

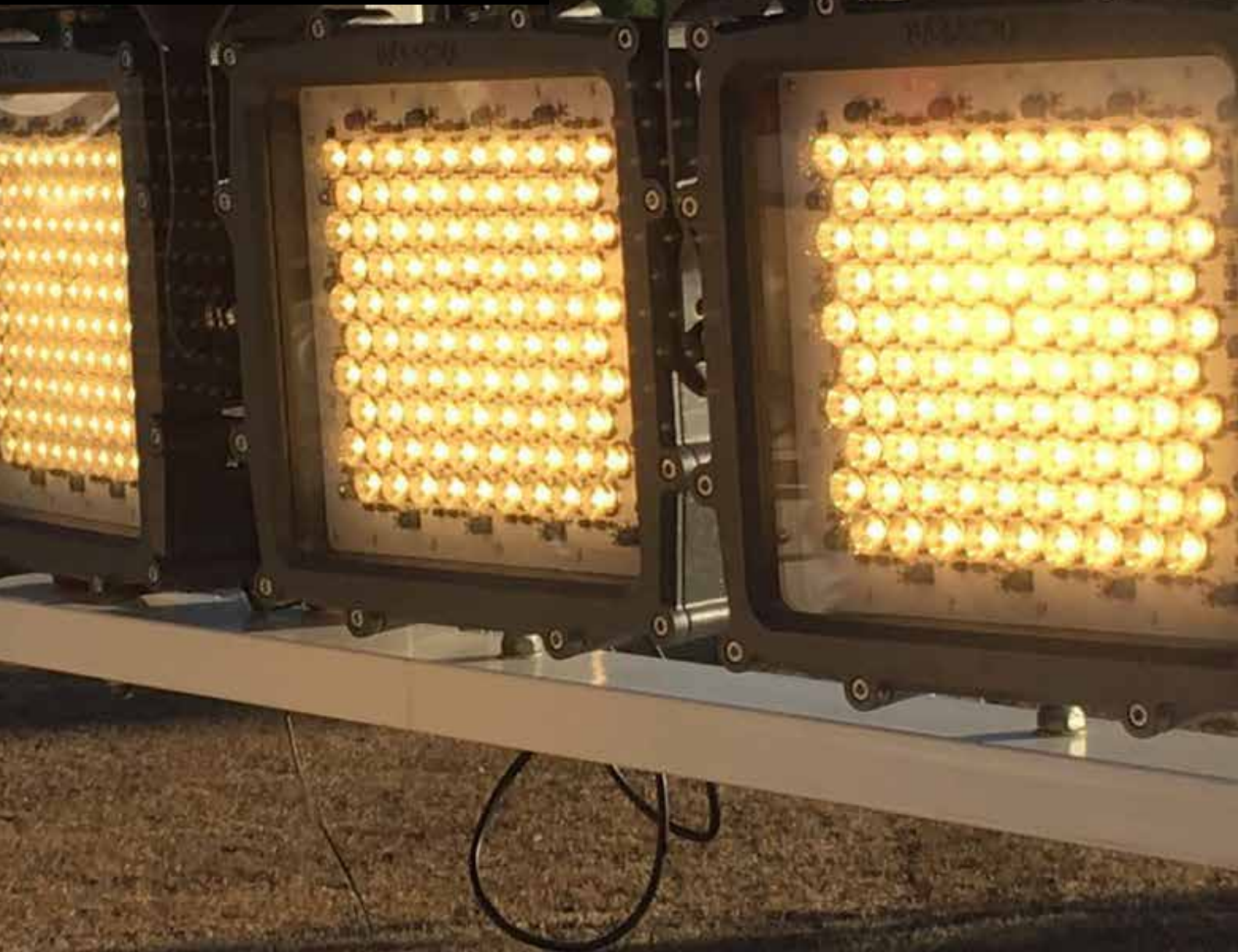
DCbright

ngl
next generation led



www.nextgenerationled.be

We were requested to make a lighting tower with the appearance of less light pollution, the solution was using 2700k LED's with a very high Color rendering Index (CRI), this allowed for a better contrast on the ground as well as the perception of less glare and light pollution, we can make towers to suit all applications



The DCB95 series is the flagship product for DCbright. The innovative electronics design makes it the world's brightest LED light for the power consumed. This environmentally friendly product reduces your long term energy costs significantly. It has an extremely robust housing. Its high quality production material guarantees its reliability in the harshest of environments. This product is ideal for multiple applications including industrial, architectural and mining



General specifications

Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Operation temperature range	-30 ~ +50°C
Expected life span	DCB95-300 : 72 600 hours to 90% brightness, LM90 DCB95-500 : 60 500 hours to 80% brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	High tensile strength stainless steel 316
Front cover material	UV coated polycarbonate
Colour	Titanium grey
Light angle adjustment	+/- 240° in 30° steps
Cable type	DCB95-300 : H07RN-F 2x2mm ² DCB95-500 : H07RN-F 2x2.5mm ² & 1x0.5mm ²
Cable diameter	10.5 mm
Cable length	2 m

Available beam options

Light angles	8° - 13° - 38° - 69° - 46x14° - 106x29°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K
CRI	> 70

Weight and packaging

Lamp weight	18.2 kg
Bracket weight	2.9 kg
Product dimensions	515 x 440 x 95 mm
Packaging dimensions	570 x 505 x 165 mm
Gross weight	22.7 kg

Warranty

Warranty	3 years
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DCB95-300

Optical specifications

Light output	33 981 ~ 44 943 lm
Light output (raw leds)	51 910 lm
Efficiency	145 lm/W

Electrical specifications

Power consumption	310W
Normal voltage	24V
Voltage range	21 ~ 48V

DCB95-500

Optical specifications

Light output	64 546 lm
Light output (raw leds)	77 950 lm
Efficiency	134 lm/W

Electrical specifications

Power consumption	480W
Normal voltage	24V
Voltage range	20 ~ 35V
Brightness settings	50 - 75 - 100%



General specifications

Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Operation temperature range	-30 ~ +50°C
Expected life span	DCB96-475AC : 60 500 hours to 80% brightness, LM80 DCB102-475AC : 60 500 hours to 80% brightness, LM80 DCB120-640AC : 60 500 hours to 80% brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	High tensile strength stainless steel 316
Front cover material	UV coated polycarbonate
Colour	Titanium grey
Light angle adjustment	+/- 240° in 30° steps

Available beam options

Light angles	8° - 13° - 38° - 69° - 46x14° - 106x29°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K
CRI	> 70

Electrical specifications

Available drivers	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC
Cable type	H07RN-F
Cable length	2m (standard)

Weight and packaging

Lamp weight	18.2 kg
Bracket weight	2.9 kg
Product dimensions	515 x 440 x 95 mm
Packaging dimensions	570 x 505 x 165 mm
Gross weight	22.7 kg

Warranty

Warranty	3 years
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DCB120-800AC

Optical specifications

Light output	105 000 lm
Light output (raw leds)	205 000 lm
Efficiency	131 lm/W

Electrical specifications

Power consumption	800W
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DCB96-475AC

Optical specifications

Light output	62 312 lm
Light output (raw leds)	73 600 lm
Efficiency	133 lm/W

Electrical specifications

Power consumption	456W
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DCB Power Supplier

General specifications

DCB45AC power supplier

Voltage range 220V	90-305VAC / 127-431VDC
Voltage range 380V	180-528VAC / 254-747VDC
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Colour	Titanium grey
Weight DCB45-ps	3.6 - 4.2 kg

DCB96-102-130AC power supplier

Voltage range 220V	90-305VAC / 127-431VDC
Voltage range 380V	180-528VAC / 254-747VDC
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Colour	Titanium grey
Weight DCB96-102-120-ps	5.0 - 6.2 kg





The DCB39 series is a physically smaller fixture than the DCB95 range but with all of the same inbuilt technology. With less than half of the weight of the DCB95 fitting it is still capable of dissipating the heat and preserving the LED's in the harshest of environments.

The DCB39 series is ideal for applications with limited space or limited supporting power. It is ideal for the following applications:
Drag Lines, Area Flood Lighting, Light Towers, Ships, Warehouses & Workshops.

General specifications

Optical specifications

Light output	24 749 - 29 688 lm
Light output (raw leds)	35 470 lm
Efficiency	123 lm/W
CRI	> 70
Light angles	8° - 13° - 38° - 69° - 46x14° - 106x29°
Light beam colour	
	Cool white : 6500 K
	Neutral white : 4000 K
	Warm white : 2700 K

Electrical specifications

Power consumption	240W
Norminal voltage	24V
Voltage range	20 - 35V
Brightness settings	50 - 75 - 100%

Weight and packaging

Lamp weight	7.2 kg
Bracket weight	1.7 kg
Product dimensions	320 x 290 x 90 mm
Packaging dimensions	380 x 350 x 150 mm
Gross weight	10.1 kg

Warranty

Warranty	3 years
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Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Operation temperature range	-30 ~ +50°C
Expected life span	60 500 hours to 80% brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	E-Coated 200 Stainless Steel
Front cover material	UV coated polycarbonate
Colour	Titanium grey
Light angle adjustment	+/- 240° in 30° steps
Cable type	H07RN-F
Cable diameter	8.5 mm
Cable length	2m (standard)



DCB45 Heavy Duty Bracket - Barracuda

General specifications

Bracket specifications

Bracket material	E-Coated 200 Stainless Steel
Bracket ring material	E-Coated 200 Stainless Steel
Bracket weight	8.5 kg
Bracket thickness	8 mm
Colour	Titanium grey
Light angle adjustment	± 240° in 5° steps



General specifications

Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Expected life span	50 000 hours to 70% brightness, LM70
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	2 layers e-coated stainless steel
Front cover material	Safety glass
Colour	Grey
Light angle adjustment	+/- 240° in 30° steps

Electrical specifications

Available driver	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC
Normal voltage	24V
Voltage range	20 - 35V

Weight and packaging

Lamp weight	7.2 kg
Bracket weight	1.7 kg
Product dimensions	320 x 290 x 90 mm
Packaging dimensions	380 x 350 x 150 mm
Gross weight	10.1 kg

Available beam options

CRI	> 70
Light angles	115°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K

Warranty

Warranty	3 years
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DCB45-35AC

Specific specifications

Light output	5 800 lm
Efficiency	193 lm/W
Power consumption	30W
Max operation temperature	110°C

DCB45-50AC

Specific specifications

Light output	8 600 lm
Efficiency	169 lm/W
Power consumption	51W
Max operation temperature	105°C

DCB45-100AC

Specific specifications

Light output	16 600 lm
Efficiency	158 lm/W
Power consumption	105W
Max operation temperature	90°C

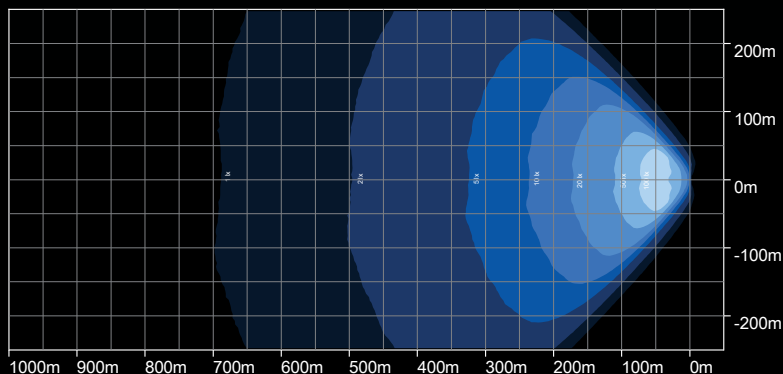
Specific specifications

Light output	11 400 lm
Efficiency	168 lm/W
Power consumption	68W
Max operation temperature	100°C

Specific specifications

Light output	14 000 lm
Efficiency	163 lm/W
Power consumption	80W
Max operation temperature	95°C





General specifications

Optical specifications

Light output	26 975 - 30 550 lm
Light output (raw leds)	36 120 lm
Efficiency	127 lm/W
CRI	> 70
Light angles	8° - 13° - 38° - 69° - 46x14° - 106x29°
Light beam colour	
	Cool white : 6500 K
	Neutral white : 4000 K
	Warm white : 2700 K

Electrical specifications

Power consumption	240W
Available drivers	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC

Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Operation temperature range	-30 ~ +50°C
Expected life span	60 500 hours to 80% brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	E-Coated Stainless Steel
Front cover material	UV coated polycarbonate
Colour	Titanium grey
Light angle adjustment	+/- 240° in 30° steps
Cable type	H07RN-F
Cable diameter	8.5 mm
Cable length	2m

Weight and packaging

Lamp weight	7.2 kg
Bracket weight	1.7 kg
Product dimensions	320 x 290 x 90 mm
Packaging dimensions	380 x 350 x 150 mm
Gross weight	10.1 kg

Warranty

Warranty	3 years
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Image shown is a render of the final model.

DCBright Proudly presents our newest product: the DCB Snapper. This lightweight, multiple headed and powerfull setup will be the missing link in the DCbright Range. The DCbright Snapper is a lightweighted lamp. this makes it easy to use at weight limited applications. The multiple lamps makes it possible to lit an area more evenly than before.

The DCB256 Snapper setup is Dutch Designed and we made sure this setup has the quality you expect from DCbright.

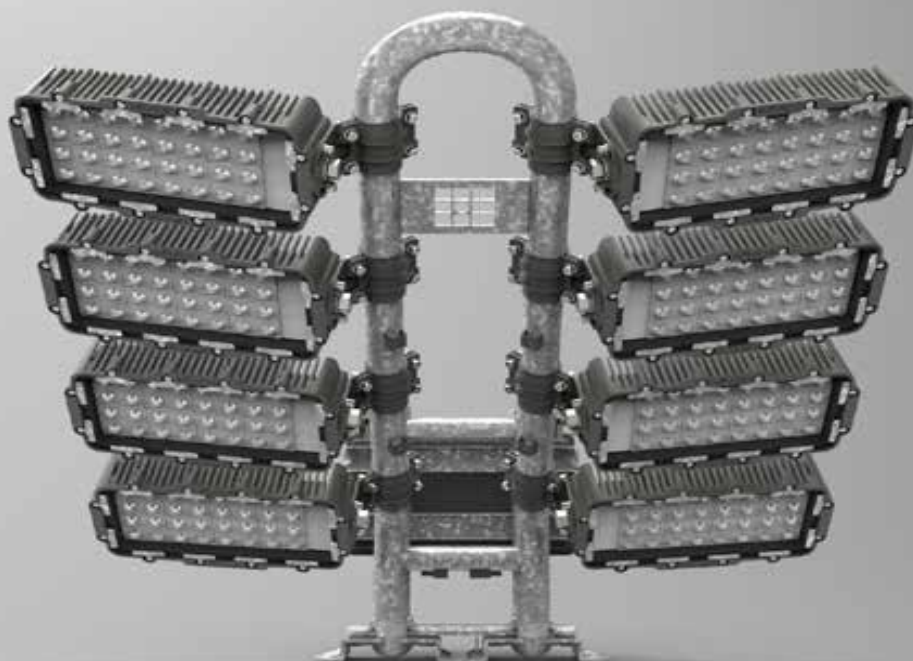


Image shown is a render of the final model.

DCB256 / 512 - Snapper

General specifications

Optical specifications

Light output up to	185 000 lm
Light output up to (raw leds)	390 000 lm
Efficiency up to	146 lm/W
CRI	> 70
Light angles	xxx°
Light beam colour	
	Cool white : 6500 K
	Neutral white : 4000 K
	Warm white : 2700 K

Weight and packaging

Individual lamp + clamp weight	2.9 kg
Bracket weight	7.4 kg
Simple bracket	2.0kg
Total weight	
	DCB256/512-1200 :25.2 kg (with remote driver simple bracket)
	DCB256/512-1200 :30.6 kg (with remote driver)
	DCB256/512-1200:37.1 kg (with driver)
Product dimensions	800 x 760 x 650 mm
Packaging dimensions	930 x 550 x 320 mm
Gross weight	34 kg

Electrical specifications

Available drivers	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC
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Lamp specifications

IP rating	IP66
Impact rating	IK07
Operation temperature range	-30 ~ +50°C
Expected life span	84 700 hours to 90% brightness, LM90
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	Galvanised ST12 steel + 2 layer e-coating
Front cover material	Tempered glass
Colour	Titanium grey
Lamp angle adjustment	Tilt -45° <-> 45° Rotation -60° <-> 60°
Bracket angle adjustment	Tilt -45° <-> 45°
Cable type	H07RN-F
Cable diameter	8.5 mm

Warranty

Warranty	5 years
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General specifications

Model : **DCB256-1200**

DCB512-1200

Optical specifications

Max light output	142 000 lm	167 000 lm
Max light output (raw leds)	208 000 lm	417 000 lm
Max Efficiency	118 lm/W	140 lm/W

Electrical specifications

Power consumption	150W x 8	150W x 8
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Image shown is a render of the final model.

General specifications

Optical specifications

Light output up to	150 000 lm
Light output up to (raw leds)	200 000 lm
Efficiency up to	125 lm/W
CRI	> 70
Light angles	xxx°
Light beam colour	
	Cool white : 6500 K
	Neutral white : 4000 K
	Warm white : 2700 K

Weight and packaging

Individual lamp + clamp weight	2.9 kg
Bracket weight	7.4 kg
Simple bracket	2.0kg
Total weight	
	DCB256/512-1200 : 19.4 kg (with remote driver simple bracket)
	DCB256/512-1200 : 24.8 kg (with remote driver)
	DCB256/512-1200 : 31.3 kg (with driver)
Product dimensions	800 x 760 x 650 mm
Packaging dimensions	930 x 550 x 320 mm
Gross weight	28.6 kg

DCB192 / 384 - Snapper

Electrical specifications

Available drivers	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC
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Lamp specifications

IP rating	IP66
Impact rating	IK07
Operation temperature range	-30 ~ +50°C
Expected life span	84 700 hours to 90% brightness, LM90
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	Galvanised ST12 steel + 2 layer e-coating
Front cover material	Tempered glass
Colour	Titanium grey
Lamp angle adjustment	Tilt -45° <-> 45° Rotation -60° <-> 60°
Bracket angle adjustment	Tilt -45° <-> 45°
Cable type	H07RN-F
Cable diameter	8.5 mm

Warranty

Warranty	5 years
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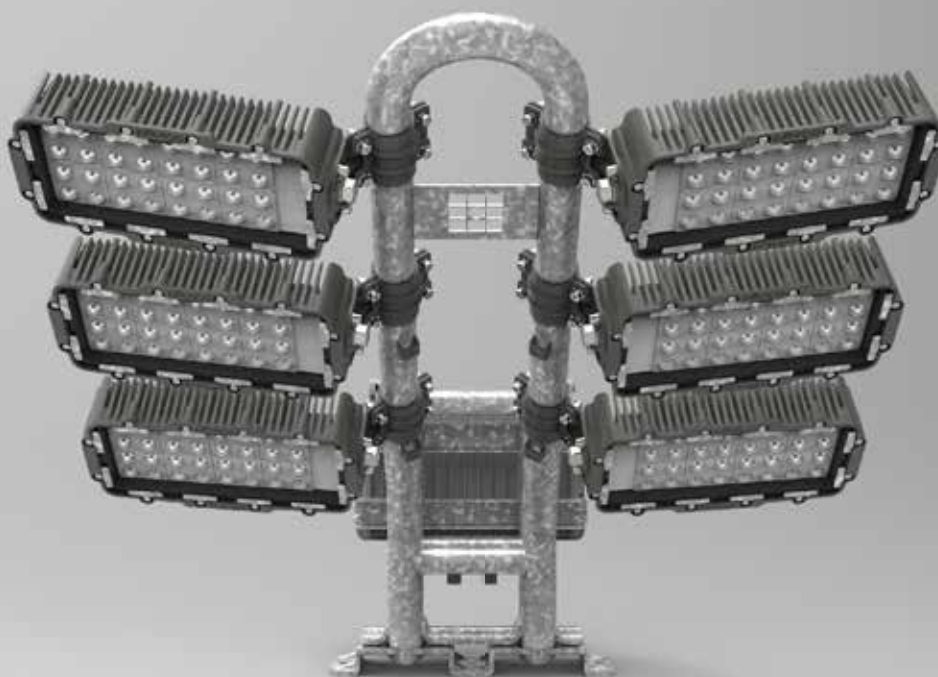


Image shown is a render of the final model.

General specifications

Model :	DCB192-1200H	DCB192-1000
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Optical specifications

Max light output	147 000 lm	114 000 lm
Max light output (raw leds)	240 000 lm	156 000 lm
Max Efficiency	122 lm/W	114 lm/W

Electrical specifications

Power consumption	190W x 6	165W x 6
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DCB32 / 64 / 96 +PS - Snapper

General specifications

Lamp specifications

IP rating	IP66
Impact rating	IK08
Operation temperature range	-30 ~ +50°C
Expected life span	60 500 Hours to 80% Brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	Galvanised ST12 steel + 2 layer e-coating
Front cover material	Tempered glass
Colour	Titanium grey
Lamp angle adjustment	Tilt -45° <-> 45°
Cable type	H07RN-F
Cable diameter	8.5 mm

Electrical specifications

Available drivers	90-305VAC / 127-431VDC 180-528VAC / 254-747VDC
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Optical specifications

CRI	> 70
Light angles	xxx°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K

Warranty

Warranty	5 years
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General specifications

Model :	DCB32-1 +ps	DCB32-2 +ps	DCB32-3 +ps
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Optical specifications

Max light output	18 800 lm	37 500 lm	56 300 lm
Max light output (raw leds)	24 864 lm	49 728 lm	74 592 lm
Max Efficiency	118 lm/W	118 lm/W	118 lm/W

Electrical specifications

Power consumption	160W	320W	480W
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Weight and packaging

Lamp weight	2.7 kg	5.4 kg	8.1 kg
Bracket weight	0.4 kg	0.55 kg	0.7 kg
Power supplier weight	3.2 kg	4.0 kg	4.8 kg
Product dimensions	320 x 230 x 230 mm inc. ps	320 x 360 x 250 mm inc. ps	320 x 510 x 250 mm inc. ps
Packaging dimensions	320 x 250 x 210 mm excl. ps	320 x 400 x 140 mm excl. ps	350 x 550 x 150 mm excl. ps
Gross weight	6.3 kg	10 kg	13.6 kg





Image shown is a render of the final model.

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DCB28 / 56 / 84 - Snapper

General specifications

Lamp specifications

IP rating	IP66
Impact rating	IK08
Operation temperature range	-30 ~ +50°C
Expected life span	60 500 Hours to 80% Brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	Galvanised ST12 steel + 2 layer e-coating
Front cover material	Tempered glass
Colour	Titanium grey
Lamp angle adjustment	Tilt -45° <-> 45°
Cable type	H07RN-F
Cable diameter	8.5 mm
Cable lenght	2 m

Electrical specifications

Available voltage	24V
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Optical specifications

CRI	> 70
Light angles	xxx°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K

Warranty

Warranty	5 years
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General specifications

Model :	DCB28	DCB28-2	DCB28-3
Optical specifications			
Max light output	18 800 lm	37 500 lm	56 300 lm
Max light output (raw leds)	24 864 lm	49 728 lm	74 592 lm
Max Efficiency	118 lm/W	118 lm/W	118 lm/W
Electrical specifications			
Power consumption	160W	320W	480W
Weight and packaging			
Lamp weight	2.7 kg	5.4 kg	8.1 kg
Bracket weight	0.4 kg	0.55 kg	0.7 kg
Product dimensions	320 x 210 x 160 mm	320 x 360 x 180 mm	320 x 510 x 180 mm
Packaging dimensions	320 x 250 x 150 mm	320 x 400 x 150 mm	350 x 550 x 150 mm
Gross weight	3.1 kg	6.0 kg	8.8 kg



Image shown is a render of the final model.

General specifications

Lamp specifications

IP rating	IP67 (inc IP66 high pressure washable)
Impact rating	IK09
Operation temperature range	-30 ~ +50°C
Expected life span	DCB9-60 : 60 500 Hours to 80% Brightness, LM80 DCB9-45 : 66 500 Hours to 90% Brightness, LM90 DCB6-45 : 60 500 Hours to 80% Brightness, LM80
Lamp body material	Aluminium alloy, (conversion coating & 2 layers titanium based e-coating)
Lamp bracket material	Stainless steel + 2 layer E-coating
Front cover material	UV coated polycarbonate / Safety glass
Colour	Titanium grey
Lamp angle adjustment	Move freely
Connection	Deutsch plug

Warranty

Warranty	5 years
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Optical specifications

CRI	> 70
Light angles	8° - 13° - 38° - 69° - 46x14°
Light beam colour	Cool white : 6500 K Neutral white : 4000 K Warm white : 2700 K

Weight and packaging

Lamp weight	2.9 kg
Bracket weight	0.2 kg
Product dimensions	150 x 122 x 115 mm
Packaging dimensions	200 x 172 x 165 mm
Gross weight	3.1 kg



DCB9-45

Optical specifications

Light output	5 576 lm
Light output (raw leds)	6 700 lm
Efficiency	124 lm/W

Electrical specifications

Power consumption	45W
Normal voltage	24V
Voltage range	20 ~ 35V

DCB9-60

DCB6-45A

DCB6-45B

DCB9-60AC

Optical specifications

Light output	6 800 lm
Light output (raw leds)	8 200 lm
Efficiency	113 lm/W

Electrical specifications

Power consumption	60W
Normal voltage	24V
Voltage range	20 ~ 35V

Optical specifications

Light output	5 000 lm
Light output (raw leds)	7 500 lm
Efficiency	116 lm/W

Electrical specifications

Power consumption	45W
Normal voltage	12V
Voltage range	10-35V

Optical specifications

Light output	5 000 lm
Light output (raw leds)	7 500 lm
Efficiency	116 lm/W

Electrical specifications

Power consumption	45W
Normal voltage	24V
Voltage range	20-35V

Optical specifications

Light output	6 800 lm
Light output (raw leds)	8 200 lm
Efficiency	113 lm/W

Electrical specifications

Power consumption	60W
Normal voltage	110-270V
Frequency	50Hz





DCB Switchbox

General specifications

4 channel switch box

Operation voltage	20 ~ 32V
Standby current	7,5mA
Max input current	50A
Channels	4 x 15A high side

6 channel switch box

Operation voltage	20 ~ 32V
Standby current	7,5mA
Max input current	100A
Channels	6 x 15A high side

8 channel switch box

Operation voltage	20 ~ 32V
Standby current	7,5mA
Max input current	150A
Channels	8 x 15A high side

Motor start / stop switch box

Operation voltage	10 ~ 16V
Standby current	7,5mA
Started motor solenoid	50A (output)
Hold start / stop solenoid	5A (output)
Start / stop solenoid	50A (output)

Warranty

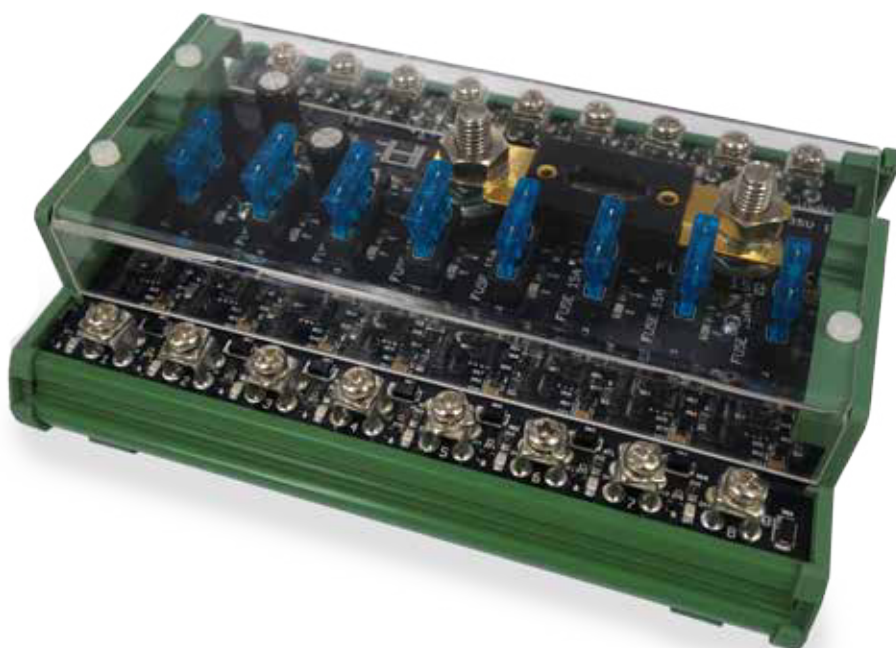
Warranty	5 years
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Switchbox specifications

- One fuse per channel
- Input fused
- Solid state switching (no wear, long lasting)
- Switch on the high end (+line)
- Reduces complexity on electric system (compared to relays)
- Din rail mounted
- 12V version available

Product dimensions 162 x 125 x 58 mm

Product weight 0.45 kg



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Contact us for the latest information

