

BG

Series



Simple yet brilliant

A new system of linear fluorescent luminaires using T5 energy efficient lamp technology

A choice of either clear linear prismatic or satin finish diffuser



Fluorel Lighting

BG Series - a new system of linear fluorescent luminaires with T5 energy efficient lamp technology



Surface mounted or suspended.

Common body profile designed to house **single** and **twin** lamp configurations. The smooth outer surface is wipe clean for ease of maintenance.



Strength with safety

All polycarbonate Tpa construction - body, diffuser and end caps. Meets the requirements of 850deg hot wire test. Conforms to building regulations and is impact resistant. Double insulated class 2 for electrical safety and meets 'F' Mark British and European regulations.

Emergency conversions for 600mm and 900mm options are housed in matching add-on extension section. Integral emergency conversions for 1200 and 1500mm sizes.



Ease of access

Diffuser is cleverly retained along full length of body, offering good vandal resistance and a degree of protection from ingress of pollutants. Removable gear tray, easy maintenance and installation.

Lighting the way

Both diffuser options offer outstanding light transmission. The satin finish gives even frosted appearance whilst the linear prisms on the clear option give a low glare cut off appearance.

Now available with digital dimmable control gear to special order. Lighting control systems are also available. Contact Fluorel for specific details.

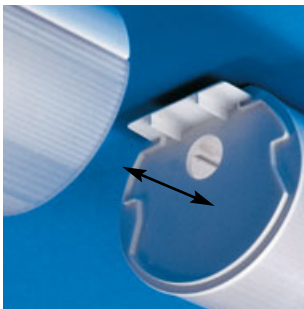


BG Series - simple yet brilliant



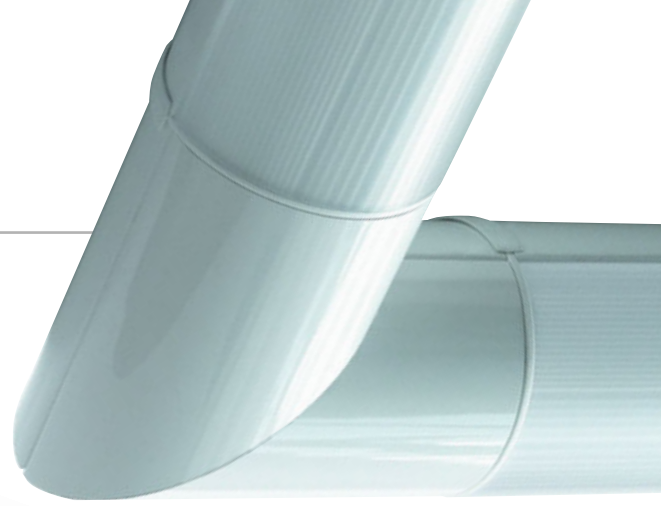
Flexibility of design

The BG Series is designed to be stand alone or joined to form attractive and dramatic lighting runs. Corners are available allowing feature runs to follow contours. Bodies are available in end and middle sections, which simply slot together and offer through-wiring facility.



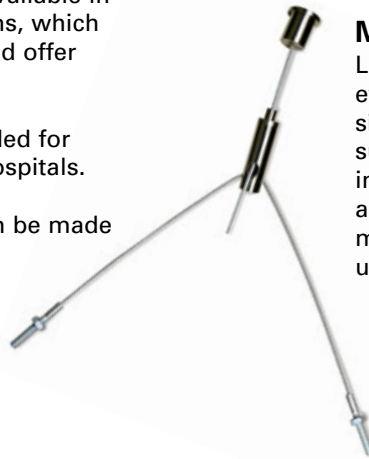
Night lights can be added for applications such as hospitals.

Blank infill sections can be made to order.



Mounting options

Luminaires can be ceiling, wall or even cornice mounted. Hi-tech single wire suspension set for suspended options with simple installation and minimalist appearance. When surface mounted the BG Series can hide unsightly ceiling boxes.



Photometric Data

Satin Finish Diffuser

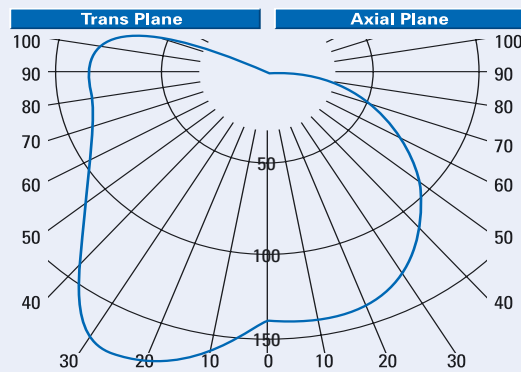
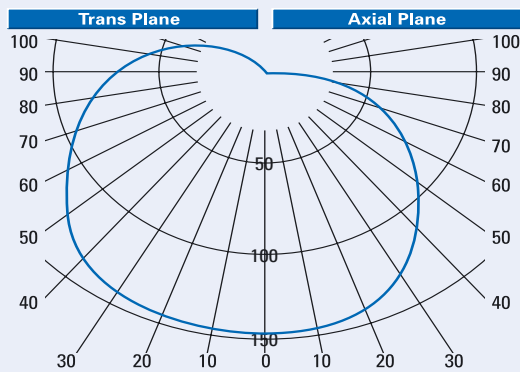
Photometric Data based on Single 1200mm luminaire 28w T5 High Efficiency.

Light Output Ratio: Up .09 Down .53 Total .62
SHR MAX 1.55

Clear Finish Diffuser

Photometric Data based on Single 1200mm luminaire 28w T5 High Efficiency.

Light Output Ratio: Up .12 Down .57 Total .69
SHR MAX 1.53



Utilisation Factors UF(F)				SHR NOM = 1.50							
Room Reflectances			Room Index								
C	W	F	.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
.70	.50	.20	.31	.36	.41	.44	.48	.51	.53	.56	.59
	.30		.27	.31	.36	.39	.44	.47	.50	.53	.56
	.10		.23	.27	.32	.35	.40	.44	.47	.50	.53
.50	.50	.20	.30	.34	.38	.41	.45	.47	.49	.52	.54
	.30		.25	.30	.34	.37	.41	.44	.46	.50	.52
	.10		.22	.26	.30	.33	.38	.41	.44	.47	.50
.30	.50	.20	.28	.32	.35	.38	.42	.44	.46	.48	.50
	.30		.24	.28	.32	.35	.39	.41	.43	.46	.48
	.10		.21	.25	.29	.32	.36	.39	.41	.44	.47
00	00	00	.19	.22	.26	.29	.32	.35	.37	.40	.42
BZ Class			5	5	5	5	5	5	5	5	5

Utilisation Factors UF(F)				SHR NOM = 1.50							
Room Reflectances			Room Index								
C	W	F	.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
.70	.50	.20	.36	.41	.46	.49	.54	.57	.60	.63	.65
	.30		.30	.36	.41	.44	.49	.53	.56	.59	.62
	.10		.27	.32	.36	.40	.45	.49	.52	.56	.59
.50	.50	.20	.33	.38	.43	.46	.50	.53	.55	.58	.60
	.30		.29	.34	.38	.41	.46	.49	.52	.55	.57
	.10		.25	.30	.35	.38	.43	.46	.49	.53	.55
.30	.50	.20	.31	.36	.40	.42	.46	.49	.51	.53	.55
	.30		.27	.32	.36	.39	.43	.46	.48	.51	.53
	.10		.24	.29	.33	.36	.40	.43	.46	.49	.51
00	00	00	.22	.26	.29	.32	.36	.39	.41	.43	.45
BZ Class			5	5	5	5	5	5	5	5	5

Satin finish diffuser - catalogue numbers

Lamp Wattage	Nominal Length	Individual	Middle Units	End Units	Lamp Wattage	Nominal Length	Individual	Middle Units	End Units
14w high efficiency	600mm	BG114SOL	BG114SOL-M	BG114SOL-E	14w high efficiency	600mm	BG214SOL	BG214SOL-M	BG214SOL-E
24w high output	600mm	BG124HOL	BG124HOL-M	BG124HOL-E	24w high output	600mm	BG224HOL	BG224HOL-M	BG224HOL-E
21w high efficiency	900mm	BG121SOL	BG121SOL-M	BG121SOL-E	21w high efficiency	900mm	BG221SOL	BG221SOL-M	BG221SOL-E
39w high output	900mm	BG139HOL	BG139HOL-M	BG139HOL-E	39w high output	900mm	BG239HOL	BG239HOL-M	BG239HOL-E
28w high efficiency	1200mm	BG128SOL	BG128SOL-M	BG128SOL-E	28w high efficiency	1200mm	BG228SOL	BG228SOL-M	BG228SOL-E
54w high output	1200mm	BG154HOL	BG154HOL-M	BG154HOL-E	54w high output	1200mm	BG254HOL	BG254HOL-M	BG254HOL-E
35w high efficiency	1500mm	BG135SOL	BG135SOL-M	BG135SOL-E	35w high efficiency	1500mm	BG235SOL	BG235SOL-M	BG235SOL-E
49w high output	1500mm	BG149HOL	BG149HOL-M	BG149HOL-E	49w high output	1500mm	BG249HOL	BG249HOL-M	BG249HOL-E

All supplied complete with lamps - for emergency conversion add suffix /emg

Clear finish diffuser - catalogue numbers

Lamp Wattage	Nominal Length	Individual	Middle Units	End Units	Lamp Wattage	Nominal Length	Individual	Middle Units	End Units
14w high efficiency	600mm	BGC114SOL	BGC114SOL-M	BGC114SOL-E	14w high efficiency	600mm	BGC214SOL	BGC214SOL-M	BGC214SOL-E
24w high output	600mm	BGC124HOL	BGC124HOL-M	BGC124HOL-E	24w high output	600mm	BGC224HOL	BGC224HOL-M	BGC224HOL-E
21w high efficiency	900mm	BGC121SOL	BGC121SOL-M	BGC121SOL-E	21w high efficiency	900mm	BGC221SOL	BGC221SOL-M	BGC221SOL-E
39w high output	900mm	BGC139HOL	BGC139HOL-M	BGC139HOL-E	39w high output	900mm	BGC239HOL	BGC239HOL-M	BGC239HOL-E
28w high efficiency	1200mm	BGC128SOL	BGC128SOL-M	BGC128SOL-E	28w high efficiency	1200mm	BGC228SOL	BGC228SOL-M	BGC228SOL-E
54w high output	1200mm	BGC154HOL	BGC154HOL-M	BGC154HOL-E	54w high output	1200mm	BGC254HOL	BGC254HOL-M	BGC254HOL-E
35w high efficiency	1500mm	BGC135SOL	BGC135SOL-M	BGC135SOL-E	35w high efficiency	1500mm	BGC235SOL	BGC235SOL-M	BGC235SOL-E
49w high output	1500mm	BGC149HOL	BGC149HOL-M	BGC149HOL-E	49w high output	1500mm	BGC249HOL	BGC249HOL-M	BGC249HOL-E

All supplied complete with lamps - for emergency conversion add suffix /emg

Dimension A (mm)

Lamp Wattage		Continuous Features		
		Individual	Middle Units	End Units
14w high efficiency	24w high output	610	583	598
21w high efficiency	39w high output	910	883	898
28w high efficiency	54w high output	1210	1183	1198
35w high efficiency	49w high output	1510	1483	1498

For Continuous features you will need the appropriate mix of end and middle units. For example, a run of three single 54w sections requires 2 x end units, plus 1 x middle unit. Thus:

- 2 x BG154HOL-E
- 1 x BG154HOL-M
- 3 x BGAWS (adjustable wire suspension sets if required to be suspended)



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of lighting fittings

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Elementary by design **Fluorel**