

# Foil Radiant

Suspended multi-services system incorporating radiant heating or cooling elements, acoustics and LED lighting



End Return



Through Connection

## Overview

An elegant integrated lighting solution combining LED lighting technology with excellent acoustic performance. Highly efficient integrated radiant panels ensure even temperature distribution across the full height of the room giving added flexibility to space management.

## Optics

- 1200mm central pod
- Low output – 3700 lumens (30.2W)
- High output – 5600 lumens (46.7W)
- Hexaprism diffuser
- 75% downlight, 25% uplight
- Available with 3000K and 4000K LED

# Body

- Integrated lighting, acoustics and heating or cooling
- Perforated side panels contain 30mm thickness of absorbing materials to address reverberation requirements and improve the acoustic environment
- Integration of radiant heating and cooling ensures even temperature distribution
- Adaptable and simple system
- Edge detail provides a thin appearance
- Push fit connection hoses for simple installation
- RAL Colour: Silver RAL9006
- IP20 as standard
- IP44 versions available on request
- No need for end caps
- Infills do not include connection hoses, please order separately
- Luminaire infill panels can be modified to accommodate items such as speakers, smoke detectors, fire alarms and sprinkler heads
- DALI as standard, please note this product has no switched live and must be used with a DALI control system or sensor
- Air Control option (requires remote detector)
- 'Active' and 'non-active' panels available to enable best heating/cooling design whilst controlling costs
- Separate 3m hose kit to be ordered for 'non-active' panels

## Order codes

			B50			
IP20	DALI	3hr Emergency	LL/CW	L70	L80	L90
Low Output (3700 lumen), active panel	FLRL121YIP20	FLRL121YIP20EM	112	>100k	>100k	50k
High Output (5600 lumen), active panel	FLRL122YIP20	FLRL122YIP20EM	120	>100k	>100k	50k
Low Output (3700 lumen), non-active panel	FLRL121YIP20NA	FLRL121YIP20NAEM	112	>100k	>100k	50k
High Output (5600 lumen), non-active panel	FLRL122YIP20NA	FLRL122YIP20NAEM	120	>100k	>100k	50k

## Accessories

400mm long infill	FLRL400INF
800mm long infill	FLRL800INF
1200mm long infill	FLRL1200INF
400mm infill hose kit	FLRL400HOS
800mm infill hose kit	FLRL800HOS
1200mm infill hose kit	FLRL1200HOS
Continuous hose kit	FLRLCONTHOS
End of row hose kit	FLRENDHOS
3m non-active panel hose kit	FLRLNAHOS
Raft clamp (2 req'd per joint)	FLRSAILCLAMP
Suspension kit *	FLRLSUSKIT

\* 1 suspension kit required for each luminaire and each infill

## Options

COMEPS Add suffix 'EP' ie. FLRL121YIP20EP

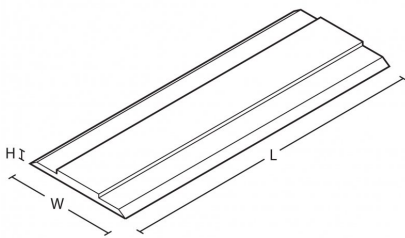
AIR CONTROL ENABLED (DALI ONLY) Add 'AC' before 'Y' ie. FLRL121ACYIP20

For 3000K colour temperature, please contact Whitecroft

## LED Performance

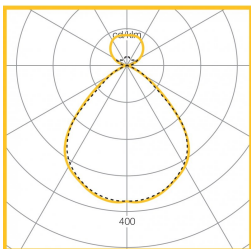
Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

## Dimensions

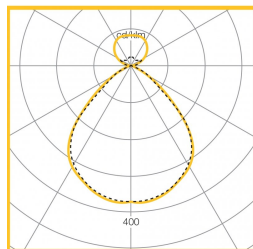


L	W	H	KG
2200	900	85	35

## Photometric Performance

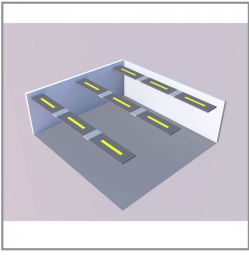


5600 lumen  
46.7W  
LOR = 100%



3700 lumen  
30.2W  
LOR = 100%

# Performance Guide



Lamps	LED, 3700 lumens
Illuminance	376 lux
Spacing	3 rows of 3 (55m <sup>2</sup> Classroom) with 6 outer active panels
Maintenance	0.8
Reflectance	70/50/20%
Ceiling Height	3.2m
Working plane	0.75m
Suspension	0.6m
Uniformity	0.68
Wall illuminance	50%
Ceiling illuminance	52%
Modelling	0.38
UGR	19

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## To Specify

Suspended multi-service system with combined acoustics, heating and lighting. With efficient low glare LED luminaire having direct/indirect lighting ratio of 75/25% to create a comfortable visual environment. Including 30mm thick acoustic material for sound absorption and radiant heating elements behind perforated side panels on both sides for maximum effectiveness. Simple push fit connection between continuous rafts for quick installation - As Whitecroft Lighting FOIL RADIANT.

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