

High Wattage LED Light Engine

Ideal for easy design of lighting application 5W ... 60W

Maxi chips packaged for excellent heat dissipation



DOMAƏ
LED TECH CO., LTD

10 Watt

DM-C-R14-10 series



DM-C-R14-10

beam angle: 140 deg.

forward current: 800mA max.

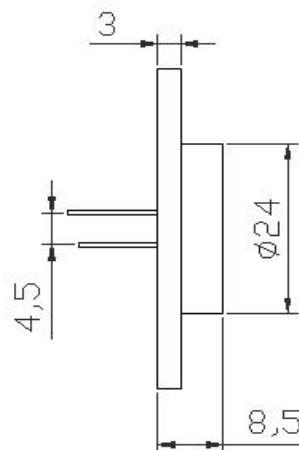
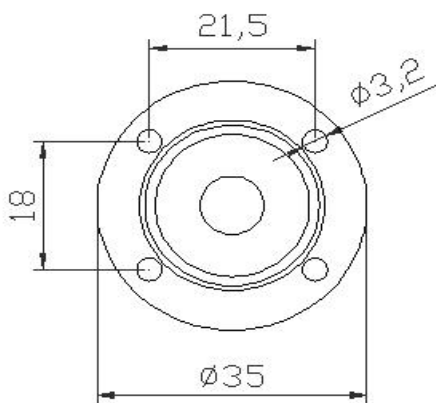
Thermal management:

lamp base efficiently drains heat from LED chips.

Secondary heat-sink has to be designed to assure correct thermal management within system operative limit conditions.

Check performance and stability of total system testing temperature of lamp base when coupled with secondary heat-sink and housing of your fixture.

Be sure that the temperature of lamp base never exceeds 80°C max. value.



dimensions in mm.

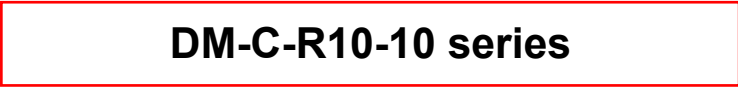
Some dimensions are subject to be changed without prior notice. Reconfirm data in case of critical application.

Part Nbr.	Color	Flux(lm)	λ D (nm)		VDC			Driver (optional)
			CCT (°K)	min.	typ.	max.		
DM-C-R14-10R	Red	300	620	nm	8,8	9,1	11,0	PH10800 I _{DC} 0,8A
DM-C-R14-10G	Green	300	530	nm	11,0	11,2	11,4	
DM-C-R14-10B	Blue	80	470	nm	10,2	10,4	10,8	
DM-C-R14-10A	Amber	300	590	nm	8,8	9,1	11,0	
DM-C-R14-10W35	Warm White	280	3.500	°K	10,2	10,4	10,8	
DM-C-R14-10W60	White	300	6.000	°K	10,2	10,4	10,8	

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DM-C-R10-10

beam angle: 100 deg.

forward current: 800mA max.

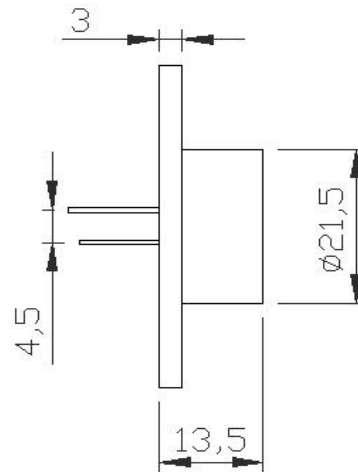
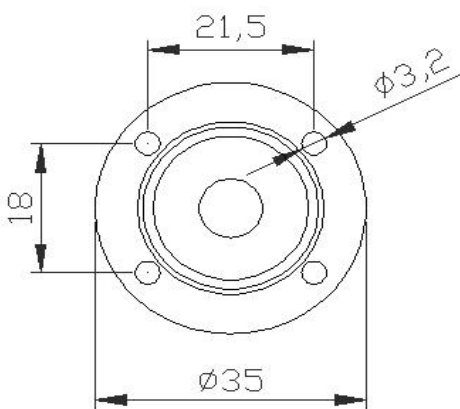
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dimensions in mm.

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Part Nbr.	Color	Flux(lm)	λD (nm)		VDC			Driver (optional)
			CCT (°K)	min.	Typ.	max.		
DM-C-R10-10R	Red	300	620 nm	8,8	9,1	11,0	PH10800 I _{DC} 0.8A	
DM-C-R10-10G	Green	300	530 nm	11,0	11,2	11,4		
DM-C-R10-10B	Blue	80	470 nm	10,2	10,4	10,8		
DM-C-R10-10A	Amber	300	590 nm	8,8	9,1	11,0		
DM-C-R10-10W35	Warm White	280	3.500 °K	10,2	10,4	10,8		
DM-C-R10-10W60	White	300	6.000 °K	10,2	10,4	10,8		

High Wattage LED Light Engine

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10 Watt

DM-C-R08-10 series



beam angle: 80 deg.

forward current: 800mA max.

Thermal management:

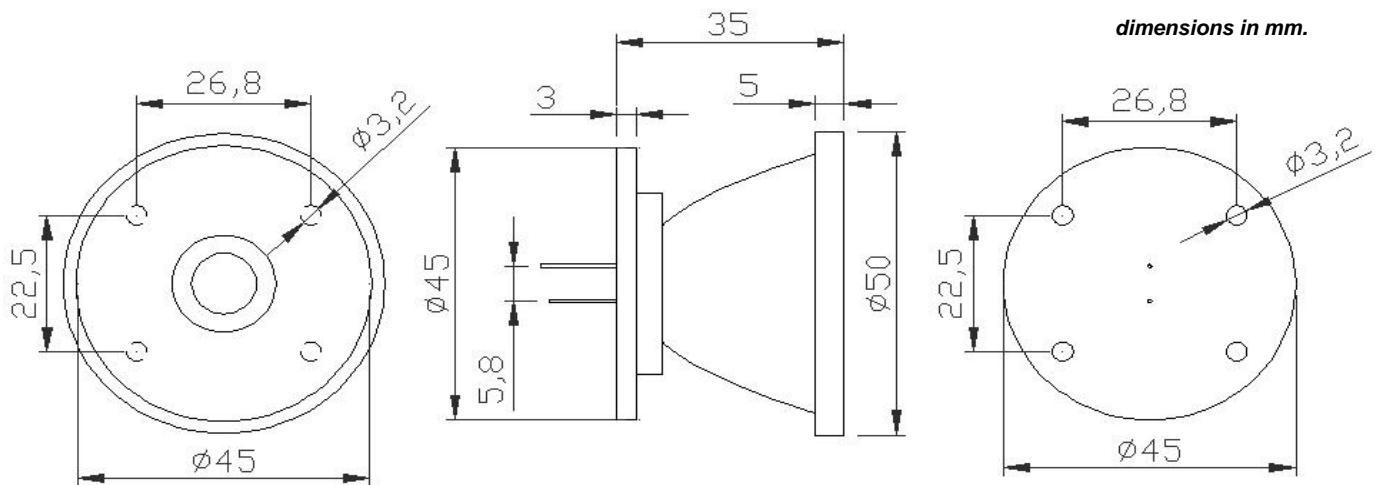
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Check performance and stability of total system testing temperature of lamp base when coupled with secondary heat-sink and housing of your fixture.

Be sure that the temperature of lamp base never exceeds 80°C max. value.

DM-C-R08-10



Some dimensions are subject to be changed without prior notice. Reconfirm data in case of critical application.

Part Nbr.	Color	Flux(lm)	λD (nm)		VDC			Driver (optional)
			CCT (°K)	min.	Typ.	max.		
DM-C-R08-10R	Red	300	620	nm	8,8	9,1	11,0	PH10800 I _{DC} 0.8A
DM-C-R08-10G	Green	300	530	nm	11,0	11,2	11,4	
DM-C-R08-10B	Blue	80	470	nm	10,2	10,4	10,8	
DM-C-R08-10A	Amber	300	590	nm	8,8	9,1	11,0	
DM-C-R08-10W35	Warm White	280	3.500	°K	10,2	10,4	10,8	
DM-C-R08-10W60	White	300	6.000	°K	10,2	10,4	10,8	

High Wattage LED Light Engine

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10 Watt

DM-CH-R14-10 series



DM-CH-R14-10

beam angle: 140 deg.

forward current: 800mA max.

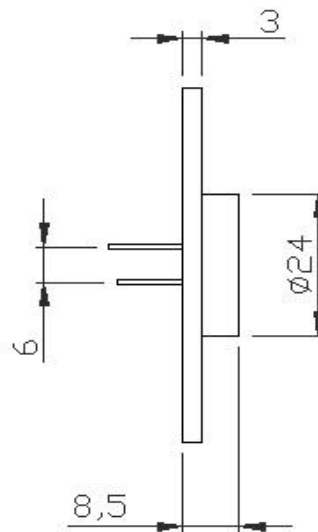
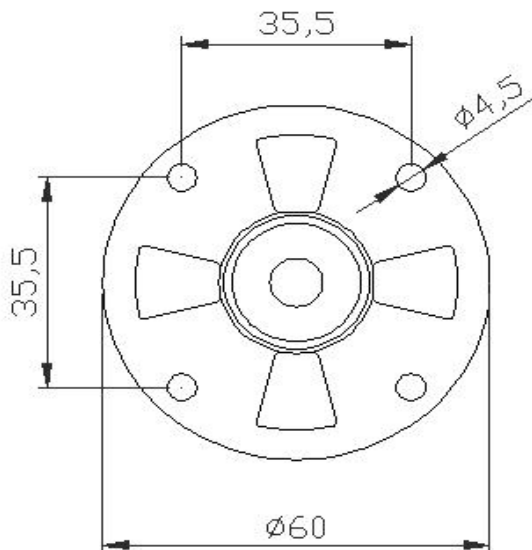
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dimensions in mm.

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Part Nbr.	Color	Flux(lm)	λD (nm)		VDC			Driver (optional)
			CCT (°K)	min.	Typ.	max.		
DM-CH-R14-10R	Red	300	620	nm	8,8	9,1	11,0	PH10800 I _{bc} 0.8A
DM-CH-R14-10G	Green	300	530	nm	11,0	11,2	11,4	
DM-CH-R14-10B	Blue	80	470	nm	10,2	10,4	10,8	
DM-CH-R14-10A	Amber	300	590	nm	8,8	9,1	11,0	
DM-CH-R14-10W35	Warm White	280	3.500	°K	10,2	10,4	10,8	
DM-CH-R14-10W60	White	300	6.000	°K	10,2	10,4	10,8	

High Wattage LED Light Engine

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10 Watt

DM-R-R1609-10 series



DM-R-R1609-10

*Beam angle: 160 deg. Horizontal 90 deg. Vertical
Forward current: 800mA max.*

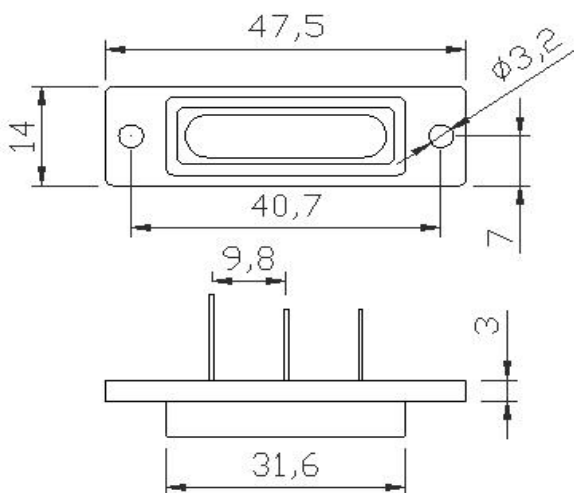
Thermal management:

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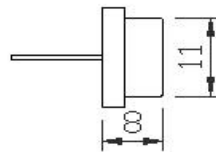
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dimensions in mm.



Some dimensions are subject to be changed without prior notice. Reconfirm data in case of critical application.

Part Nbr.	Color	Flux(lm)	λD (nm)		VDC			Driver (optional)
			CCT (°K)	min.	Typ.	max.		
DM-R-R1609-10R	Red	300	620 nm	8,8	9,1	11,0	PH10800 I _{dc} 0.8A	
DM-R-R1609-10G	Green	300	530 nm	11,0	11,2	11,4		
DM-R-R1609-10B	Blue	80	470 nm	10,2	10,4	10,8		
DM-R-R1609-10A	Amber	300	590 nm	8,8	9,1	11,0		
DM-R-R1609-10W35	Warm White	280	3.500 °K	10,2	10,4	10,8		
DM-R-R1609-10W60	White	300	6.000 °K	10,2	10,4	10,8		

AC to DC switching power supply

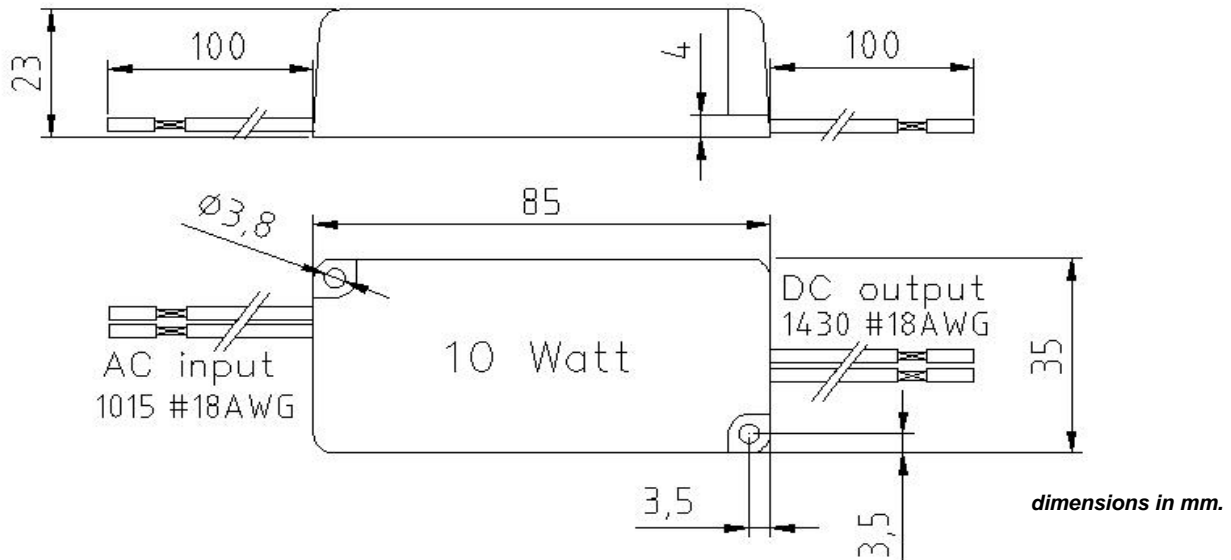
Ideal for MLED light engine

Specially designed, universal power driver from AC city power



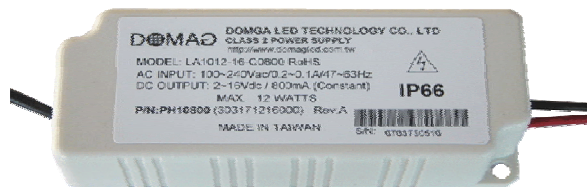
DOMA
LED TECH CO., LTD

10 Watt LED optimized drivers



PH10800 (LA1012-16-C0800)

Constant Current DC Output: 0,8A



PH10800 is suitable driver for single colour:

DM-C-R14-10xxx DM-C-R08-10xxx
DM-C-R10-10xxx DM-CH-R14-10xxx
DM-R-R1609-10xxx

Safety : UL1310 - Class2 - cUL - FCC B - CE - RoHS

Protection classification: IP66

AC Input range: 90~264VAC / 0,2~0,1A / 47~63Hz

DC Output: 2~16VDC

Watts: 10W

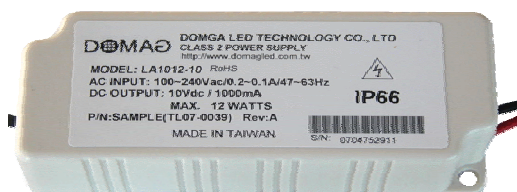
Operation Temp. : -40°C~+70°C Tc: 90°C

Power factor: >0,6 at full load, 115VAC-230VAC

Efficiency : 75% Typical

PH1012 (LA1012-10)

Constant Voltage Output: 10VDC



PH1012 is suitable driver for RGB:

DM-R-R1609-9MF

Safety : UL1310 - Class2 - cUL - FCC B - CE - RoHS

Protection classification: IP66

AC Input range: 90~264VAC / 0,2~0,1A / 47~63Hz

Watts: 10W

Operation Temp. : -40°C~+70°C Tc: 90°C

Power factor: >0,6 at full load, 115VAC-230VAC

Efficiency : 75% Typical