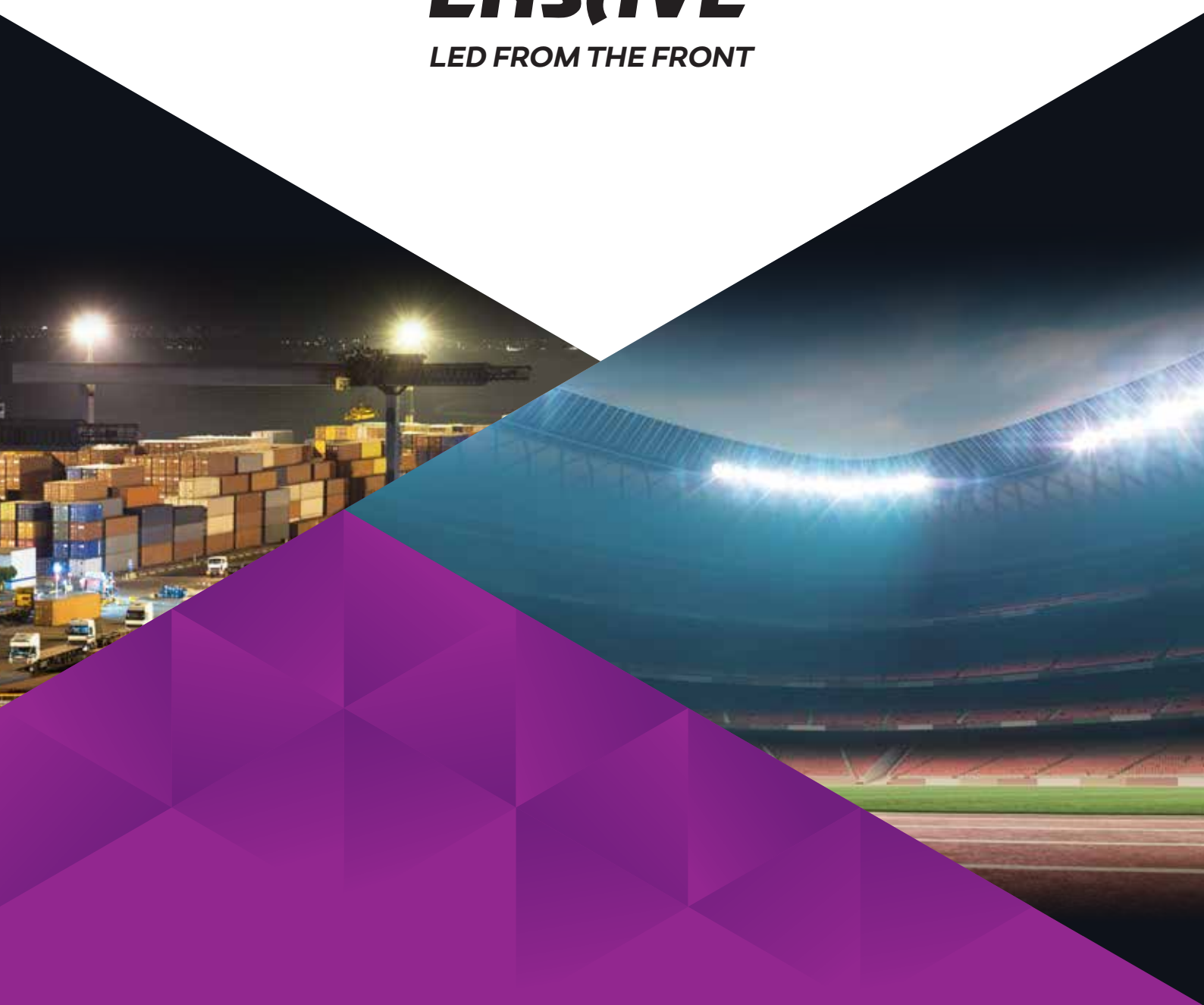
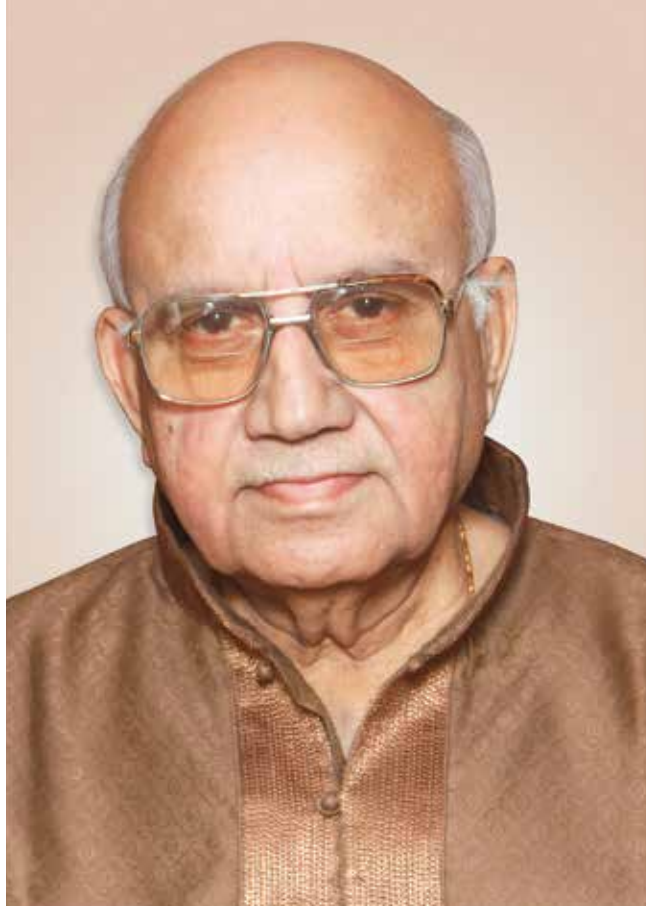




ENSAVE
LED FROM THE FRONT



FLOOD LIGHTING
L E D P R O D U C T R A N G E



Late. Shri G. Arvind Rao



Founder

Evergreen Group of Companies

ENSAVE



ENSAVE, a brand of the Evergreen Group of companies, has been a leading LED luminaire manufacturer in India for over 50 years and engaged in lighting solutions for the complete urban space and beyond. Futuristic, energy-efficient and custom-built LED lighting products are our hallmark across various applications such as offices, industrial, street lighting, large stadium lighting for sports and outdoor landscape lighting. We also, are one of the major lighting partners for the Indian Railways with our coach lighting, LED head lighting, and fog lighting applications.

ENSAVE, represents the simplest and most reliable path to customised and sustainable lighting solutions. All our products are designed to actually deliver to you our brand promise — **LED FROM THE FRONT!**

ENSAVE is poised to meet the high standards of its customers for high quality and reliable LED lighting products and is in a position to meet customers' needs, small and big.





FLOOD LIGHTING

FALCON 11

LED Floodlight

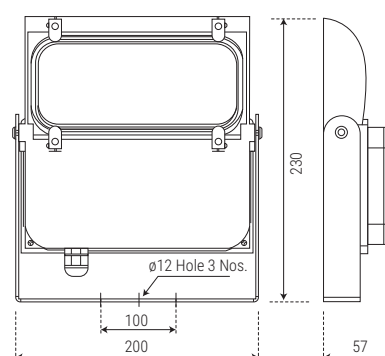
30W/50W/60W/70W/75W



Baby Flood Light, with top maintenance and available in 30°/60°/90° beam angle. Comprising of die cast aluminium housing, with a toughened glass, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

(Red, Green, Blue colour options available on request)

Dimensional Drawing



MOUNTING:
Mounted on a cradle by 3 nos. of 12mm dia holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting

Electrical Specifications

	(IS) Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 11-30W(57)GL	30W	240	50	120 - 277	0.112 - 0.1375	≥ 0.95	> 85%	10 KV
FALCON 11-50W(57)GL	50W	240	50	120 - 277	0.187 - 0.229	≥ 0.95	> 85%	10 KV
FALCON 11-60W(57)GL	60W	240	50	120 - 277	0.225 - 0.275	≥ 0.95	> 85%	10 KV
FALCON 11-70W(57)GL	70W	240	50	120 - 277	0.260 - 0.320	≥ 0.95	> 85%	10 KV
FALCON 11-75W(57)GL	75W	240	50	120 - 277	0.281 - 0.343	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

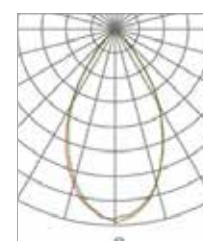
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 2.00 Kg. approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Area/Landscape
External Surge	10KV-5KA

Polar Diagram



FALCON 21

LED Floodlight

80W/90W/100W



Flood Light, with top maintenance and available in 30°/60°/90° beam angle. Comprising of die cast aluminium housing, with a toughened glass, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

(Red, Green, Blue colour options available on request)

Applications



Building
Facades



Sports
Lighting

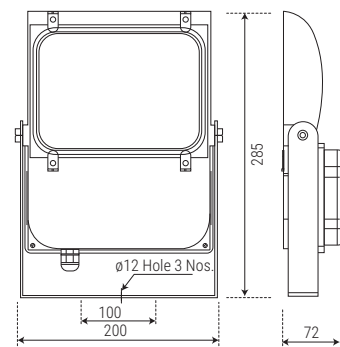


Parking
Areas



Hoarding
Lighting

Dimensional Drawing



MOUNTING:

Mounted on a cradle by 3 nos. of 12mm dia holes.

Electrical Specifications

	(IS) Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 21-80W(57)GL	80W	240	50	120 - 277	0.300 - 0.366	≥ 0.95	> 85%	10 KV
FALCON 21-90W(57)GL	90W	240	50	120 - 277	0.337 - 0.412	≥ 0.95	> 85%	10 KV
FALCON 21-100W(57)GL	100W	240	50	120 - 277	0.375 - 0.458	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

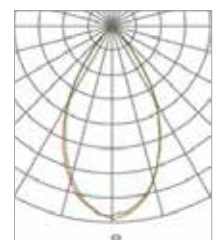
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 2.30 Kg approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

Polar Diagram



FALCON 31

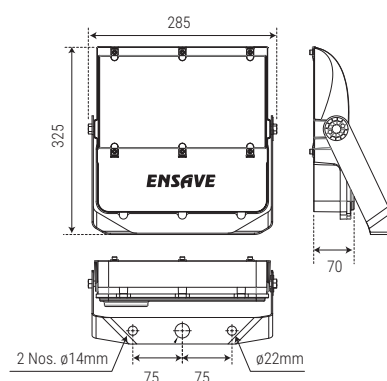
LED Floodlight

120W/150W



This Flood Light, with top maintenance and available in 30°/60°/90° beam angle. Comprises of die cast aluminium housing, with a toughened glass, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

Dimensional Drawing



MOUNTING: Mounted on a cradle by 3 nos. of 14mm dia holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 31-120W(57)GL	120W	240	50	120 - 277	0.450 - 0.550	≥ 0.95	> 85%	10 KV
FALCON 31-150W(57)GL	150W	240	50	120 - 277	0.562 - 0.687	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 4.00 Kg approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

Polar Diagram



FALCON 41

LED Floodlight

180W/200W



This Flood Light, with top maintenance and available in 30°/60°/90° beam angle. Comprises of die cast aluminium housing, with a toughened glass, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

Applications



Building
Facades



Sports
Lighting



Parking
Areas

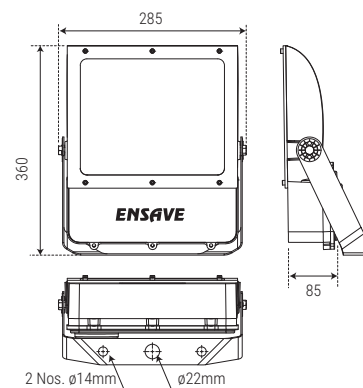


Hoarding
Lighting



Highmast
Lighting

Dimensional Drawing



MOUNTING: Mounted on a cradle by 3 nos. of 14mm dia holes.

Electrical Specifications

	(IS) Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 41-180W(57)GL	180W	240	50	120 - 277	0.675 - 0.825	≥ 0.95	> 85%	10 KV
FALCON 41-200W(57)GL	200W	240	50	120 - 277	0.750 - 0.916	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

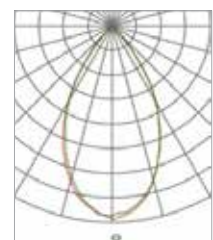
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 5.70 Kg approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

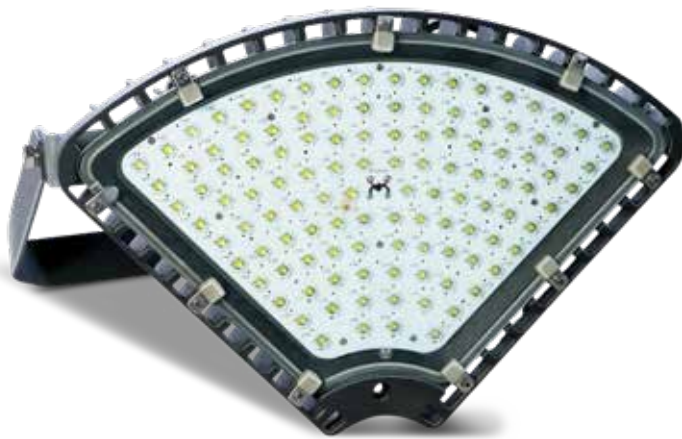
Polar Diagram



FALCON 51

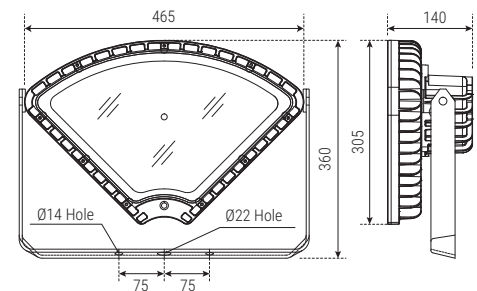
LED Floodlight

250W



A modular Flood Light, with top maintenance and available in 10°/15°/30°/60°/90° beam angle, for various applications, including large area lighting and stadium lighting, comprises of die cast aluminium housing, enclosed separate driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

Dimensional Drawing



MOUNTING:

Mounted on a cradle by 2 nos. dia. 14mm and dia. 22mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	(IS) Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 51-250W(57)GL	250W	240	50	120 - 277	0.937 - 1.145	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

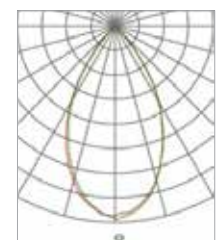
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 8.50 Kg. approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

Polar Diagram



FALCON 61

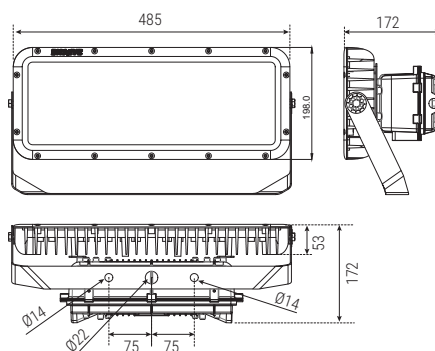
LED Floodlight

250W/300W



A modular Flood Light, available in 30°/60°/90° beam angle, for various applications, including large area lighting and sports lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING:

Mounted on a cradle by 2 nos. dia 14mm and dia. 22mm holes.

Applications



Building Facades



Sports Lighting



Parking Areas



Hoarding Lighting



Highmast Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 61-250W(57)GL	250W	240	50	140 - 305	0.937 - 1.145	≥ 0.95	> 85%	10 KV
FALCON 61-300W(57)GL	300W	240	50	140 - 305	1.125 - 1.375	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 8.70 Kg approx

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight/ Highmast/Tunnel Application
External Surge	10KV-5KA

Polar Diagram



FALCON 62

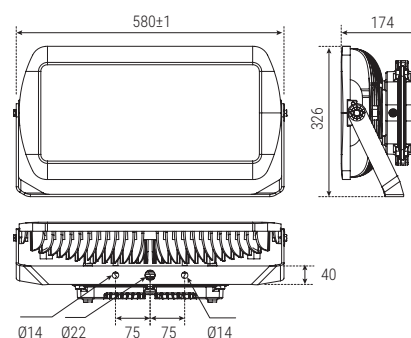
LED Floodlight

400W/500W



A modular Flood Light, available in 30°/60°/90° beam angle, for various applications, including large area lighting and sports lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING:

Mounted on a cradle by 2 nos. dia 14mm and dia. 22mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 62-400W(57)GL	400W	240	50	140 - 305	1.500-1.750	≥ 0.95	> 85%	10 KV
FALCON 62-500W(57)GL	500W	240	50	140 - 305	1.800-2.200	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

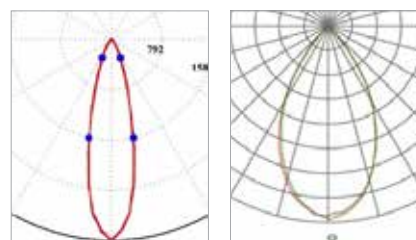
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 12.50 Kg approx

Optical Parameters

CRI	≥ 70/80
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight / Highmast Application
External Surge	10KV-5KA

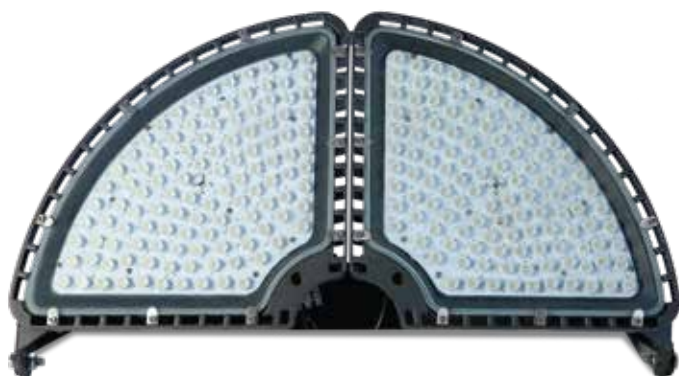
Polar Diagram



FALCON 51

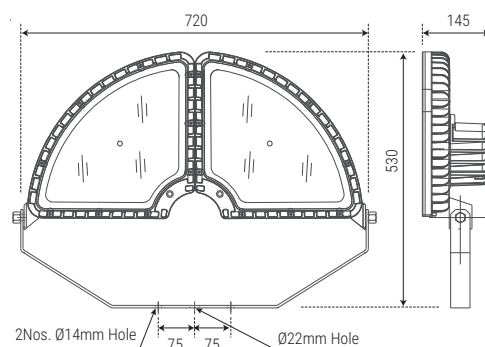
LED Floodlight

400W/500W



A modular Flood Light, with top maintenance and available in 10°/15°/30°/60°/90° beam angle, for various applications, including large area lighting and stadium lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request.

Dimensional Drawing



MOUNTING:
Mounted on a cradle by 2 nos. dia 14mm and
dia. 22mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 51-400W(57) GL	400W	240	50	140 - 305	1.66	≥ 0.95	> 85%	10 KV
FALCON 51-500W(57) GL	500W	240	50	140 - 305	1.875 - 2.291	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

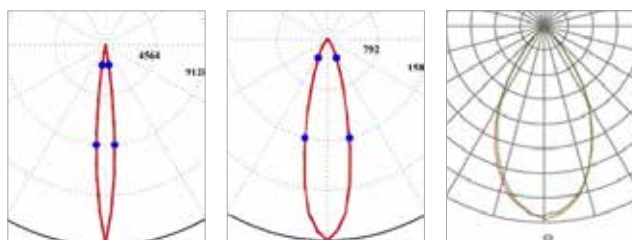
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 16.00 Kg approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

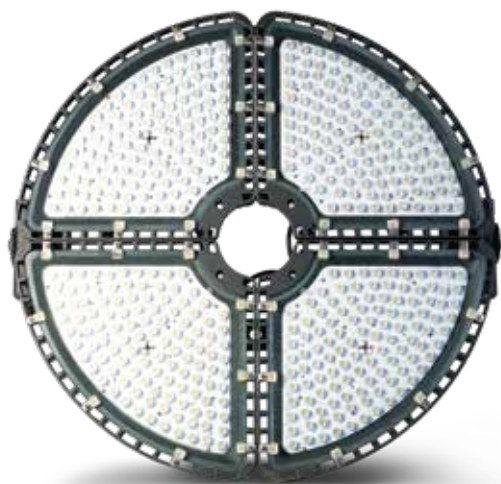
Polar Diagram



FALCON 51

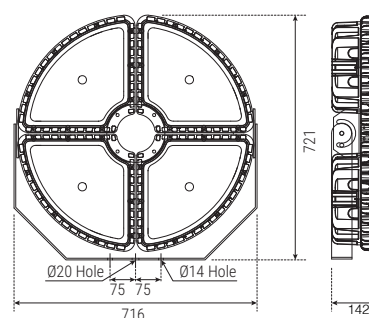
LED Floodlight

800W/1000W



A modular Flood Light, with top maintenance and available in 10°/15°/30°/60°/90° beam angle, for various applications, including large area lighting and stadium lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING:
Mounted on a cradle by 2 nos. dia. 14mm and dia. 20mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 51-800W(57)GL	800W	240	50	140 - 305	3.000 - 3.666	≥ 0.95	> 85%	10 KV
FALCON 51-1000W(57)GL	1000W	240	50	140 - 305	3.750 - 4.583	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

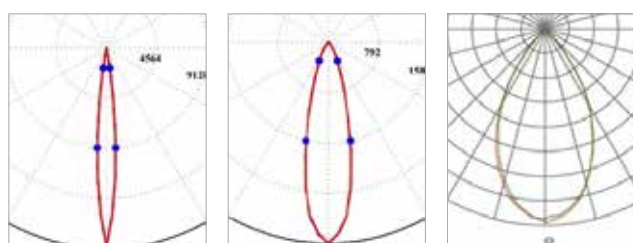
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 34 Kg approx.(Integral); 23 Kg approx. (Non-integral)

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight/ Stadium/Highmast Application
External Surge	10KV-5KA

Polar Diagram



FALCON 61

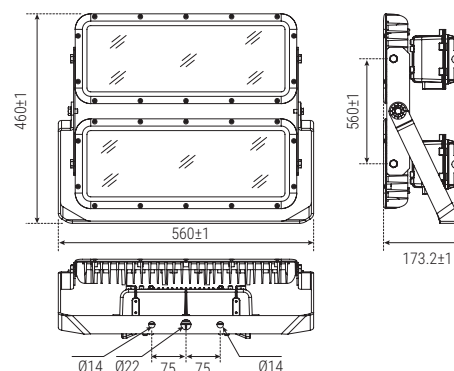
LED Floodlight

500W/600W



A modular Flood Light, available in 10°/15°/30°/60°/90° beam angle, specially for sports lighting application. Comprises of die cast aluminium housing, enclosed driver compartment, glarefree reflector optics and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING:

Mounted on a cradle by 2 nos. dia. 14mm and dia. 20mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 61-500W(57)GL	500W	240	50	140 - 305	1.875 - 2.291	≥ 0.95	> 85%	10 KV
FALCON 61-600W(57)GL	600W	240	50	140 - 305	2.250 - 2.750	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

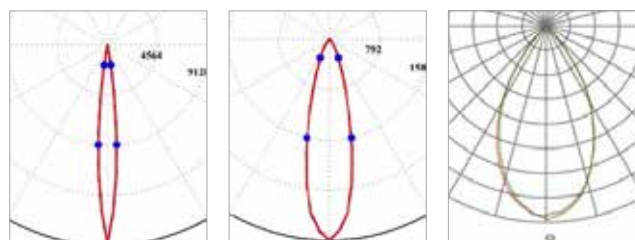
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 15.00 Kg approx

Optical Parameters

CRI	≥ 70/80
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight / Highmast Application
External Surge	10KV-5KA

Polar Diagram



FALCON 61

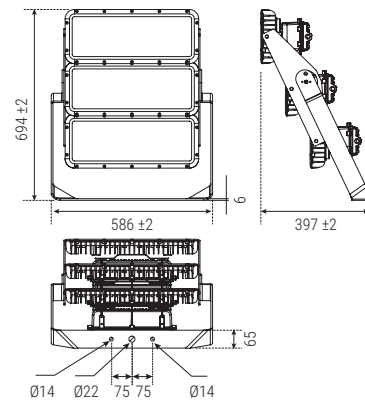
LED Floodlight

900W



A modular Flood Light, available in 10°/15°/ 30°/60°/90° beam angle, specially for sports lighting application. Comprises of die cast aluminium housing, enclosed driver compartment, glarefree reflector optics and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING: Mounted on a cradle by 2 nos. dia 14mm and dia. 22mm holes.

Applications



Building
Facades



Sports
Lighting



Parking
Areas



Hoarding
Lighting



Highmast
Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 61-900W(57)GL	900W	240	50	140 - 305	3.375 - 4.125	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

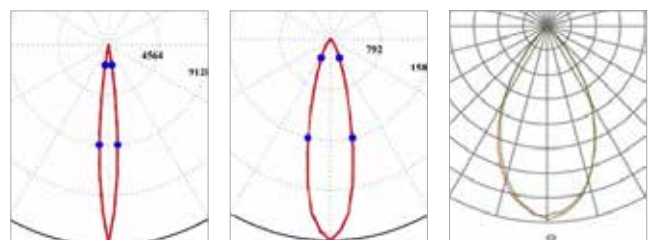
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 30.00 Kg approx

Optical Parameters

CRI	≥ 70/80
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight/ Stadium/Highmast Application
External Surge	10KV-5KA

Polar Diagram



FALCON 62

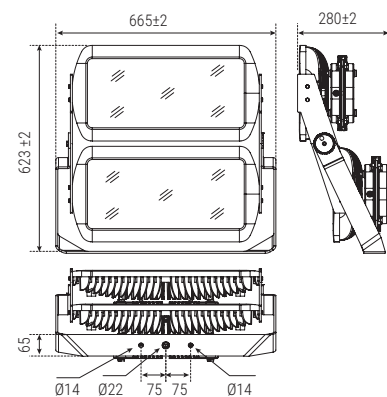
LED Floodlight

800W/1000W



A modular Flood Light, available in 30°/60°/90° beam angle, for various applications, including large area lighting and sports lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Dimensional Drawing



MOUNTING: Mounted on a cradle by 2 nos. dia 14mm and dia. 22mm holes.

Applications



Building Facades



Sports Lighting



Parking Areas



Hoarding Lighting



Highmast Lighting

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 62-800W(57)GL	800W	240	50	140 - 305	3.000-3.500	≥ 0.95	> 85%	10 KV
FALCON 62-1000W(57)GL	1000W	240	50	140 - 305	3.750-4.250	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

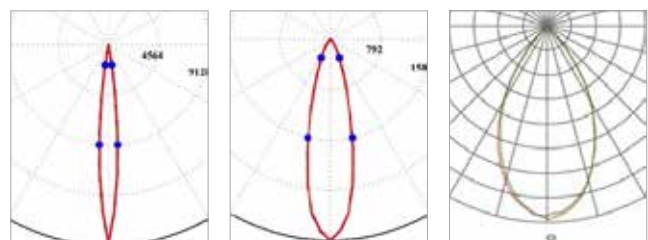
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 34 Kg approx.(Integral); 24 Kg approx. (Non-integral) [Optional]

Optical Parameters

CRI	≥ 70/80
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight / Highmast Application
External Surge	10KV-5KA

Polar Diagram



FALCON 62

LED Floodlight

1200W/1500W



A modular Flood Light, available in 30°/60° /90° beam angle, for various applications, including large area lighting and sports lighting, comprises of die cast aluminium housing, enclosed driver compartment, and a mounting cradle. Also available in CCT of 3000K and 4000K on request. Can be supplied in NI version also.

Applications



Building Facades

Sports
Lighting

Parking Areas

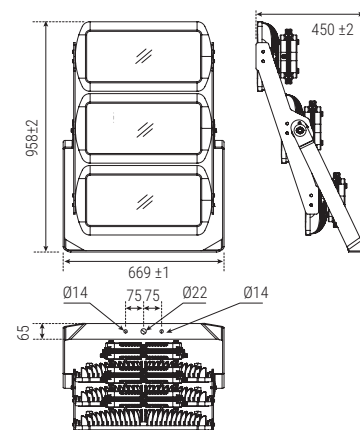


Hoarding Lighting



Highmast Lighting

Dimensional Drawing



MOUNTING: Mounted on a cradle by 2 nos. dia. 14mm and dia. 20mm holes.

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON 62-1200W(57)GL	1200W	240	50	140 - 305	4.750-5.250	≥ 0.95	> 85%	10 KV
FALCON 62-1500W(57)GL	1500W	240	50	140 - 305	6.000-6.500	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

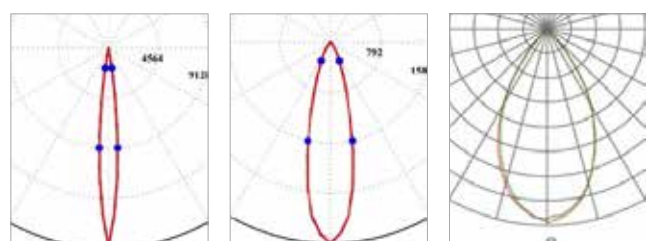
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 43 Kg approx.(Integral); 35 Kg approx. (Non-integral) [Optional]

Optical Parameters

CRI	≥ 70/80 optional
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight/ Stadium/Highmast Application
External Surge	10KV-5KA

Polar Diagram



FALCON UC-23

LED UNDER CANOPY LIGHT

80W/100W



This Floodlight luminaries comprises of die cast aluminum housing white powder coated & toughened glass.

Applications

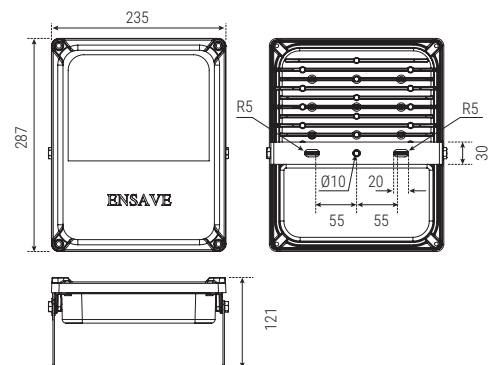


Petrol
Pump



Toll
Plaza

Dimensional Drawing



MOUNTING:
Mounted on a cradle by 3 nos.of 12mm dia holes.

Electrical Specifications

	AC Wattage	Input Voltage (V)	Frequency (Hz)	Operating Voltage Range (V)	Current (A) @ 240V	Power Factor	Driver Efficiency	Surge Protection
FALCON UC 23-80W(57)GL	80W	240	50	120 - 277	0.320 - 0.360	≥ 0.95	> 85%	10 KV
FALCON UC 23-100W(57)GL	100W	240	50	120 - 277	0.375 - 0.458	≥ 0.95	> 85%	10 KV

System Efficacy Available: 110, 120, 130

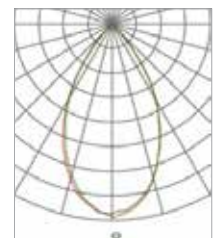
Driver: Constant current / over voltage / under voltage and 440V protection

Product Weight: 3.00 Kg approx.

Optical Parameters

CRI	≥ 70
Ingress Protection	IP 66
Operating Temperature	(-)10°C to (+)50°C
Colour Temperature	5700 K (Typical)
Beam Angle	Secondary Lenses for Floodlight Application
External Surge	10KV-5KA

Polar Diagram



ENSAVE uses, the latest engineering design methodologies and manufacturing processes to ensure that all its products conform or exceed the stated product specifications.

Evergreen has state-of-the-art electronics, lighting and product evaluation labs. The group has very high level of backward integration in its manufacturing facilities including captive pressure die casting powder coating sheet metal, fabrication, electronic assemblies for LED drivers etc.



Electronics Shop Floor



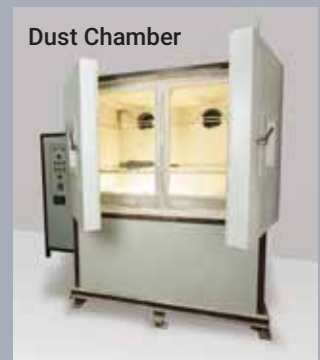
Reflow Oven



Driver 440V Test



IP Testing



Dust Chamber



THB Tester



Integrating Sphere



Gonio Meter



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