
- Decorative rims available
- Emergency and microwave options
- Ideal for corridors, stairwells & other amenity areas
- Twin conduit side entry points

 1015 lumens
4000K


 20W LED

 51 LpcW
Lumens per circuit Watt

 IP65
For outdoor applications

 Emergency
Version available

 Step dimming
Options available

 JC23026WOP
Without rim



 JC23017BLK

 JC23018SIL

 JC23019CH

 JC23019SIL

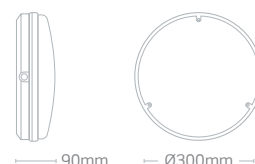
Two depths of rims

Eyelid and silver accessories are available in **shallow and deep sizes**.

Shallow rims allow for use with conduit entry points



Colour temp.	Lumens	Wattage	LpcW	IP rating
4000K	1015	20W	51	IP65



RADIALED® VOGUE

Beautifully bright, **up to twice as bright** as CFL

- Direct 38W 2D & 2X26W CFL replacement
- Ultra high output fittings
- Surface luminaire with high quality decorative rim
- Emergency and microwave options
- Ideal for corridors and stairwells
- Twin conduit entry points



1215 lumens
4000K



23W LED
25W total wattage



49 LpcW
Lumens per circuit Watt

2080 lumens
4000K

36W LED
37W total wattage

56 LpcW
Lumens per circuit Watt

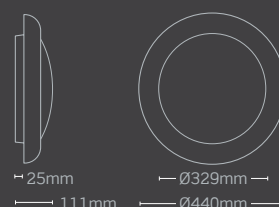
Unique back illuminated halo

▼ JC96313CH

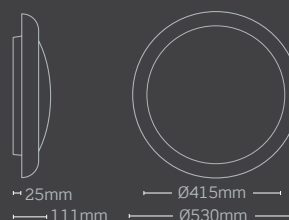
▼ JC96311WH



23W RadiaLED® Vogue



36W RadiaLED® Vogue



RadiaLED® Vogue	Colour temp.	Lumens	Wattage	LpcW	IP rating
440mm	4000K	1215	23W	49	IP40
530mm	4000K	2080	36W	56	IP40

RADIALED OPTIMUM

Code	Description	Watt	Lumens
JC23331	RadiaLED® Optimum	8W	480
JC23332	RadiaLED® Optimum <i>emergency</i>	8W	480
JC23333	RadiaLED® Optimum c/w microwave on/off sensor	8W	480
JC23334	RadiaLED® Optimum c/w microwave on/off sensor <i>emergency</i>	8W	480
JC23330BLK	RadiaLED® Optimum 8W accessory rim - Black	-	-
JC23330CH	RadiaLED® Optimum 8W accessory rim - Chrome	-	-
JC23330WH	RadiaLED® Optimum 8W accessory rim - White	-	-
JC23330SCH	RadiaLED® Optimum 8W accessory rim - Satin Chrome	-	-
JC23341	RadiaLED® Optimum	14W	900
JC23342	RadiaLED® Optimum <i>emergency</i>	14W	900
JC23343	RadiaLED® Optimum c/w microwave on/off sensor	14W	900
JC23344	RadiaLED® Optimum c/w microwave on/off sensor <i>emergency</i>	14W	900
JC23340BLK	RadiaLED® Optimum 14W accessory rim - Black	-	-
JC23340CH	RadiaLED® Optimum 14W accessory rim - Chrome	-	-
JC23340WH	RadiaLED® Optimum 14W accessory rim - White	-	-
JC23340SCH	RadiaLED® Optimum 14W accessory rim - Satin Chrome	-	-

RADIALED UTILITY

Code	Description	Watt	Lumens (WOP)	Lumens (WPR)
JC23201	RadiaLED® Utility	14W	560	790
JC23210	RadiaLED® Utility <i>emergency</i>	14W	560	790
JC23211	RadiaLED® Utility c/w microwave on/off sensor	14W	560	790
JC23214	RadiaLED® Utility c/w microwave on/off sensor <i>emergency</i>	14W	560	790
JC23221	RadiaLED® Utility c/w microwave dimming	14W	560	790
JC23202	RadiaLED® Utility	23W	915	1370
JC23203	RadiaLED® Utility <i>emergency</i>	23W	915	1370
JC23212	RadiaLED® Utility c/w microwave on/off sensor	23W	915	1370
JC23213	RadiaLED® Utility c/w microwave on/off sensor <i>emergency</i>	23W	915	1370
JC23222	RadiaLED® Utility c/w microwave dimming	23W	915	1370
JC23223	RadiaLED® Utility c/w microwave dimming <i>emergency</i>	23W	915	1370

RADIALED ELEMENT

Code	Description	Watt	Lumens
JC23026	RadiaLED® Element	20W	1015
JC23027	RadiaLED® Element <i>emergency</i>	20W	1015
JC23028	RadiaLED® Element c/w microwave sensor	20W	1015
JC23029	RadiaLED® Element c/w microwave dimming	20W	1015
JC23016BLK	RadiaLED® Element deep eyelid attachment - Black	-	-
JC23017BLK	RadiaLED® Element shallow eyelid attachment - Black	-	-
JC23018SIL	RadiaLED® Element deep decorative rim - Silver	-	-
JC23019SIL	RadiaLED® Element shallow decorative rim - Silver	-	-
JC23019CH	RadiaLED® Element shallow decorative rim - Chrome	-	-

RADIALED STYLE

Code	Description	Watt	Lumens
JC23205	RadiaLED® Style	16W	1025
JC23215	RadiaLED® Style c/w microwave on/off sensor	16W	1025
JC23225	RadiaLED® Style c/w microwave dimming	16W	1025
JC23207	RadiaLED® Style	21W	1250
JC23209	RadiaLED® Style <i>emergency</i>	21W	1250
JC23217	RadiaLED® Style c/w microwave on/off sensor	21W	1250
JC23219	RadiaLED® Style c/w microwave on/off sensor <i>emergency</i>	21W	1250
JC23227	RadiaLED® Style c/w microwave dimming	21W	1250
JC23229	RadiaLED® Style c/w microwave dimming <i>emergency</i>	21W	1250

RADIALED VOGUE

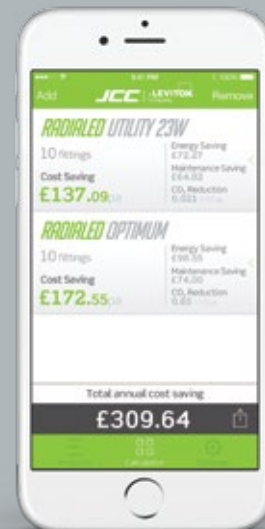
Code	Description	Watt	Lumens
JC96311	RadiaLED® Vogue	23W	1215
JC96312	RadiaLED® Vogue <i>emergency</i>	23W	1215
JC96313	RadiaLED® Vogue	36W	2080
JC96314	RadiaLED® Vogue <i>emergency</i>	36W	2080
JC96317	RadiaLED® Vogue c/w microwave on/off sensor	36W	2080

LED

4000K CRI: Ra (80)

Construction

Body – polycarbonate
Diffuser – opal polycarbonate (WOP)
prismatic polycarbonate (WPR) – for RadiaLED® Utility only



Calculate your cost savings

Download JCC's free cost saving app to see how much money you could save by using any RadiaLED® fitting.

Simply enter the number of fittings that you require and see your precise energy reduction and cost savings.

Available on the
App Store

GET IT ON
Google play

JCC's cost saving app is available for free on both iOS & Android devices.

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