

MEGAMAN[®]
Energy Saving Lamps

MEGAMAN[®]

**products
catalog**

2008



CFL GU10

ENERGY SAVING LAMPS



BR0707i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GU10	50	65	45

7 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LB0301	Operating Temperature: +40°C / -10°C
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BR0709i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GU10	50	76	52

9 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LB0301	Operating Temperature: +40°C / -10°C
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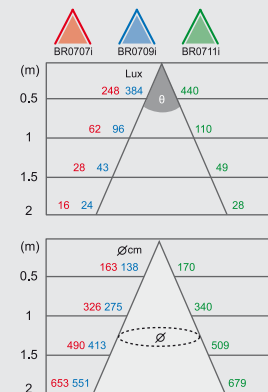


BR0711i

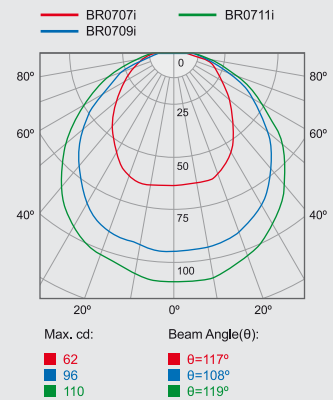


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GU10	50	76	52

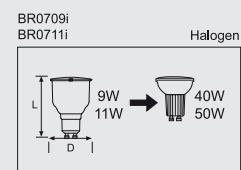
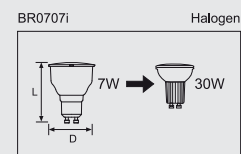
11 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LB0301	Operating Temperature: +40°C / -10°C
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Luminous Intensity in cd



Comparison of equivalent luminous flux against halogens



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CFL GU10

ENERGY SAVING LAMPS



BR0409

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GU10	50	73	51

9 Watt

10,000 hours



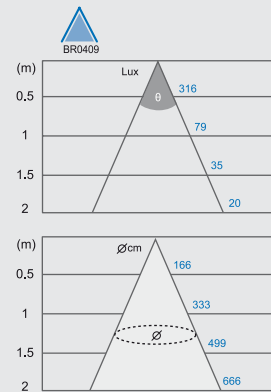
Standard Pack
60 (10)



Optional Snap-in Reflector LB0301

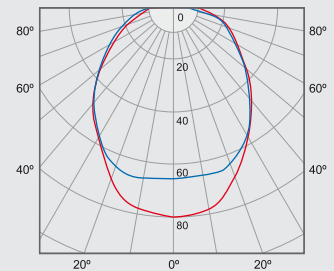


Operating Temperature
+40°C
-10°C



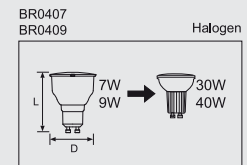
Luminous Intensity in cd

BR0409



Max. cd: 61 (red), 79 (blue)
Beam Angle(θ): 118° (red), 118° (blue)

Comparison of equivalent luminous flux against halogens



CFL AR111

ENERGY SAVING LAMPS



GX0311i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GU10	111	55	125

9 Watt	15,000 hours	Standard Pack 30 (5)	Beam Angle 45°	Operating Temperature +60°C / -10°C
11 Watt				

Accessory:

An optional ring is included for fixtures with a larger diameter.

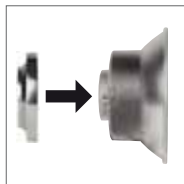


LB0901

Installation of snap-in ring:

In order to facilitate retrofit on all fixtures for the CFL AR111, an aluminium snap-in ring is available for use when necessary. Please see the following diagrams for installation.

Step 1



Position the snap-in ring onto the bottom of lamp, then slowly move the ring towards the rim of the lamp.

Make sure the ring is securely intact with the lamp.

Step 2

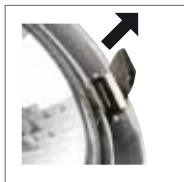


Carefully insert the lamp onto the fixture.

Ensure the clamps on the side of the fixture hold the lamp securely in position.

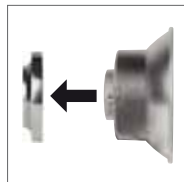
Removal of snap-in ring:

Step 1



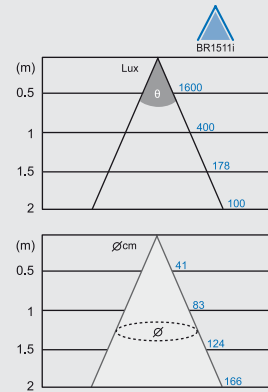
Remove the lamp from the fixture.

Step 2

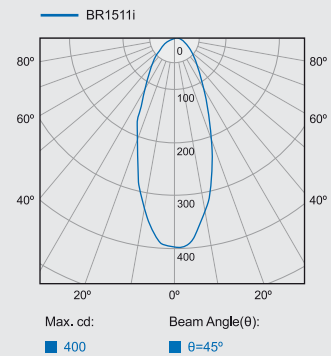


Carefully remove the snap-in ring from the lamp with the tip of your fingers.

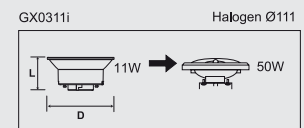
Gently slide the ring towards the bottom of the lamp to remove.



Luminous Intensity in cd



Comparison of equivalent luminous flux against halogens



COMPACT REFLECTOR

ENERGY SAVING LAMPS



BR0907i R50



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E14	50	87	53

7 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LA0201SV	Operating Temperature +40°C -10°C
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BR0909i R50



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E14	50	87	63

9 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LA0201SV	Operating Temperature +40°C -10°C
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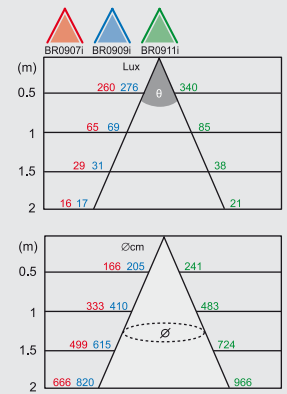


BR0911i R50



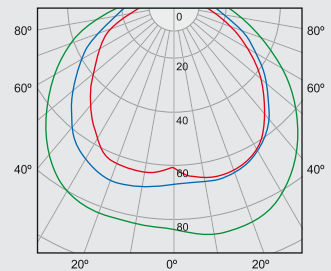
Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E14	50	87	66

11 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LA0201SV	Operating Temperature +40°C -10°C
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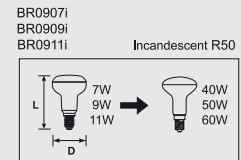
Luminous Intensity in cd

- BR0907i
- BR0909i
- BR0911i



Max. cd	Beam Angle(θ):
65	θ=118°
69	θ=128°
85	θ=135°

Comparison of equivalent luminous flux against incandescent reflectors



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



COMPACT REFLECTOR

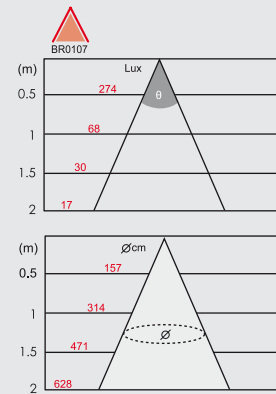
ENERGY SAVING LAMPS



BR0107 R50

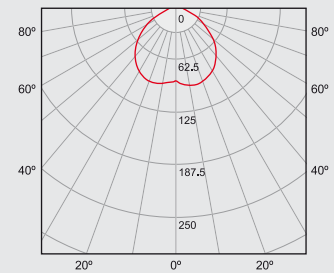
Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E14	50	85	49

7 Watt	10,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LA0201SV	Operating Temperature $+40^{\circ}\text{C}$ -10°C
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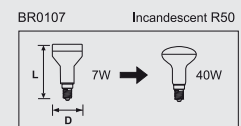
Luminous Intensity in cd

— BR0107



Max. cd: **68** Beam Angle(θ): **$\theta=115^{\circ}$**

Comparison of equivalent luminous flux against incandescent reflectors



COMPACT REFLECTOR

ENERGY SAVING LAMPS



BR1111i R63



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	103	95

11 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LB0101	Operating Temperature +40°C -10°C
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BR1113i R63



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	103	100

13 Watt	15,000 hours	Standard Pack 60 (10)	Optional Snap-in Reflector LB0101	Operating Temperature +40°C -10°C
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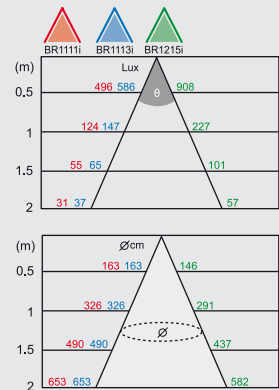


BR1215i R80

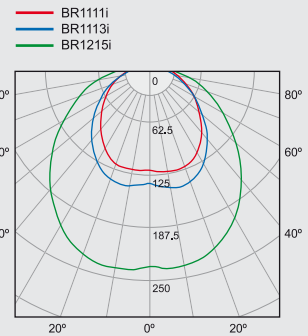


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	80	113	149

15 Watt	15,000 hours	Standard Pack 24 (6)	Optional Snap-in Reflector LB0201	Operating Temperature +40°C -10°C
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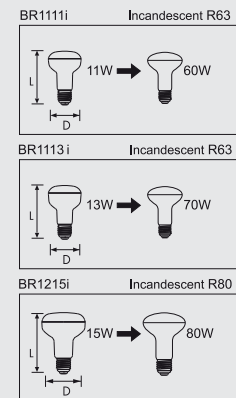


Luminous Intensity in cd



Max. cd:	Beam Angle(θ):
124	$\theta = 117^\circ$
147	$\theta = 117^\circ$
227	$\theta = 111^\circ$

Comparison of equivalent luminous flux against halogen reflectors



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CFL PAR38

ENERGY SAVING LAMPS



BR0620 PAR38

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	121	133	240

20 Watt | 10,000 hours | Standard Pack 24 (6) | Operating Temperature: +40°C / -30°C

IP54 protection is guaranteed when used with proper fixtures of IP44 or above.

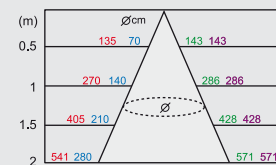
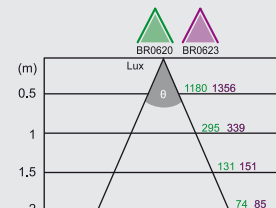


BR0623 PAR38

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	121	133	238

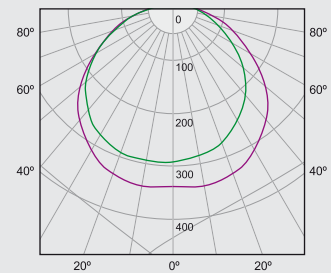
23 Watt | 10,000 hours | Standard Pack 24 (6) | Operating Temperature: +40°C / -20°C

IP54 protection is guaranteed when used with proper fixtures of IP44 or above.



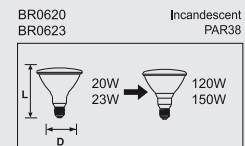
Luminous Intensity in cd

— BR0620
— BR0623



Max. cd: ■ 295 ■ 339
 Beam Angle(θ): ■ θ=110° ■ θ=110°

Comparison of equivalent luminous flux against incandescent reflectors



CFL PAR30H

ENERGY SAVING LAMPS



BR1315i *PAR30H*



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	95	88	153

15 Watt	15,000 hours	Standard Pack 24 (6)	Operating Temperature +40°C -10°C
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Product Features

With **Incandescent** Reflector

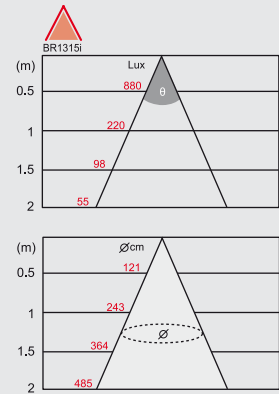


Display items are partially illuminated by the uneven distribution of the Incandescent PAR38. Moreover, colours appear more yellowish.

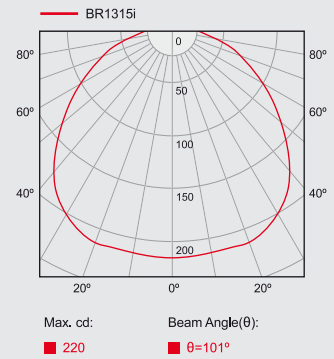
With **MEGAMAN**® Reflector



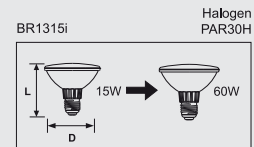
The MEGAMAN® energy-saving PAR38 reflectors produces floodlight illumination at close distance to outstand and reflect genuine colours of display items.



Luminous Intensity in cd



Comparison of equivalent luminous flux against halogens



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CFL GX53 Hi-Lite

ENERGY SAVING LAMPS



GX0107iF

40 lm/W **Hi-Lite** ingenium®

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GX53	75	26	59

7 Watt 15,000 hours Standard Pack 60 (10) 280lm Operating Temperature: +40°C / -10°C



GX0109iF

40 lm/W **Hi-Lite** ingenium®

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GX53	75	26	63

9 Watt 15,000 hours Standard Pack 60 (10) 360lm Operating Temperature: +40°C / -10°C



GX0113iF

40 lm/W **Hi-Lite** ingenium®

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
GX53	75	37	93

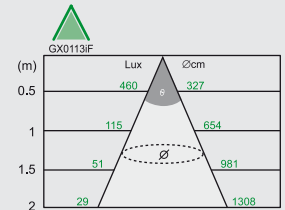
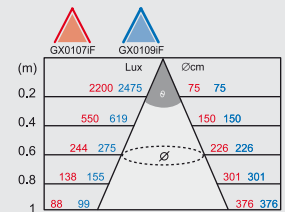
13 Watt 15,000 hours Standard Pack 60 (10) 520lm Operating Temperature: +40°C / -10°C

Hi-Lite

Glass cover

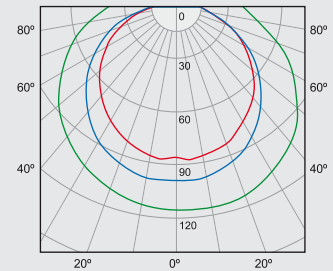
40 lm/W

- Upgraded lumen output to 40 lm/W with frosted glass cover
- Ideal for use as downlights



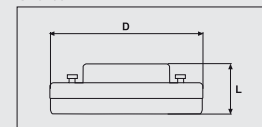
Luminous Intensity in cd

— GX0107iF
— GX0109iF
— GX0113iF

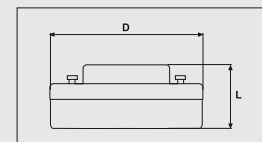


Max. cd: 88, 99, 115
Beam Angle(θ): θ=124°, θ=124°, θ=146°

GX0107iF
GX0109iF



GX0113iF



ENERGY SAVING LAMPS



4U107i NEW



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
G9	36	63	30

7 Watt 15,000 hours **310lm** Standard Pack 60 (10)



4U109i NEW



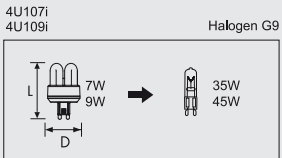
Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
G9	36	74	36

9 Watt 15,000 hours **440lm** Standard Pack 60 (10)



Lamp life of 1 MEGAMAN® CFL equals 15 G9 halogens

MEGAMAN® CFL = G9 Halogens



Product Features

Alternative to G9 halogen



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time





DIMMERABLE

100% - 10% Brightness

ENERGY SAVING LAMPS



CL809d



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	43	118	63
E14	43	123	63

9 Watt 10,000 hours **405lm** Standard Pack 60 (10)



GSU111d



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	114	76

11 Watt 10,000 hours **570lm** Standard Pack 60 (10)



GSU418d

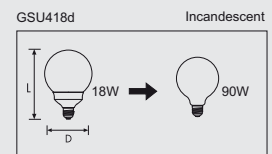
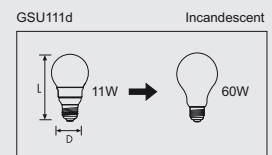
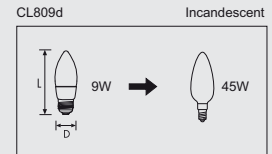


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	98	149	174

18 Watt 10,000 hours **1008lm** Standard Pack 24 (6)



Remarks: Opal glass cover



Dimming in Ordinary Dimmer Light Switch

1. Switch the lamp ON for at least 1 minute until it reaches 100% brightness level.*
2. To dim, turn the knob at anti-clockwise direction to achieve desired brightness level.



DorS DIMMING



Brightness

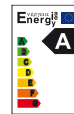


GK715s



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E14	68	128	98
E27	68	128	98

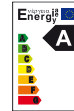
15 Watt 10,000 hours 800lm Standard Pack 60 (10)



GSU423s

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	98	149	224

23 Watt 10,000 hours 1371lm Standard Pack 24 (6)



Remarks: Opal glass cover

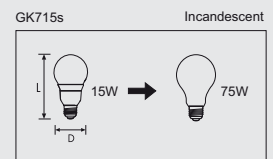
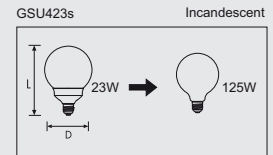


Dimming on Ordinary Light Switch

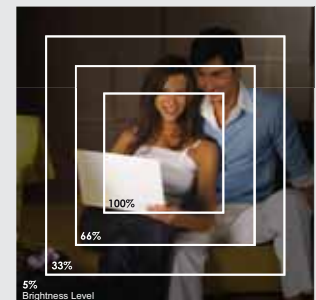
1. Switch lamp ON until it reaches 100% brightness.
2. To dim, switch lamp OFF then ON again within 3 seconds.
3. Repeat the above action to dim lamp to desired brightness level.



100% 66% 33% 5%



4-Step Dimming



100% 66% 33% 5% 4-Step Dimming



PING PONG

ENERGY SAVING LAMPS

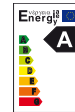


GA805i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	74	42
E14	45	84	39

5 Watt 15,000 hours **200lm** Standard Pack 60 (10)



Description: Translucent housing



GA807i

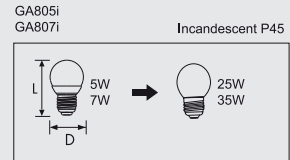


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	74	44
E14	45	84	41

7 Watt 15,000 hours **286lm** Standard Pack 60 (10)



Description: Translucent housing



Similar size as incandescent P45



Translucent housing for all-rounded illumination



Ordinary housing



real size



real size



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CLASSIC

ENERGY SAVING LAMPS

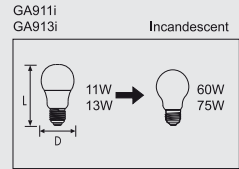


GA911i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	55	102	54

11 Watt 15,000 hours **570lm** Standard Pack 60 (10)

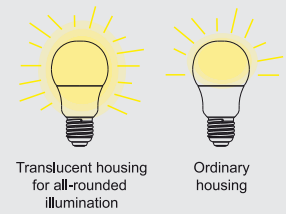
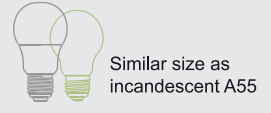


GA913i

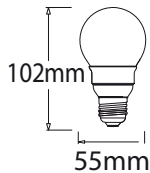


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	55	102	57

13 Watt 15,000 hours **663lm** Standard Pack 60 (10)



11W
~
60W



real size



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CLASSIC

ENERGY SAVING LAMPS

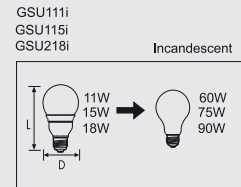


GSU111i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	113	80
E14	60	113	78

11 Watt 15,000 hours **570lm** Standard Pack 60 (10)

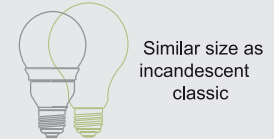


GSU115i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	64	116	95

15 Watt 15,000 hours **800lm** Standard Pack 60 (10)



GSU218i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	114	95

18 Watt 15,000 hours **900lm** Standard Pack 60 (10)

CLASSIC

ENERGY SAVING LAMPS



GSU111



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	113	80
E14	60	113	78

11 Watt

15.000 hours

570lm

Standard Pack
60 (10)



GSU115



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	64	116	95

15 Watt

15.000 hours

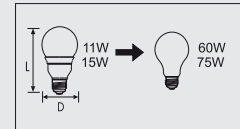
800lm

Standard Pack
60 (10)



GSU111
GSU115

Incandescent



Similar size as
incandescent
classic



ULTRA COMPACT CANDLE

ENERGY SAVING LAMPS



CL707i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	37	96	43
E14	37	99	43

7 Watt

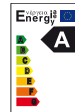
15,000 hours



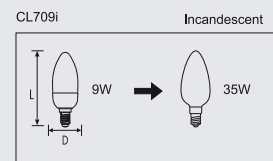
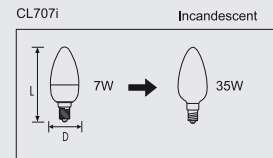
286lm



Standard Pack 60 (10)



Description: Smooth Glass with Silicone Protection and Translucent housing



CL709i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	37	107	48
E14	37	109	48

9 Watt

15,000 hours



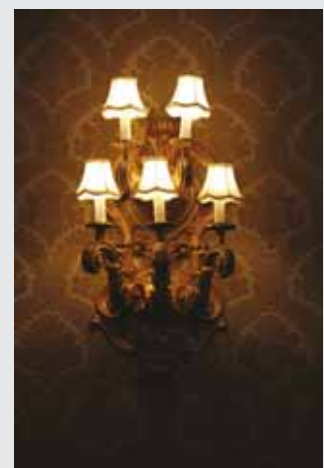
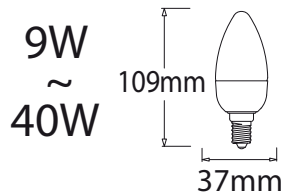
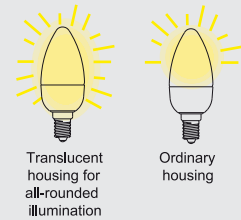
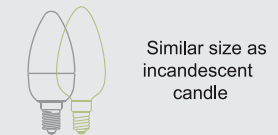
405lm



Standard Pack 60 (10)



Description: Smooth Glass with Silicone Protection and Translucent housing



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



ULTRA COMPACT CANDLE

ENERGY SAVING LAMPS



CL407



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	37	96	43
E14	37	99	43

7 Watt

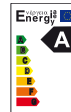
10,000 hours



286lm



Standard Pack 60 (10)



Description: Smooth Glass with Silicone Protection and Translucent housing



CL409



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	37	107	48
E14	37	109	48

9 Watt

10,000 hours



405lm

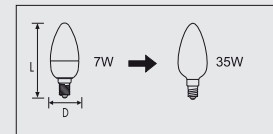


Standard Pack 60 (10)

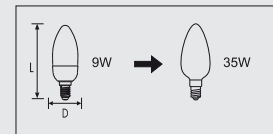


Description: Smooth Glass with Silicone Protection and Translucent housing

CL707i Incandescent



CL709i Incandescent



Similar size as incandescent candle



Translucent housing for all-rounded illumination



Ordinary housing



LILIPUT PLUS

ENERGY SAVING LAMPS



MU111i MU-tube



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	84	54
E14	45	86	52

11 Watt 15,000 hours **700lm** Standard Pack 60 (10)



MU115i MU-tube



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	93	62
E14	45	95	60

15 Watt 15,000 hours **950lm** Standard Pack 60 (10)



MU120i MU-tube

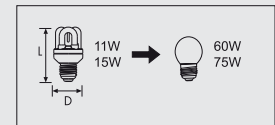


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	112	75

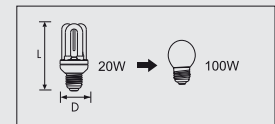
20 Watt 15,000 hours **1300lm** Standard Pack 60 (10)



MU111i
MU115i Incandescent



MU120i Incandescent



Similar size as incandescent bulb



Ø45

Same diameter as Incandescent P45



Employs GREEN ring for E27 / E14 lamp base



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



LILIPUT PLUS

ENERGY SAVING LAMPS

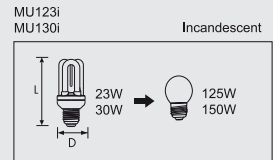


MU123i MU-tube



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	120	80

23 Watt 15,000 hours **1500lm** Standard Pack 60 (10)



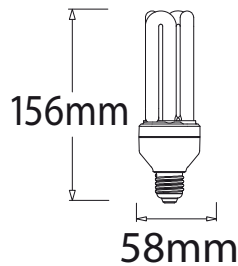
MU130i MU-tube



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	58	156	173

30 Watt 15,000 hours **2000lm** Standard Pack 60 (10)

30W
~
150W



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



TUBULAR

ENERGY SAVING LAMPS



SU209 *SU-tube*

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E14	46	106	50

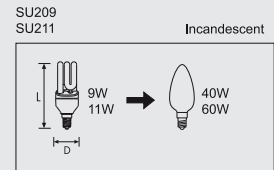
9 Watt	12,000 hours	450lm	Standard Pack 60 (10)	
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SU211 *SU-tube*

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E14	46	120	58

11 Watt	12,000 hours	650lm	Standard Pack 60 (10)	
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measurement based on diagonal diameter



Similar size as incandescent bulb

TUBULAR

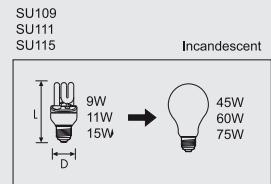
ENERGY SAVING LAMPS



SU109 *SU-tube*

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E27	52	103	56

9 Watt 12,000 hours **500lm** Standard Pack 60 (10)



measurement based on diagonal diameter



SU111 *SU-tube*

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E27	52	117	63

11 Watt 12,000 hours **700lm** Standard Pack 60 (10)



Similar size as incandescent bulb



SU115 *SU-tube*

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E27	52	135	70

15 Watt 12,000 hours **950lm** Standard Pack 60 (10)



TUBULAR

ENERGY SAVING LAMPS



3U120 3U-tube

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	49	132	91

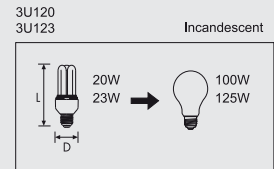
20 Watt 8,000 hours **1151**lm Standard Pack 60 (10) **B**



3U123 3U-tube

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	49	144	100

23 Watt 8,000 hours **1280**lm Standard Pack 60 (10) **B**



measurement based on diagonal diameter



Similar size as incandescent bulb

GLOBE

ENERGY SAVING LAMPS

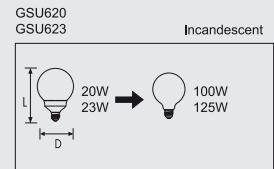
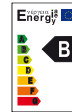


GSU620

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	120	175	218

20 Watt 10,000 hours **1000lm** Standard Pack 24 (6)

Remarks: Opal glass cover



Similar size as incandescent globe



GSU623

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	120	175	218

23 Watt 10,000 hours **1300lm** Standard Pack 24 (6)

Remarks: Opal glass cover



SOFTLIGHT

ENERGY SAVING LAMPS



CT0107 T45

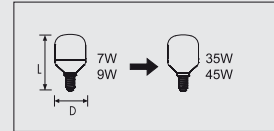


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	73	43
E14	45	75	40

7 Watt 10,000 hours **220lm** Standard Pack 60 (10)



CT0107
CT0109 Incandescent

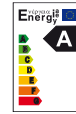


CT0109 T45

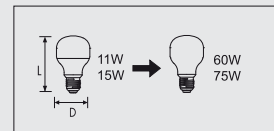


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	45	80	49
E14	45	82	49

9 Watt 10,000 hours **360lm** Standard Pack 60 (10)



CT0311
CT0315 Incandescent



CT0311 T60



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	103	79

11 Watt 10,000 hours **450lm** Standard Pack 60 (10)



CT0315 T60



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	60	103	79

15 Watt 10,000 hours **700lm** Standard Pack 60 (10)



JUMBO LAMP

ENERGY SAVING LAMPS

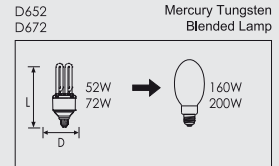


D652

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E27	89	208	480

52 Watt † 30,000 hours 3460lm Standard Pack 60 (1)

Operating Temperature: -10°C to 60°C



Industry Standards	Europe
Safety	EN60598 EN60968 EN61347-2-3
Immunity	EN61547
Performance	EN60969
Radio Interference	EN55015
Line Current Harmonics	EN61000-3-2

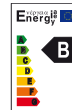


D672

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
E27	89	218	487

72 Watt † 30,000 hours 4800lm Standard Pack 60 (1)

Operating Temperature: -10°C to 60°C



Comes complete with 4 PLUG-IN TUBES and Electronic ballast



Plug-in Tube for D652

13W G24q1



Plug-in Tube for D672

18W G24q2

Product Features

- Replaces 160 Watt (for D652) or 200 Watt (for D672) Mercury Tungsten Blended Lamps.
- Permits replacement of lamp tubes with the adapter system.
- Operation continues upon failure of one or two lamp tubes.
- Applicable in both enclosed and open fixtures.
- Offers 30,000 hours service life with integrated ballast.



† Driven by integrated electronic ballast with an operating life of 30,000 hrs.

4 x 13W G24q1 for D652 /
4 x 18W G24q2 for D672



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time





CLUSTERLITE® with Integrated Ballast

ENERGY SAVING LAMPS



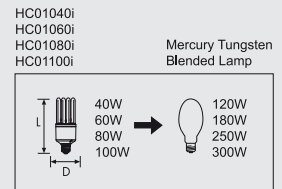
HC01040i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	166	257

40 Watt 15000 hours **2680lm** Standard Pack 12 (1)

Operating Temperature: -25°C to +60°C



HC01060i



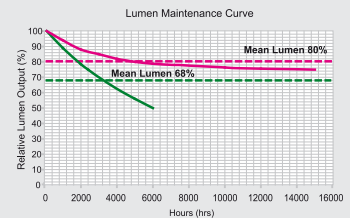
Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	188	315

60 Watt 15,000 hours **4000lm** Standard Pack 12 (1)

Operating Temperature: -40°C to +60°C



Lumen Maintenance Curve Comparison:
CLUSTERLITE® Vs. Mercury Tungsten Blended Lamp



180W Mercury Tungsten Blended Lamp

- Lumen
- - - Mean Lumen Over Life

60W CLUSTERLITE® with integrated ballast

- Lumen
- - - Mean Lumen Over Life



HC01080i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	80	224	553
E40	80	256	563

80 Watt 15,000 hours **5400lm** Standard Pack 12 (1)

Operating Temperature: -40°C to +60°C



HC01100i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	80	267	578
E40	80	279	588

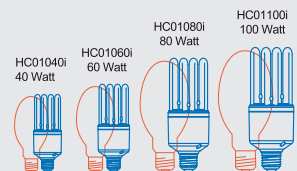
100 Watt 15,000 hours **6700lm** Standard Pack 12 (1)

Operating Temperature: -40°C to +60°C



Size comparison

CLUSTERLITE® Vs. Mercury Tungsten Blended Lamps



CLUSTERLITE®
 Mercury Tungsten Blended Lamps



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



PLUG-IN TUBE

ENERGY SAVING LAMPS



T1G2307 U-Tube

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
G23	32	133	30

7 Watt 8,000 hours **410lm** Standard Pack 120 (10)

Operating Temperature: -10°C to +40°C



2 Pin Type
For Magnetic Ballast



measurement based on diagonal diameter



T1G2309 U-Tube

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
G23	32	163	32

9 Watt 8,000 hours **565lm** Standard Pack 120 (10)

Operating Temperature: -10°C to +40°C



T1G2311 U-Tube

Lamp Base	Diagonal (mm)	Length (mm)	Weight (g)
G23	32	233	44

11 Watt 8,000 hours **900lm** Standard Pack 120 (10)

Operating Temperature: -10°C to +40°C



KEPPA

Outdoor Lighting



F00601SM

IP65

Recommended Lamp



HC01060i
E27 / 60W

Materials & Finish

Body

- Material : Polycarbonate (PC) plastic
- Glow wire protect : 670°C

Reflector

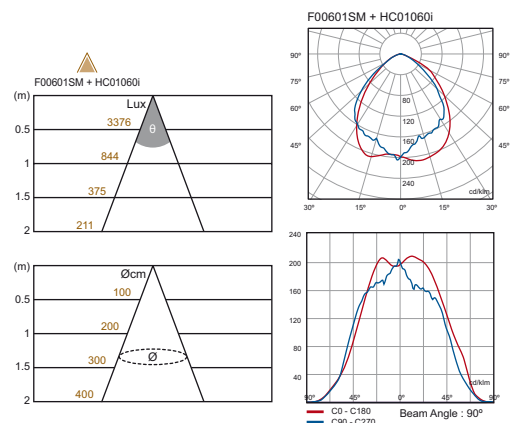
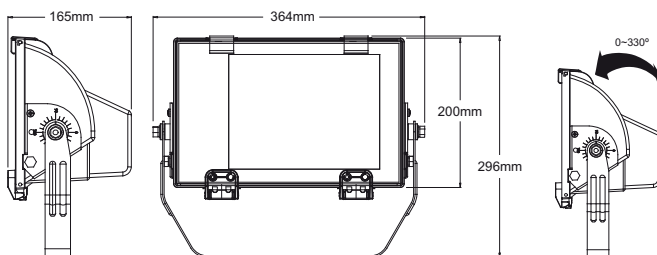
- Material : Aluminium
- Finish :

Glass

- Material : Tempered Glass
- Finish : Transparent

Features:

- For outdoor use with adjustable body for directional lighting
- Delivers powerful illumination with 60W CLUSTERLITE®
- Offers 15,000 hours service life with built-in electronic ballast in lamps
- Offers powerful and uniform floodlight illumination
- Built with extra light-weight and durable PC material
- With IP65 protection



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time

PALMLITE

Indoor Lighting



L0501CB



Recommended Lamp



GX0107iF
GX53 / 7W

GX0109iF
GX53 / 9W

GX0113iF
GX53 / 13W

White
(WH11)

Nickel
(NI51)

Available in the following colours

Materials & Finish

Body

- Material : Plastic
- Glow wire protect : 670°C

Cable

- Type : H03VVH2-F 2 x 0.75mm²
- Length : 0.5m

Installation Methods

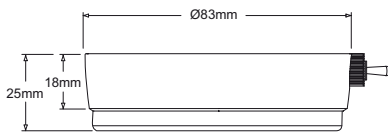
- Surface-mount

Applications

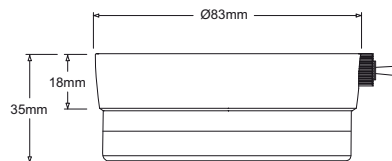
- Cabinets
- Shelves
- Workstations
- Showcase Displays

Body Colours and Finishing

- White (WH11)
- Nickel (NI51)



F00718SM / F00818SM
+ GX0107iF
GX0109iF



F00718SM / F00818SM
+ GX0113iF



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time

PLANEX

Indoor Lighting



L0504RC



F01018RC



Recommended Lamp



Materials & Finish

Body

- Material : Plastic
- Glow wire protect : 670°C

Cable

- Type : H03VVH2-F 2 x 0.75mm²
- Length : 0.5m

Installation Methods

- Recessed

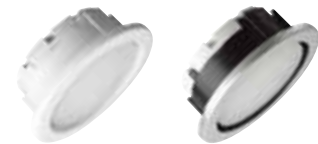
Applications

- Workstations
- Study Rooms
- Light Boxes
- Display Shelves
- Exhibition Booth

Colours and Finishing

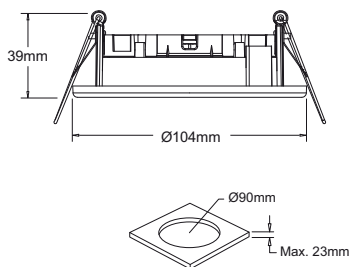
- White (WH11)
- Silver (SV22)

Available in the following colours

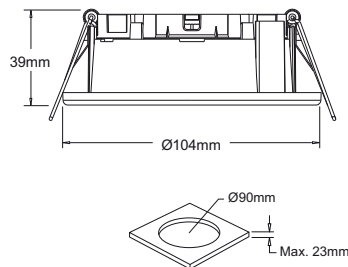


White (WH11)

Silver (SV22)



L0504RC



F01018RC



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time

MEGAMAN[®]
Energy Saving Lamps

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