

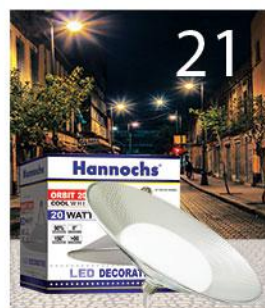
# Hannochs®



PRODUCT CATALOGUE

# 2018





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WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
3W	270	92	55
5W	470	92	55
7W	600	99	55
9W	806	110	60
11W	1000	110	60
13W	1200	117	60
15W	1400	120	60

SPESIFICATIONS	
Lifetime	10'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	70
Beam Angle	200°
Power Factor	>0.5
Product Material	Thermal Plastic + PC

- Save energy up to 90%.
- Frosted cover, impact resistant.
- Save maintenance costs.
- Color Temp. : Cool Daylight = 6500K

# BASIC



WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
3W	280	85	45
5W	430	111	60
7W	630	111	60
9W	810	111	60
11W	1100	111	60
13W	1350	111	60

SPECIFICATIONS	
Lifetime	10'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	240°
Power Factor	>0.5
Product Material	AL + PC + PBT

- Save energy up to 90%.
- Frosted Cover, impact resistant.
- Save maintenance costs.
- Made of PBT (Polybutylene terephthalate) heat resistant up to 150°C.
- Color Temp. : Cool Daylight = 6500K

### PREMIER



WATT	LUMEN (CDL / WW)	HEIGHT (mm)	DIAMETER (mm)
3W	281 / 270	91	50
5W	480 / 450	112	60
7W	680 / 650	111	60
9W	920 / 820	111	60
12W	1165 / 1050	123	65
16W	1600 / 1550	155	80

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	240°
Power Factor	>0.5
Product Material	AL + PC + PBT

- Save energy up to 90%.
- Frosted Cover, impact resistant.
- Save maintenance costs.
- The lights turn on a maximum
- Environmentally Friendly, No Mercury / No Radiation.
- Made of PBT (Polybutylene terephthalate) heat resistant up to 150°C.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K

GRAND PREMIER



WATT	LUMEN (CDL / WW)	HEIGHT (mm)	DIAMETER (mm)
20W	2000 / 1850	143	67
22W	2450 / 2450	143	67

### SPECIFICATIONS

Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	>80
Beam Angle	200°
Power Factor	>0.5
Product Material	Thermal Plastic + PC

- LED Light large watt with The compact dimensions produce maximum light > 100 Lumen / Watt.
- Can operate within 170-240V
- LED lights are designed for usage in at least 3.5 inch downlights.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K





**PREMIER BIG**

WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
23W	2700	187	95
28W	3300	203	110

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	240°
Power Factor	≥0.9
Product Material	AL + PC + PBT

- Save energy up to 90%.
- Frosted Cover, Impact resistant.
- Save maintenance costs.
- Made of PBT (Polybutylene terephthalate) heat resistant up to 150°C.
- Color Temp. : Cool Daylight = 6500K





**PREMIER JUMBO**

WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
28W	2750	190	100
35W	3500	197	110
45W	4400	233	129

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	240°
Power Factor	>0.9
Product Material	AL + PC + PBT

- Save energi up to 90%.
- Can operate within 100-240V.
- Frosted Cover, Impact resistant.
- Save maintenance costs.
- Made of PBT (Polybutylene terephthalate), heat resistant up to 150°C.
- Color Temp. : Cool Daylight = 6500K

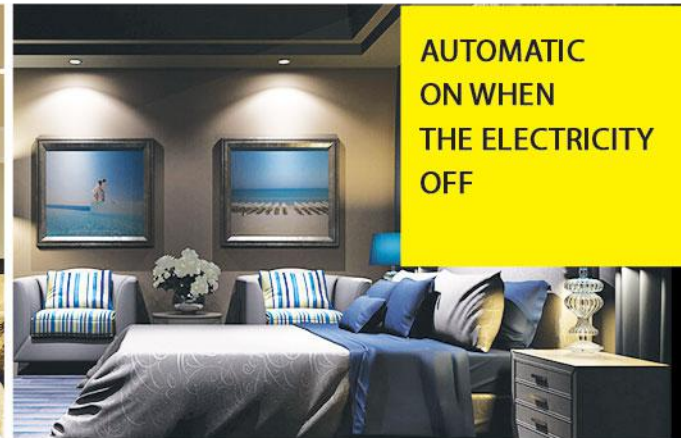




**GENIUS**

**AUTOMATIC  
ON WHEN  
THE ELECTRICITY  
OFF**

**LIGHT UP WITH  
THE TOUCH OF  
A FINGER**

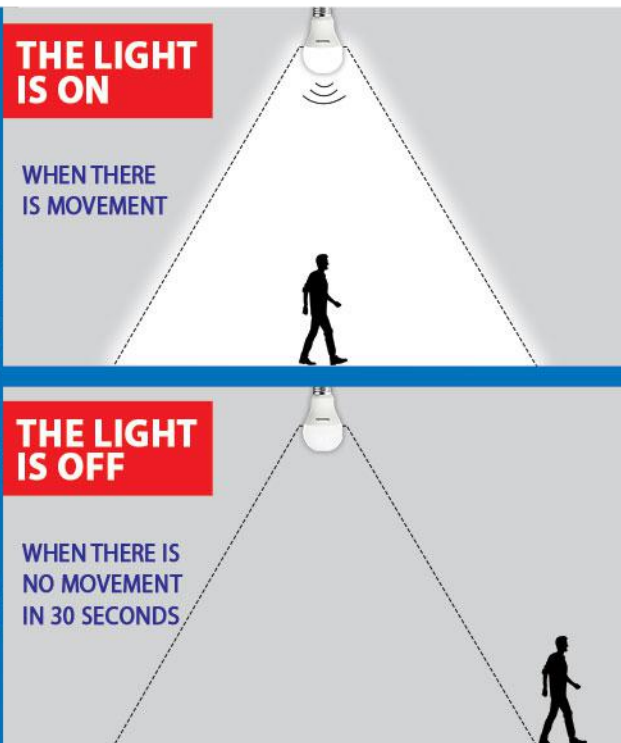


WATT	LUMEN	BATTERY LITHIUM	LIGHTING HOURS	HEIGHT (mm)	DIAMETER (mm)
6W	580	2000 mAh	5 hours	123	60
8W	650	2000 mAh	5 hours	123	60
10W	920	2200 mAh	3 hours	143	70
12W	1150	2500 mAh	2.5 hours	154	80
15W	1270	2x 2200 mAh	4 hours	176	90

### SPECIFICATIONS

Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
Battery Type	Lithium
CRI*	>80
Beam Angle	180°
Power Factor	>0.9
Product Material	PBT + PC

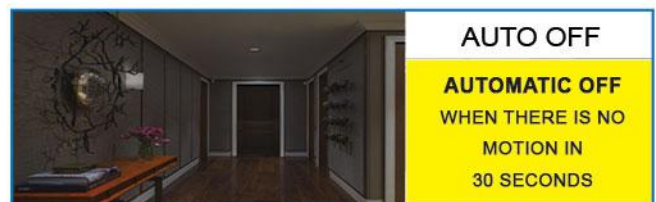
- New Innovation Two Function AC/DC LED Bulb. Could be used as Ordinary Lighting and Emergency Lighting, remain bright when electricity off.
- Can be charger and equipped with overcharger and overdischarger protection feature.
- No IR & UV radiation.
- Low heat radiation.
- Color Temp. : Cool Daylight = 6500K



WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
5W	435	112	60
9W	910	112	60
13W	1330	112	60

SPECIFICATIONS	
Lifetime	10'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	≥80
Beam Angle	240°
Power Factor	≥0.5
Product Material	PBT + AL + PC
Sensor Range	Radius 5-8m

- LED Light with built-in *Motion Sensor*.
- Securing your home, when the lamp automatic on then will outwit thieves at your home.
- Practical, no need to ON / OFF the switch.
- Can save your electricity costs.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Cool Daylight = 6500K



### LIGHT SENSOR



### AUTO OFF

AUTOMATIC  
OFF WHEN  
BRIGHT  
CONDITION



### AUTO ON

AUTOMATIC  
ON WHEN  
DARK  
CONDITION



WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
6W	470	110	60
9W	806	120	60

### SPECIFICATIONS

Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	>80
Beam Angle	200°
Power Factor	>0.5
Product Material	Thermal Plastic + PC

- LED Light with built-in sensitive sun Light Sensor (photocell).
- The lights automatically turn on when dark and turn off when bright. Practical, no need to ON / OF the switch lights every morning & night, make save your electricity costs.
- No IR & UV radiation, low heat radiation.
- Can operate within 170-240V
- Color Temp. : Cool Daylight = 6500K



**ANTI MOSQUITO**



1st CLICK : FOR A LIGHTING



2nd CLICK : EFFECTIVE TO REPEL MOSQUITO

WATT	LUMEN (CDL)	HEIGHT (mm)	DIAMETER (mm)
9W	806	120	60

### SPECIFICATIONS

Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	200°
Power Factor	>0.5
Effective Area	15 m <sup>2</sup>
Product Material	Thermal Plastic + PC

- The 6W Mosquito repellent light produces a yellowish light with a wavelength of 530-590 nm which is not preferred by mosquitoes.
- The eyes of the mosquitoes are very sensitive to the yellowish light so that the mosquito will avoid the room or hide.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Cool Daylight = 6500K

Only 1st CLICK for CHANGE THE FUNCTION OF THE LAMP

1<sup>ST</sup> CLICK



White Light : for a **ACTIVITY**

2<sup>ND</sup> CLICK



Yellow Light : **EFFECTIVE TO REPEL MOSQUITO**

Click & Dim



1<sup>st</sup> CLICK  
11 WATT



2<sup>nd</sup> CLICK  
5 WATT



3<sup>rd</sup> CLICK  
1.5 WATT



POWER SAVING

WATT	LUMEN (CDL)			HEIGHT (mm)	DIAMETER (mm)
11W	11W ( 1180 )	5W ( 517 )	1.5W ( 195 )	123	65

### SPECIFICATIONS

Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	240°
Power factor	>0.5
Product Material	AL+PC+PBT

- Innovative LED Bulb, 1 bulb with 3 brightness, Efficient and power saving.
- Only 1 click to switch from 100% > 40% > 15%, adjust to your need.
- No IR & UV radiation.
- Low heat radiation.
- Color Temp. : Cool Daylight = 6500K

### TRICOLOUR



#### 1<sup>st</sup> CLICK COOL DAYLIGHT



#### 2<sup>nd</sup> CLICK WARM WHITE



#### 3<sup>rd</sup> CLICK COMFORT



WATT	LUMEN (CDL / WW / CF)	HEIGHT (mm)	DIAMETER LAMP HEAD (mm)
10W	1100 / 1000 / 1100	118	65
14W	1452 / 1323 / 1417	125	70

Lamp colour change by SINGLE CLICK:



Focus: studying, working, drawing



Relax: dinner, party



Comfortable: watch tv, playing, cooking

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	120°
Power Factor	>0.5
Product Material	AL + PC + PBT

- To change color, simply turn off and back on again in less than 6 seconds.  
(Light color will turn back to Cool Daylight if it let off for more than 6 seconds).
- No IR & UV radiation.
- Low heat radiation.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K  
Comfort = 4000K



WATT	LUMEN (WW)	HEIGHT (mm)	DIAMETER (mm)
5W	540	112	60
8W	1040	112	60

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	>80
Beam Angle	360°
Power Factor	>0.5
Product Material	AL + GLASS

- LED lights with classic heritage incandescent lamps for your room decor.
- Combines classic shape of incandescent lamp with LED technology that save energy and durable.
- Can operate within 170-240V.
- No IR & UV radiation.
- Color Temp. : Warm White = 2700K





**CLASSIC GLOBE**

WATT	LUMEN (WW)	HEIGHT (mm)	DIAMETER (mm)
4W	380	120	80
6W	640	120	80
8W	845	120	80

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	>80
Beam Angle	360°
Power Factor	≥0.4
Product Material	GLASS

- LED lights with classic heritage incandescent lamps for your room decor.
- Combines classic shape of incandescent lamp with LED technology that save energy and durable.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Warm White = 2200K







**CLASSIC VINTAGE**

WATT	LUMEN (WW)	HEIGHT (mm)	DIAMETER (mm)
4W	380	146	64
6W	640	146	64
8W	845	146	64

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	220-240V / 50-60Hz
CRI*	>80
Beam Angle	360°
Power Factor	≥0.4
Product Material	AL + GLASS

- LED lights with classic heritage incandescent lamps for your room decor.
- Combines classic shape of incandescent lamp with LED technology that save energy and durable.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Warm White = 2200K





TYPE	WATT	LUMEN (WW)	HEIGHT (mm)	DIAMETER (mm)
CANDLE 01	3W	260	120	35
	5W	500	120	35
CANDLE 02 <b>DIMMABLE</b>	4W	260	100	38
	6W	470	100	38

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E14
CRI*	>80
Beam Angle	360°
Power Factor	>0.5

- LED Lights with classic heritage design of Incandescent Candle lamps for your room decor.
- Combines classic shape of Incandescent Candle with LED technology that save energy and durable.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Warm White = 3000K
- Product Material : CANDLE 01 = AL + GLASS  
CANDLE 02 = AL + PC
- Lamp Voltage : CANDLE 01 = 100-240V (50/60Hz)  
CANDLE 02 = 220-240V (50/60Hz)



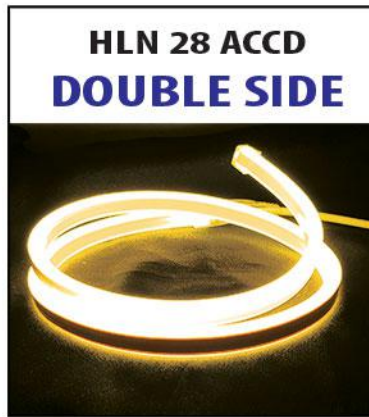
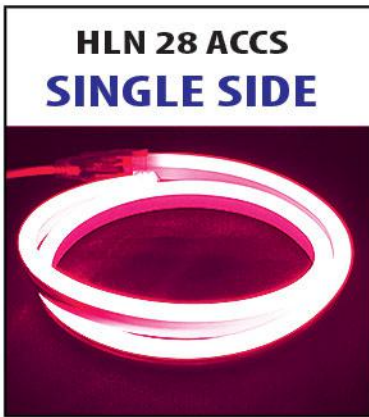
TYPE	WATT	LUMEN (CDL)	FITTING	PRODUCT DIMENSION
NEON T8 9W	9W	800	G13	Φ28 mm x 604 mm
NEON T8 18W	18W	1600	G13	Φ28 mm x 1213 mm

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	G13
Lamp Voltage	100-240V / 50-60Hz
CRI*	≥70
Beam Angle	150°
Power Factor	≥0.5
Product Material	GLASS + PLASTIC

- Save energy 50% more compared to the regular fluorescent bulb.
- Save maintenance costs.
- Instant ON without blinking.
- Environmentally friendly. No mercury and other harmful substances.
- No starter and ballast needed.
- Ultraviolet and infrared radiation FREE.
- More efficient light distribution because of 150° beam angle compared to the regular fluorescent light with 360° beam angle.
- Color Temp. : Cool Daylight = 6500K



**WATERPROOF**









Voltage	AC 220V
LED Type	SMD 2835
Qty LED / m	120 LED / m
Watt / m	≤ 8W / m
PCB size	6 mm
Wire Material	Copper
Length	50m / Roll
Color	CDL / WW / B / R / G / Y / P
IP	68



Voltage	AC 220V
LED Type	SMD 5050
Qty LED / m	80 LED / m
Watt / m	≤ 11W / m
PCB size	10 mm
Wire Material	Copper
Length	50m / Roll
Color	RGB
IP	65



AC	VOLTAGE	LED TYPE	QTY LED (/ METER)	WATT (/ METER)	PCB SIZE	WIRE MATERIAL	LENGTH (/ ROLL)	COLOR	IP
<b>HLS 28 ACD</b> 	AC 220V	SMD 2835	60 LED	≤ 5W	5 mm	Copper	100 m	Cool Daylight, Warm White, Blue, Red, Green	65
<b>HLS 50 ACD</b> 		SMD 5050		≤ 8W	8 mm				
<b>HLS 50 ACD - RGB</b> 		≤ 10W		10 mm	50 m		RGB		
<b>HLS 28 ACC FLOWER</b> 	AC 220V	SMD 2835	120 LED	≤ 5.5W	14 mm	Copper	100 m	Flower Effect, Warm White, Blue, Red, Green	65

DC	VOLTAGE	LED TYPE	QTY LED (/ METER)	WATT (/ METER)	LENGTH (/ ROLL)	COLOR	IP
<b>HLS 28W DCC</b> 	DC 12V	SMD 2835	60 LED	≤ 3.5W	5 m	Cool Daylight, Warm White, Blue, Red, Green	44
<b>HLS 50W DCC</b> 		SMD 5050		≤ 12W			



WATT	LUMEN (CDL / WW)	HEIGHT (mm)	DIAMETER (mm)	DIAMETER (inch)
15W	1200 / 1100	96	120	4.7
20W	1587 / 1350	104	155	6.1
30W	2114 / 2050	115	190	7.5

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	180°
Power Factor	>0.9
Product Material	AL(fe) + PC

- LED Decorative with an elegant shape to embellish your room decor.
- Save energy up to 90%.
- Housing of aluminium material.
- Frosted Cover (impact resistant).
- Maximum lighting when turn on.
- Suitable for use at home, shop, boutique, restaurant, hotel, office, mall, etc.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K





WATT	LUMEN (CDL / WW)	HEIGHT (mm)	DIAMETER (mm)	DIAMETER (inch)
20W	1645 / 1550	120	210	8"
30W	2240 / 2140	136	280	11"
40W	3171 / 3050	154	330	13"
60W	4800 / 4300	150	334	13"

SPECIFICATIONS	
Lifetime	15'000 Hours
Cap / Fitting	E27
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	120°
Power factor	>0.9
Product Material	AL + PC

- LED Decorative with an elegant shape to embellish your room decor.
- Save energy up to 90%.
- Housing of aluminium material.
- Frosted Cover (impact resistant).
- IP 52.
- LED Decorative Waterproof for indoor and outdoor use.
- Suitable for use at home, shop, market, cafe, boutique, supermarket, warehouse, factory, workshop, sport centre, hall, parking lot, etc.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K

### HLD FRA



### VISION

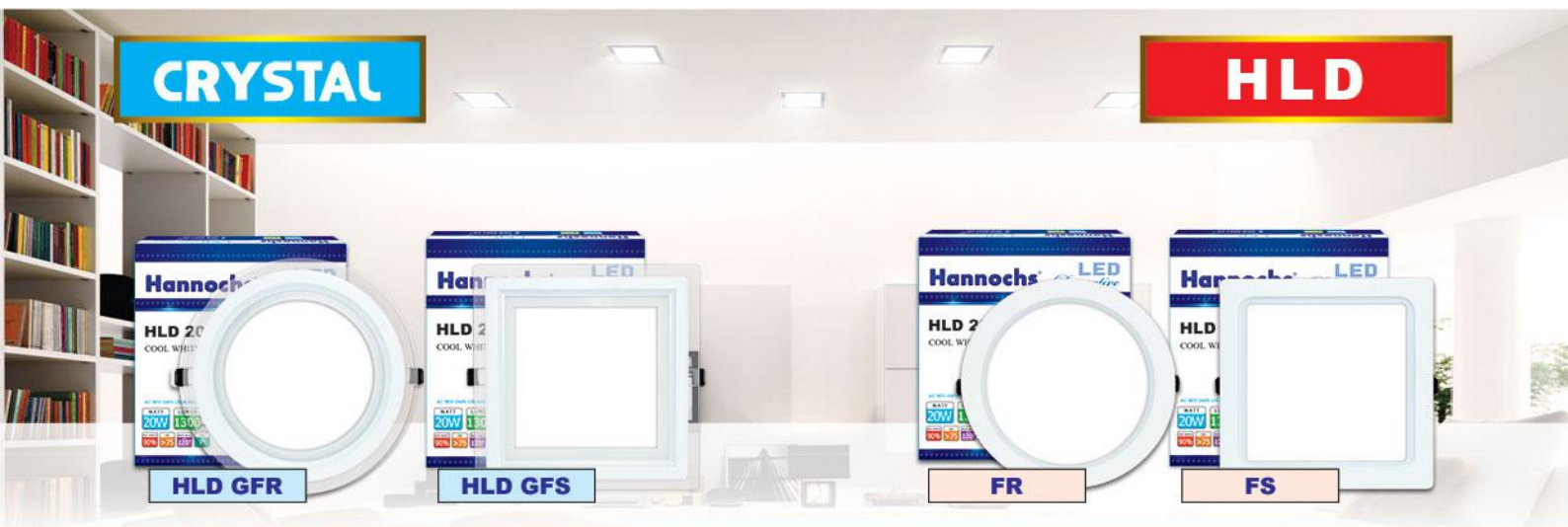


HLD FRA	WATT	LUMEN	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
HLD 3 FRA	3W	240	Φ 85 x 41 mm	Φ 74 mm	2.5"
HLD 5 FRA	5W	400	Φ109 x 41 mm	Φ 95 mm	3.5"
HLD 7 FRA	7W	560	Φ108 x 45 mm	Φ 90 mm	3.5"

VISION	WATT	LUMEN	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
HLG 4 HR	4W	240	100 x 100 x 32 mm	85 x 85 mm	3.5"
HLG 9 HR	9W	540	150 x 150 x 32 mm	130 x 130 mm	5"
HLG 16 HR	16W	960	180 x 180 x 32 mm	160 x 160 mm	6"
HLG 25 HR	25W	1.850	216 x 216 x 32 mm	195 x 195 mm	7.5"

- Save energy up to 90%.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K
- Shape: HLD FRA = Round, HLG HR = Half Round.
- Cover Type: HLG HR = CLEAR ; HLD FRA = FROSTED.
- Ring Color: HLD FRA = Silver, HLG HR = White.



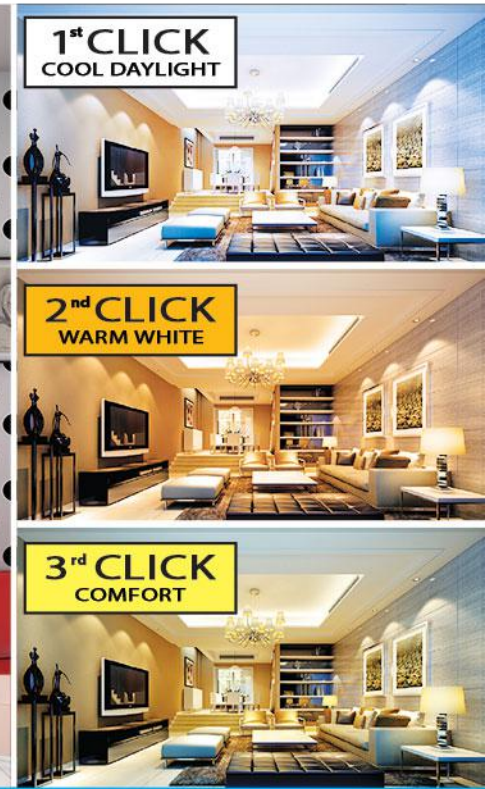


CRYSTAL	WATT	LUMEN	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
HLD 501 GFR	5W	325	Φ 100 x 40 mm	Φ 75 mm	2.5"
HLD 1201 GFR	12W	780	Φ 160 x 40 mm	Φ 125 mm	4"
HLD 2001 GFR	20W	1300	Φ 200 x 40 mm	Φ 170 mm	6"
HLD 501 GFS	5W	325	95 x 95 x 40 mm	75 x 75 mm	2.5"
HLD 1201 GFS	12W	780	160 x 160 x 40 mm	125 x 125 mm	4"
HLD 2001 GFS	20W	1300	200 x 200 x 40 mm	160 x 160 mm	6"

HLD	WATT	LUMEN	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
HLD 501 FR	5W	325	Φ 105 x 40 mm	Φ 95 mm	3.5"
HLD 1201 FR	12W	780	Φ 150 x 40 mm	Φ 135 mm	5"
HLD 2001 FR	20W	1300	Φ 200 x 40 mm	Φ 185 mm	7"
HLD 501 FS	5W	325	105 x 105 x 40 mm	95 x 95 mm	3.5"
HLD 1201 FS	12W	780	150 x 150 x 40 mm	135 x 135 mm	5"
HLD 2001 FS	20W	1300	200 x 200 x 40 mm	185 x 185 mm	7"

- Save energy up to 90%.
- Can operate within 100-240V.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K

- Shape: GFR & FR = Round, GFS & FS = Square.
- Cover Type: GFR & GFS = Glass Frosted, FR & FS = Frosted.
- Ring Color: White.



CRYSTAL TRICOLOUR	WATT	LUMEN (CDL / WW / CF)	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
HLD 502 GFR	5W	400 / 380 / 420	Φ 100 x 40 mm	Φ 75 mm	2.5"
HLD 1202 GFR	12W	1050 / 980 / 1100	Φ 160 x 40 mm	Φ 125 mm	4"
HLD 2002 GFR	20W	1750 / 1600 / 1800	Φ 200 x 40 mm	Φ 170 mm	6"
HLD 502 GFS	5W	400 / 380 / 420	100 x 100 x 40 mm	75 x 75 mm	2.5"
HLD 1202 GFS	12W	1050 / 980 / 1100	160 x 160 x 40 mm	125 125 mm	4"
HLD 2002 GFS	20W	1750 / 1600 / 1800	200 x 200 x 40 mm	160 x 160 mm	6"

SPECIFICATIONS	
Lifetime	15'000 Hours
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	120°
Power Factor	>0.9
Product Material	AL+PC+GLASS
Cover Type	Glass Frosted

<b>1ST CLICK</b>	<b>COOL DAYLIGHT</b>	Focus: studying, working, drawing.
<b>2ND CLICK</b>	<b>WARM WHITE</b>	Relax: dinner, party.
<b>3RD CLICK</b>	<b>COMFORT</b>	Comfortable: watch TV, playing, cooking.

- No IR & UV radiation.
- Low heat radiation.
- Shape: GFR = Round ; GFS = Square.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K  
Comfort = 4000K



CRYSTAL MAGIC	WATT	LUMEN (CDL)	BATTERY	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
5W GFS	5W	AC: 435 DC: 258	2000 mAh	98 x 98 x 30 mm	85 x 85 mm	2.5"
12W GFS	12W	AC: 1066 DC: 625	2x 2200 mAh	160 x 160 x 31 mm	130 x 130 mm	4"

SPECIFICATIONS	
Lifetime	15'000 Hours
Battery Type	Lithium
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	120°
Power Factor	>0.9
Product Material	AL+PC+GLASS
Cover Type	Glass Frosted

- New Innovation with two function AC / DC, could be used as ordinary lighting and emergency lighting, remain bright when electricity off.
- Elegant and luxurious lamp models.
- No IR & UV radiation, low heat radiation.
- Equipped with overcharger and overdischarger protection feature.
- Long Life: Hold up to 3 hours.
- Color Temp. : Cool Daylight = 6500K





HARMONI	WATT	LUMEN	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
5W FR	5W	480	Φ 98 X 41 mm	Φ 80 mm	2.5"
8W FR	8W	760	Φ 108 x 41 mm	Φ 90 mm	3"
15W FR	15W	1560	Φ 133 x 41 mm	Φ 115 mm	4"
20W FR	20W	1980	Φ 176 x 41 mm	Φ 156 mm	6"

SPECIFICATIONS	
Lifetime	15'000 Hours
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	140°
Power Factor	>0.5
Product Material	PBT + PC
Cover Type	Frosted

- Lightweight and elegant lamp models.
- Easy installation, can directly replace E27 lamp downlight because of the same cutting hole size.
- Easy to install with integrated driver (ballast).
- Shape: FR = Round.
- Ring Color: White.
- Suitable for use at home, shops, boutiques, shopping mall, restaurant, etc.
- Color Temp. : Cool Daylight = 6500K



### AXIS



AXIS	WATT	LUMEN (CDL / WW)	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
4W FR	4W	250 / 230	Φ 90 x 56 mm	Φ 68 mm	2.5"
6W FR	6W	450 / 420	Φ 90 x 56 mm	Φ 68 mm	2.5"
4W FS	4W	250 / 230	90 x 90 x 56 mm	Φ 68 mm	2.5"
6W FS	6W	450 / 420	90 x 90 x 56 mm	Φ 68 mm	2.5"

#### SPECIFICATIONS

Lifetime	20'000 Hours
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	36°
Power Factor	>0.4
Product Material	PBT + PC
Cover Type	Clear

- Lightweight and elegant lamp models.
- Easy to install with integrated driver (ballast).  
The direction of the light beam can be adjustable up to angle of 25°.
- Shape: FR = Round ; FS = Square
- Ring Color: White.
- Suitable for use at home, shops, boutiques, shopping mall, restaurant, etc.
- No IR & UV radiation, low heat radiation.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K





**AURORA**

TYPE	WATT	LUMEN (CDL / WW)	PRODUCT DIMENSION	CUTTING HOLE	EQUAL TO DOWNLIGHT
3W-3 FR	3W + 3W	200 / 180	Φ 105 mm	Φ 65 mm	2.5"
6W-3 FR	6W + 3W	400 / 360	Φ 144 mm	Φ 102 mm	3.5"
12W-5 FR	12W + 5W	840 / 750	Φ 194 mm	Φ 152 mm	6"
20W-8 FR	20W + 8W	1260 / 1100	Φ 242 mm	Φ 200 mm	8"
3W-3 FS	3W + 3W	200 / 180	105 x 105 mm	65 x 65 mm	2.5"
6W-3 FS	6W + 3W	400 / 360	144 x 144 mm	102 x 102 mm	3.5"
12W-5 FS	12W + 5W	840 / 750	194 x 194 mm	152 x 152 mm	6"
20W-8 FS	20W + 8W	1260 / 1100	242 x 242 mm	200 x 200 mm	8"

SPECIFICATIONS	
Lifetime	15'000 Hours
Lamp Voltage	100-240V / 50-60Hz
CRI*	>80
Beam Angle	120°
Power Factor	0.5
Product Material	AL + STEEL
Cover Type	Frosted
Color Temp.	Cool Daylight = 6500K Warm White = 3000K

1 <sup>ST</sup> CLICK	OUTER RING ON	
2 <sup>ND</sup> CLICK	INNER RING ON	
3 <sup>RD</sup> CLICK	OUTER & INNER RING ON	

- No IR & UV radiation.
- Low heat radiation.
- Shape: FR = Round ; FS = Square
- Ring Color: White
- Choice of available light colors (Inner Ring / Outer Ring):





DOME	WATT	LUMEN (CDL / WW)	PRODUCT DIMENSION
HLC 601 FR	6W	480 / 420	Φ 120 x 38 mm
HLC 1201 FR	12W	960 / 840	Φ 170 x 38 mm
HLC 1801 FR	18W	1440 / 1260	Φ 219 x 38 mm
HLC 2501 FR	25W	2000 / 1750	Φ 300 x 38 mm
HLC 601 FS	6W	480 / 420	120 x 120 x 38 mm
HLC 1201 FS	12W	960 / 840	170 x 170 x 38 mm
HLC 1801 FS	18W	1440 / 1260	219 x 219 x 38 mm
HLC 2501 FS	25W	2000 / 1750	300 x 300 x 38 mm

- Save energy up to 90%.
- Can operate within 100-240V.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K

- Shape: FR = Round, FS = Square.
- Cover Type: Frosted.
- Ring Color: White.



WATT	LUMEN (CDL/WW)	HEIGHT (mm)	DIAMETER (mm)	HALOGEN SPOTLIGHT REPLACEMENT
6W	580 / 540	84	63	60W
10W	1000 / 950	90	95	100W
14W	1400 / 1300	136	121	140 W

SPECIFICATIONS	
Lifetime	30'000 Hours
Lamp Voltage	100-240V / 50-60Hz
Cap / Fitting	E27
CRI*	>80
Beam Angle	25°
Power Factor	>0.7
Product Material	AL + PBT + PC

- Save energy up to 90%.
- Very good color rendering > 80.
- No UV (Ultraviolet) and IR (Infrared) radiation, low heat radiation
- Suitable for stage, theater, garden, gallery, boutique, shop, restaurant, mall, etc.
- IP = IP65
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K







WATT	LUMEN	HEIGHT (mm)	DIAMETER (mm)	HALOGEN SPOTLIGHT REPLACEMENT
3W	230	57	50	20W
5W	400	57	50	50W

SPECIFICATIONS	
Lifetime	15'000 Hours
Lamp Voltage	100-240V / 50-60Hz
Cap / Fitting	GU10
CRI*	>80
Beam Angle	45°
Power Factor	>0.5
Product Material	AL + PBT + PC

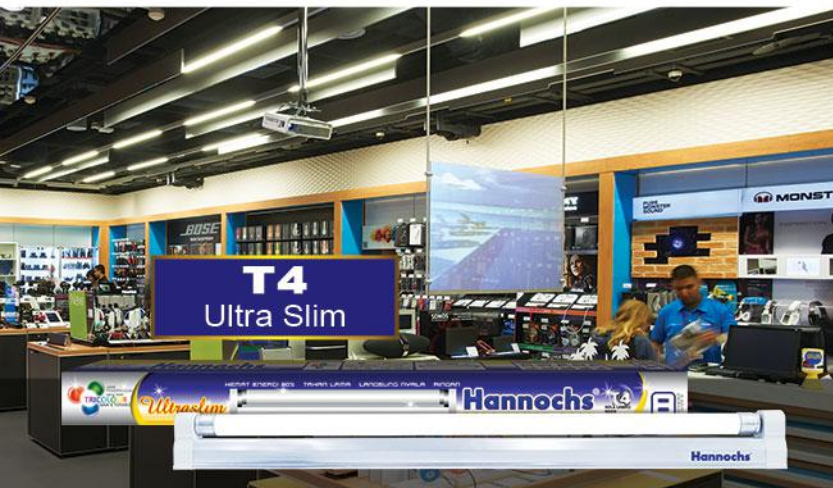
- Save energy up to 90%.
- Using maintenance-free GU10 fitting & safe to use on 100-240V.
- Compatible with 2.5" downlight.
- Suitable for home, shops, boutique, restaurant, hotel, office, mall, dll.
- Color Temp. : Warm White = 3000K





- Lifetime = 8'000 Hours
- Can operate within 170-250V

TYPE	WATT	LUMEN	COLOR	HEIGHT	DIAMETER LAMP HEAD
2U	5W MINI (E14)	275	WW	107 mm	37 mm
	8W MINI (E14)	440	WW	131 mm	40 mm
	5W	275	CDL, WW	111 mm	42 mm
	8W	440	CDL, WW	130 mm	42 mm
	11W	605	CDL, WW	152 mm	42 mm
	14W	770	CDL, WW	159 mm	42 mm
3U	18W	1080	CDL, WW	163 mm	50 mm
	23W	1380	CDL, WW	170 mm	50 mm
	26W	1560	CDL, WW	177 mm	50 mm
4U	36W	2100	CDL	183 mm	62 mm
	45W	2700	CDL, WW	231 mm	75 mm
	62W	3720	CDL	261 mm	75 mm
	65W	3900	CDL, WW	288 mm	80 mm
	85W	5100	CDL	329 mm	80 mm
	85W (E40)	5100	CDL	344 mm	80 mm
SPIRAL	Spiral 8W	440	CDL, WW	113 mm	44 mm
	Spiral 12W	720	CDL	119 mm	44 mm
	Spiral 16W	960	CDL	122 mm	48 mm
	Spiral 20W	1200	CDL	133 mm	48 mm
	Spiral 24W	1440	CDL, WW	138 mm	48 mm
	Spiral 26W	1560	CDL	177 mm	58 mm
	Spiral 35W	2100	CDL	164 mm	64 mm
	Spiral 45W	2700	CDL, WW	210 mm	71 mm
	Spiral 62W	3720	CDL	240 mm	71 mm
	Spiral 68W	4080	CDL	257 mm	80 mm
	Spiral 88W	5280	CDL	288 mm	80 mm
	Spiral 88W (E40)	5280	CDL	300 mm	80 mm
FULL SPIRAL	Full Spiral 12W	804	WW	113 mm	48 mm
	Full Spiral 16W	1120	WW	120 mm	48 mm



Color Choise: 

VOLTAGE : 170-240V (50/60Hz)

TYPE	WATT	LUMEN	DIMENSION (cm)	LENGTH (cm)
<b>T4</b> Ultra Slim	8W	420	34.2 x 2.25 x 3.4	31.9
	12W	660	43.5 x 2.25 x 3.4	41.5
	16W	900	49.2 x 2.25 x 3.4	46.5
	20W	1150	53.3 x 2.25 x 3.4	51.3
	24W	1500	87.1 x 2.25 x 3.4	84.7
	26W	1640	102.3 x 2.25 x 3.4	99.8
	28W	1800	117.3 x 2.25 x 3.4	114.9
<b>T5</b> Super Slim	8W	420	31.0 x 2.4 x 3.7	28.7
	14W	780	57.4 x 2.4 x 3.7	54.7
	21W	1200	87.4 x 2.4 x 3.7	85.2
	28W	1800	116.9 x 2.4 x 3.7	114.7
	35W	2200	147 x 2.4 x 3.7	146

### ACCESSORIES T4 & T5 :





Special Downlight for LED Light

TYPE	SIZE	RING COLOR	DIMENSION
DLL 4"	4"	WHITE, CHROME	Φ148 x 132 mm
DLL 5"	5"	WHITE, CHROME	Φ180 x 172 mm

- Using Fitting E27.
- Special downlight for LED light.
- Downlight frame is coated with rust resistant powder coating paint.
- Elegant & chrome-coated reflector models that are rustproof.





Available in size: 3.5", 4.0", 5.0"

### DLG DOWNLIGHT STANDARD

CHROME



WHITE



GOLD



### DLQ DOWNLIGHT SQUARE

SATIN



CHROME

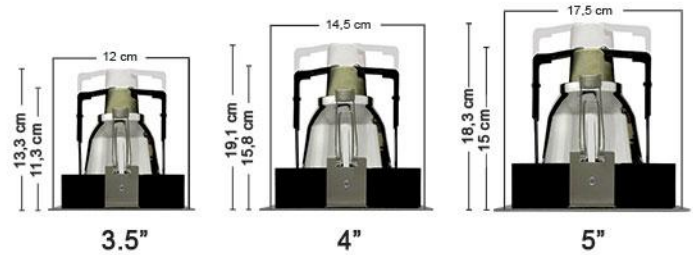


DIMENSION DESCRIPTION :



### DLQ D801

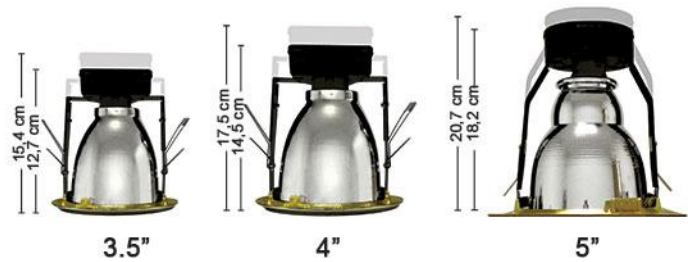
Available in size: 3.5"; 4"; 5"



- Durable.
- Easy to install.
- Adjustable angle of lighting (can be tilted and elevated).

### DLG SUPER

Available in size: 3.5"; 4"; 5"



**S30**  
available color :  
SILVER / CHROME, GOLD / CHROME



**S31**  
available color :  
SILVER / CHROME, GOLD / CHROME



**S32**  
available color :  
SILVER



**S33**  
available color :  
GOLD



**S34**  
available color :  
GOLD / SILVER



**S35**  
available color :  
BLACK / SILVER



**S36**  
available color :  
SILVER

### MINIATURE CIRCUIT BREAKER



- Limit the use of more load currents.
- Decided the electric current quickly when there electric short circuit.
- Resistant to heat when electrified.
- Protected electrical installation from damage due to load current more (overload) and electric short circuit (short circuit)

TYPE	CURRENT RATING	BREAKING CAPACITY	VOLTAGE RATING
MCBH-1P	2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A	4.5kA	230/400V~
MCBH-3P	10A, 16A, 20A, 25A, 32A, 40A	4.5kA	400V~

### BATTERY



**HEAVY DUTY**

**ALKALINE**

- Voltage: 1.5V, Product Material: Aluminium
- More powerful and durable.
- No Mercury, Cadmium, and Timbal.
- Leakproof and rust resistant.
- Provides maximum protection on your electronic device.



04-2051.2-2004



TYPE	WATT	LUMEN	PRODUCT DIMENSION (mm)
S912	30W	3150	492 x 385 x 142
S913	60W	6900	630 x 385 x 142
S914	90W	10350	705 x 385 x 142
S915	120W	13200	705 x 385 x 142

SPECIFICATIONS	
Lifetime	35'000 Hours
IP	IP65
Lamp Voltage	90-305V / 50-60Hz
CRI*	>70
Beam Angle	147° x 83° type 2 medium°
Power Factor	>0.9
Product Material	AL

- LED Streetlight use very bright SMD LED.
- Latest models with compact form with integrated LED driver.
- Can operate within 90-305V.
- Suitable for use street lighting, parking area, field, hall, sport centre, etc.
- Color Temp. : Cool Daylight = 6500K





TYPE	WATT	LUMEN	PRODUCT DIMENSION (mm)
<b>BILLBOARD 10W</b>	10W	700	160 x 128 x 57
<b>BILLBOARD 20W</b>	20W	1400	178 x 165 x 58
<b>BILLBOARD 30W</b>	30W	2100	203 x 185 x 63
<b>BILLBOARD 50W</b>	50W	3500	242 x 180 x 53
<b>BILLBOARD 80W</b>	80W	7000	272 x 210 x 55
<b>BILLBOARD 100W</b>	100W	10000	302 x 235 x 67

SPECIFICATIONS	
Lifetime	15'000 Hours
IP	IP65
Lamp Voltage	100-240V / 50-60Hz
CRI*	>70
Beam Angle	120°
Power Factor	>0.9
Product Material	AL + GLASS

- Latest model with slim shape (slim).
- Save energy up to 80% compared halogen spotlight.
- Suitable for indoor and outdoor, such as Billboard, sign board, parking area, field, hall, sport centre, etc.
- Color Temp. : Cool Daylight = 6500K  
Warm White = 3000K





**EVERTON**  
F208



150W

**AC MILAN**  
F107



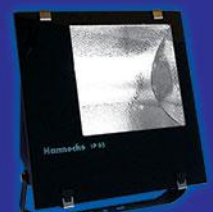
250W  
400W

**LAZIO**  
F320



250W  
400W

**JUVENTUS**  
F330



250W  
400W

**MIDDLESBROUGH**  
F024



1.000W  
2.000W

**CHARLTON**  
F207



1.000W  
2.000W

**ARSENAL**  
F407



1.000W

**RMG**  
RECESSED METAL LOUVRE



2x20w  
3x20w  
4x20w  
2x40w  
3x40w

**UNDERGROUND LIGHT**  
**BRIGHTON** **BOSTON**

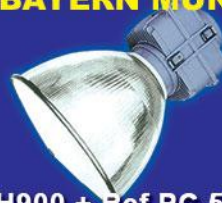


OGL 001 70W



SGL 002 70W

**HIGHBAY**  
**BAYERN MUNICH** **SAMPDORIA**



H900 + Ref PC 570 +  
Cover PC 570




H100 + Ref H 007  
H100 + Ref H 009




**HIGH PRESSURE MERCURY**

HPM 125W E27  
HPM 250W E40  
HPM 400W E40

COATED



**HIGH PRESSURE SODIUM**

HPS SUPER 70W E27  
HPS / HPS SUPER 100W E40  
HPS / HPS SUPER 150W E40  
HPS / HPS SUPER 250W E40

2 TUBES



**METAL HALIDE**

MHTD 70W RX7S  
MHTD 150W RX7S



**BLENDED MERCURY**

MSB 125W E27  
MSB 160W E27 (COATED)  
MSB 500W E40 (COATED)  
MSB 500W E40 (CLEAR)

CLEAR COATED



**HIGH PRESSURE SODIUM TUBULAR**

HPST SUPER 150W E40  
HPST SUPER 250W E40  
HPST SUPER 400W E40

2 TUBES



**METAL HALIDE**

MHTE 70W E27  
MHTE 150W E27

**TUBULAR METAL HALIDE**



MHT 250W



MHT 400W

**CAPACITOR**



HPC 10uF  
HPC 20uF  
HPC 25uF

**IGNITOR**



HI 68  
HI 78  
HI 98



**HID BALLAST**

BHM 125W	BHS 70W
BHM 250W	BHS 100W
BHM 400W	BHS 150W
BHM 1000W	BHS 250W
	BHS 400W
	BHS 1000W