JEL PRODUCTS
SUSTAINABLE | LIGHTING | SOLUTIONS

COLLECTED TECHNICAL DATASHEETS

Snapper

One compact platform in four documents: the standard aluminium version, solid 316L, the high temperature build to +120 °C including the chemically resistant HT-CHEM, and the modular HC with two and three modules on one bracket.

DATASHEETS	OUTPUT RANGE	POWER	TYPE
4	7,000 to 83,000 lm	35 to 180 W	Compact industrial LED floodlight



Snapper | Snapper SS | Snapper HT | Snapper HC

Contents

Every datasheet in this document has the same five sections: what it is and where it is used, the light output and the optics, the full specification, the mechanics and the driver, and the ordering information. The page numbers run through the whole document.

THE DATASHEETS IN THIS DOCUMENT

2	**Snapper**	**31,000 lm luminous flux · 180 W power** One of the best lumen per kilogram ratios on the market: 31,000 lumens from a 3.1 kg cast aluminium housing.
7	**Snapper SS**	**26,000 lm luminous flux · 180 W power** The Snapper in solid 316L stainless steel: 26,000 lumens at 180 W in a 7.0 kg housing, with twenty years of warranty on the housing.
12	**Snapper HT**	**7,000 lm luminous flux · 35 W power** 7,000 lumens at 35 watts and an ambient temperature of +120 °C, which is 200 lumens per watt.
18	**Snapper HC**	**83,000 lm luminous flux · 12.6 kg weight** The highest light output per kilogram in the JEL range: 83,000 lumens at 12.6 kg, in one, two or three cast modules on a single bracket.

HOW TO READ THIS DOCUMENT

This is the complete set for one product. Every version has its own datasheet with the same five sections, so a specification can be compared line by line between the versions without opening a second document.

The photometry is measured per optic and the IES files are on the product page. Where a figure depends on the build, the specification states the condition next to it rather than in a footnote.

WHAT IS NOT IN THIS DOCUMENT

Higher output	The Barracuda and the Orca, on the same accessory line

LIGHTWEIGHT LED FLOODLIGHT

Snapper



Shown: Snapper AC, titanium-based e-coating, 15° lens, high tensile 316L bracket.

CE · IP68 · IK08 · Class II · C5 ISO 9223 · Ta −45 … +50 °C · 90–305 VAC · 24 VDC · DALI-2 · 0–10 V · PWM · NFC · Vibration 6 G · ULOR 0 % · 5-year warranty

One of the best lumen per kilogram ratios on the market: 31,000 lumens from a 3.1 kg cast aluminium housing. The Snapper puts a full industrial lumen package on structures that were never designed to carry one, which is what most retrofits actually need.

LUMINOUS FLUX	POWER	EFFICACY
31,000 lm	180 W	173 lm/W
WEIGHT	**INGRESS**	**IMPACT**
3.1 kg	IP68	IK08

Values apply to the standard version at 6500 K, Ta 25 °C, including lens losses and driver consumption. 6500 K delivers the same luminous flux as 4000 K.

WHY IT IS SPECIFIED

Mass is a specification, not a detail. A retrofit rarely comes with a new bracket. At 3.1 kg the Snapper goes onto the structure that is already there, which removes the structural check and the crane from the job.

173 lm per watt from a sealed housing. No vents and no fan. Everything that keeps salt out stays out and everything that cools the LED is passive, so the figure holds for the life of the installation.

Nine versions on one housing. Aluminium AC and DC, 316L in AC and DC, and five high temperature versions to +120 °C. One product covers a hot process, a wet process, a vehicle and a yard.

WHERE IT IS USED

- Retrofit of discharge floodlights on existing brackets
- Crane booms and hoisting equipment
- Excavators, service vehicles and mobile plant
- Vessel deck and working area lighting
- Offshore platforms and jack up rigs
- Mobile light towers on 24 V DC
- Fish farm and aquaculture platforms
- Temporary and project site lighting
- Scaffolding and shutdown lighting
- Loading bays and yard lighting
- Workshops and vehicle bays
- Perimeter and fence line lighting

VERSIONS

	Snapper AC	DC 24 V
Article base code	SNAC01	SNDC01
Luminous flux	31,000 lm	25,000 lm
Power	180 W	150 W
Efficacy	173 lm/W	168 lm/W
Supply	90–305 VAC	20–35 VDC
Driver	Remote BLD240	On board
Weight incl. bracket	3.1 kg	3.1 kg

Also available as the **Snapper SS** in solid 316L stainless steel and as the **Snapper HT** to +120 °C, including a 316L and a chemically resistant version. Separate datasheets. The **Snapper HC** is the same module in a two or three module housing, up to 83,000 lm.

Light output and optics

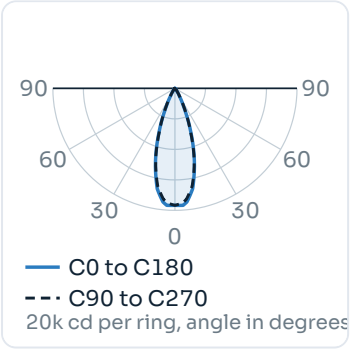
Values apply to the standard configuration at Ta 25 °C and include lens losses and driver consumption. Photometry is measured in house to IES LM-79 and the files are downloadable per optic from the product page.

BEAM CHARACTERISTICS

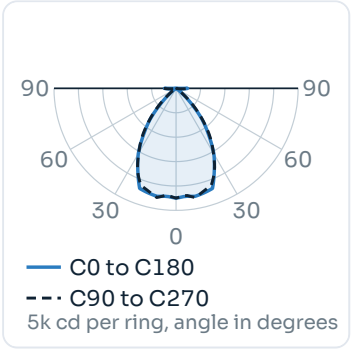
Lens	Distribution	Beam angle 50 % of peak	Field angle 10 % of peak	Typical use
15°	Spot, symmetric	–	–	Very long throw: masts, crane booms, stockpiles
30°	Medium, symmetric	36°	58°	Long throw beyond 25 m: yards, quays, decks
60°	Wide, symmetric	71°	97°	Up to around 25 m: aprons, work areas, high bay
90°	Very wide, symmetric	102°	122°	Close range over a wide field: low bay, machine areas
20° × 50° and 20° × 85°	Asymmetric	–	–	Quays, aprons and long aisles, keeps spill off the water

The beam angle is the full angle between the two directions where the intensity has fallen to 50 % of the peak. The field angle uses 10 %. The aluminium Snapper uses off the shelf optics rather than a proprietary set, so the choice is effectively unlimited; the 316L version uses the standard JEL optics of 14°, 38°, 69° and 14° × 46°. The 15°, 20° × 50° and 20° × 85° optics are supplied but not yet in the measured library and the file is issued with the quotation.

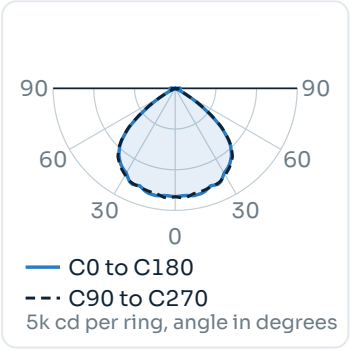
LIGHT DISTRIBUTION



30° medium



60° wide



90° very wide

OBTRUSIVE LIGHT

ULOR at 0° tilt	**0 %**
Amber 2200 K	Available on every optic, for light sensitive surroundings
Bi-colour 4000 K with amber 2200 K	Switchable in operation, for fog, dust and night regimes

Nothing is emitted above the horizontal at 0° tilt. That is the figure a permitting authority asks for when a site borders a residential area or a protected zone, and it is the starting point for any assessment against NEN-EN 12464-2 and the NSVV guidance on obtrusive light. Where the site condition demands a cut off optic rather than a controlled floodlight, see the DarkLicht range.

COLOUR AND CONSISTENCY

Colour temperatures	6500 K, 5000 K, 4000 K, 2700 K, amber 2200 K
Flux at 6500 K	Identical to 4000 K
Bi-colour	4000 K with amber 2200 K, switchable in operation
Colour rendering	Ra > 70 standard, optionally 80 or 90
Colour consistency	MacAdam step 3 or better
LED service life	TM-21 L90B05 > 360,000 h at 50 °C

Full specification

All values apply to the standard configuration at 25 °C ambient, including lens losses and driver consumption. A hyphen means the entry does not apply to that version.

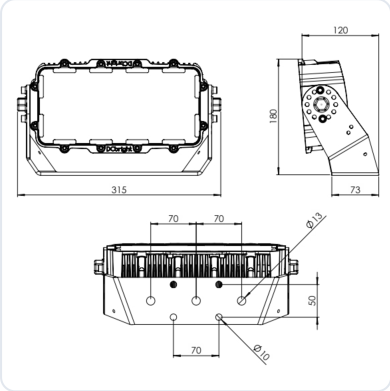
	Snapper AC	Snapper DC 24 V
PERFORMANCE		
Luminous flux	31,000 lm	25,000 lm
Power consumption	180 W	150 W
Efficacy	173 lm/W	168 lm/W
ELECTRICAL AND DRIVER		
Supply voltage range	90–305 VAC via BLD240, 50/60 Hz	20–35 VDC, 24 V nominal
Current draw	1.7 A at 110 V · 0.8 A at 220 V	6.3 A at 24 V
Power factor at full load	> 0.95 at 60 to 100 % load	-
THD at full load	< 15 % at 65 to 100 % load	-
Inrush current at 220 V	66.0 A peak, T50 0.5 ms	-
Luminaires per MCB	B16 3 · C16 6 · C25 9 · D16 10	-
Surge protection	6 kV line to line, 10 kV line to earth (IEC 61000-4-5)	-
Dimming	0–10 V, PWM, DALI-2, or over NFC	On request
Driver	Remote BLD240, 215 × 67.5 × 33.5 mm, 1,100 g. Fits the DRB-1	DC drivers on board
Driver life	≥ 100,000 h at Tc 75 °C, MTBF ≥ 280,000 h. Replaced without opening the luminaire	-
CONSTRUCTION		
Housing	Cast aluminium, less than 0.08 % copper	
Surface finish	Conversion layer plus 2-layer titanium-based e-coating	
Colour	Titanium Black	
Bracket	High tensile 316L stainless steel, fully rotatable through 360° in 30° steps	
Front	Impact resistant glass, IK08	
Protection class	Class II	
Ingress protection	IP66, IP67 and IP68, each class tested separately	
Impact resistance	IK08 (IEC 62262)	
Corrosion class	C5 industrial and marine (ISO 9223)	
Vibration and shock	6 G at resonant frequency (IEC 60068-2-6), shock tested to IEC 60068-2-27	
DURABILITY AND DIMENSIONS		
Ambient temperature	−45 to +50 °C	−45 to +50 °C
LED service life	TM-21 L90B05 > 360,000 h at 50 °C, so the driver is the wear part	
Cable and termination	H07BQ-F, 4 cores (2 × 2.5 mm² + 2 × 0.5 mm²), 2.0 m	H07BQ-F, 2 cores (2 × 2.5 mm²), 2.0 m
Dimensions	307.6 × 180.7 × 118.2 mm including bracket	
Weight	3.1 kg incl. bracket, 2.7 kg housing only	3.1 kg incl. bracket
Warranty	5 years on the complete luminaire	

Power is a driver setting. Every AC version can be ordered programmed to a lower wattage by adding the wanted power as a suffix to the article code. DC versions run at a fixed constant current, so another power level there is a custom build. High voltage DC between 250 and 740 V is available on request.

Mechanics, mounting and driver

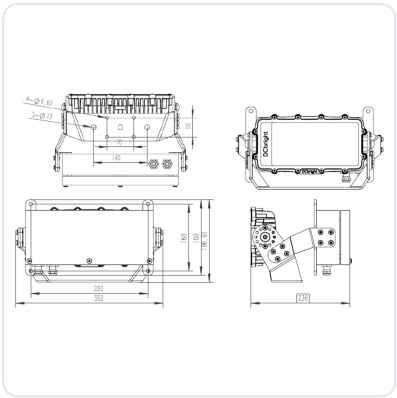
All drawings are to scale and dimensioned in millimetres. DXF and STEP models are available on request.

STANDARD BRACKET



Incl. bracket	307.6 × 180.7 × 118.2 mm
Weight	3.1 kg with bracket, 2.7 kg housing
Material	High tensile 316L stainless steel
Adjustment	360° in 30° steps, twelve positions
Retrofit	Fits most existing discharge floodlight footprints
Structural check	Rarely needed at this mass

REAR MOUNT BRACKET



Availability	AC version, flat against a structure
Material	High tensile 316L
Cable entry	Through the mounting plate
SS version	SS rear mount for the Snapper SS
Crane mounting	Crane Light Stabilizer, separate datasheet

MOUNTING AND ACCESSORIES

Standard bracket	High tensile 316L, supplied as standard
Rear mount bracket	Option on the AC version
Safety cable	Optional, supplied with the luminaire
Cable and retrofit brackets	Lengths beyond 2.0 m and structure specific brackets on request
Higher output	Snapper HC x2 and x3 on the same platform

REMOTE DRIVER

Type	BLD240, 90–305 VAC
Case temperature	Tc −40 to +90 °C
Lifetime	≥ 100,000 h at Tc 75 °C
MTBF	≥ 280,000 h at 75 °C case
Size and weight	215 × 67.5 × 33.5 mm, 1,100 g
Enclosure	Bare as standard, or in the DRB-1

The LEDs outlive three drivers. The driver sits outside the luminaire and is replaced without opening the housing, so a driver fault is a ground level job instead of a lift and a dismantled luminaire.

DRB DRIVER BOXES



Use	Optional housing for the remote driver, mounted outside the wash-down zone
DRB-1	One driver up to 320 W. 276 × 194 × 86.5 mm, 4.2 kg, IP66 and IP67
DRB-2	Systems up to 2,000 W. 441 × 290 × 145 mm, 10.4 kg, IP66 and IP67
Ingress protection	IP66 and IP67
System weight	7.3 kg, luminaire with bracket and DRB-1

Ordering, standards and documents

ORDER CODE

Example **SNAC01-65K.30**

Snapper, AC, 6500 K, 30° optic

SNAC01	AC, 90–305 VAC, remote BLD240
SNDC01	DC, 20–35 VDC, drivers on board
SNSS01 · SNSS02	316L stainless steel, AC and DC
SNHT01 … SNHT05	High temperature, aluminium, 316L and chemically resistant
65K · 50K · 40K · 27K · 22K	6500 K · 5000 K · 4000 K · 2700 K · amber 2200 K
.15 · .30 · .60 · .90 · .20x50 · .20x85	Optic suffix, aluminium versions

The optic suffix follows the colour temperature and a lower wattage is ordered as an extra suffix. The 316L versions use the standard JEL optics of 14°, 38°, 69° and 14° × 46°.

COMBINATIONS

Optics within one luminaire	Possible
Amber 2200 K with asymmetric optic	Possible
Bi-colour with DALI-2	Possible
Rear mount bracket	AC version only
IK10 front	See the Barracuda or the Shark

STANDARDS AND VERIFICATION

Subject	Standard	Verification
Luminaire safety	IEC/EN 60598-1, -2-5	In-house test
EMC emission and immunity	EN 55015, EN 61547	Third party test
Ingress	IEC 60529 and ISO 20653. IP66, IP67, IP68	In-house test
Impact and vibration	IEC 62262 IK08 · IEC 60068-2-6 at 6 G	In-house test
Shock and corrosion	IEC 60068-2-27 · ISO 9223 class C5, industrial and marine	In-house test
Photometry	IES LM-79, IES files per optic	In-house test
Substances	RoHS, REACH	Self-declaration

BEFORE YOU ORDER

A sample luminaire to hang before you commit to a project quantity.

Five years warranty on the complete luminaire.

A DIALux calculation from our engineers, on your site drawing.

PRODUCT PAGE

IES files and revision history, DXF and STEP on request, and project references.
jelproducts.nl/en/products/snapper

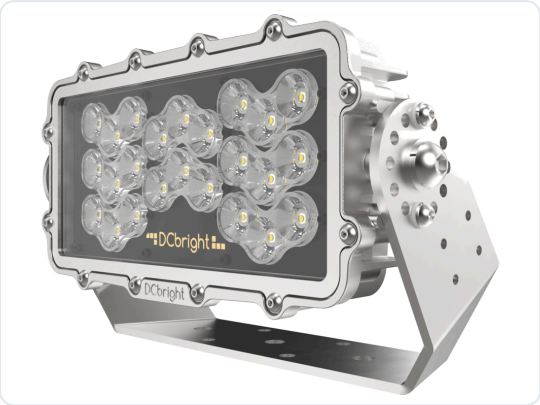
WHERE IT EARNS ITS PLACE

The Snapper earns its place on structures that already exist. Most industrial lighting projects are not new builds, they are replacements on brackets, masts and booms that were dimensioned for something else decades ago. A luminaire that fits those positions without a structural argument gets installed. One that does not gets postponed.

Notes. Values are for the standard configuration; a bi-colour or high-CRI build changes the luminous flux and the quotation states the figure that applies. Luminaires per MCB is the manufacturer figure for ABB S200 at 220 V, a guide for engineering and not a substitute for the installation calculation. North American models on request. The JEL range is not ATEX or Ex certified.

LIGHTWEIGHT LED FLOODLIGHT

Snapper SS



Shown: Snapper SS, electrolytically polished 316L, 14° lens.

CE | IP69K | IK08 | Class II | 316L stainless steel | C5 and CX ISO 9223 | Ta −45 … +50 °C | 90–305 VAC | 24 VDC | DALI-2 · 0–10 V · PWM · NFC | Vibration 6 G | 20-year housing warranty

The Snapper in solid 316L stainless steel: 26,000 lumens at 180 W in a 7.0 kg housing, with twenty years of warranty on the housing. The only version of the Snapper that carries IP69K, for marine, offshore and chemical positions where a coating is the weak point.

LUMINOUS FLUX	POWER	HOUSING
26,000 lm	180 W	316L
CORROSION	**INGRESS**	**HOUSING WARRANTY**
C5 and CX	IP69K	20 yr

Values apply to the standard version at 6500 K, Ta 25 °C, including lens losses and driver consumption. 6500 K delivers the same luminous flux as 4000 K.

WHY IT IS SPECIFIED

Twenty years of warranty on the housing. Solid 316L, electrolytically polished. Corrosion resistance is a material property, not a coating thickness.

The only Snapper with IP69K. The aluminium versions are IP66, IP67 and IP68. The 316L version adds the high pressure steam jet test, which is what a washdown regime actually applies.

7.0 kg, still a light luminaire. A stainless steel housing normally means a structural conversation. At 7.0 kg this one usually does not.

WHERE IT IS USED

- Offshore platforms and jack up rigs
- Vessel decks and working areas
- Chemical and fertiliser plant
- Water and waste water treatment
- Food and beverage process areas
- Fish farms and aquaculture
- Splash zones and permanent salt spray
- Washdown and cleaning regimes
- Coastal terminals and jetties
- Desalination and brine handling
- Cold stores and freezer plant
- Any position where a coating cannot be repaired

VERSIONS

	Snapper SS AC	Snapper SS DC
Article base code	SNSS01	SNSS02
Luminous flux	26,000 lm	22,000 lm
Power	180 W	150 W
Efficacy	144 lm/W	147 lm/W
Supply	90–305 VAC	20–35 VDC
Weight incl. bracket	7.0 kg	7.0 kg
Warranty	20 years housing, 5 years electrical	20 years housing, 5 years electrical

A 316L high temperature version and a chemically resistant HT-CHEM version are covered by the **Snapper HT** datasheet.

Light output and optics

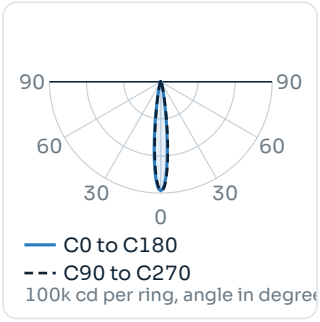
Values apply to the standard configuration at Ta 25 °C and include lens losses and driver consumption. Photometry is measured in house to IES LM-79 and the files are downloadable per optic from the product page.

BEAM CHARACTERISTICS

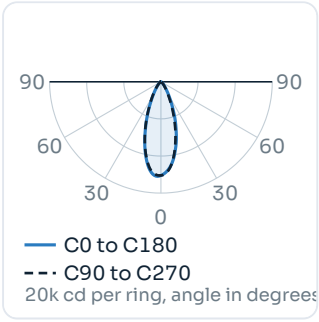
Lens	Distribution	Beam angle 50 % of peak	Field angle 10 % of peak	Typical use
14°	Spot, symmetric	13°	27°	Very long throw, beyond 80 m: masts, booms, stockpiles
38°	Medium, symmetric	37°	69°	Long throw beyond 25 m: decks, quays, yards
69°	Wide, symmetric	72°	103°	Up to around 25 m: process areas, platforms, work areas
14° × 46°	Flare, asymmetric	13° × 45°	30° × 70°	Throws far forward and stays wide across: jetties, quay edges

The 316L version uses the standard JEL optics that run through the whole floodlight range, so a site can mix a Snapper SS with a Barracuda or an Orca and keep one photometric behaviour. The aluminium Snapper uses a different, off the shelf optic range; that difference is deliberate and follows from the housing.

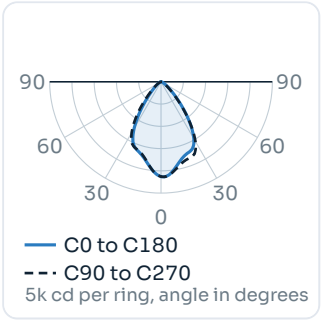
LIGHT DISTRIBUTION



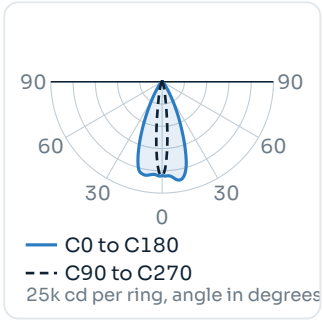
14° spot



38° medium



69° wide



14° × 46° flare

OBTRUSIVE LIGHT

ULOR at 0° tilt	**0 %**
Amber 2200 K	Available on every optic, for light sensitive surroundings
Bi-colour 4000 K with amber 2200 K	Switchable in operation, for fog, dust and night regimes

Nothing is emitted above the horizontal at 0° tilt. That is the figure a permitting authority asks for when a site borders a residential area or a protected zone, and it is the starting point for any assessment against NEN-EN 12464-2 and the NSVV guidance on obtrusive light. Where the site condition demands a cut off optic rather than a controlled floodlight, see the DarkLicht range.

COLOUR AND CONSISTENCY

Colour temperatures	6500 K, 5000 K, 4000 K, 2700 K, amber 2200 K
Flux at 6500 K	Identical to 4000 K
Bi-colour	4000 K with amber 2200 K, switchable in operation
Colour rendering	Ra > 70 standard, optionally 80 or 90
Colour consistency	MacAdam step 3 or better
LED service life	TM-21 L90B05 > 360,000 h at 50 °C

Full specification

All values apply to the standard configuration at 25 °C ambient, including lens losses and driver consumption. A hyphen means the entry does not apply to that version.

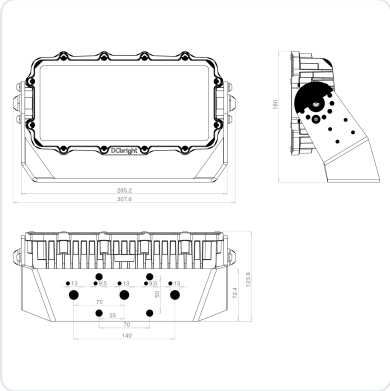
	Snapper SS AC	Snapper SS DC
PERFORMANCE		
Luminous flux	26,000 lm	22,000 lm
Power consumption	180 W	150 W
Efficacy	144 lm/W	147 lm/W
ELECTRICAL AND DRIVER		
Supply voltage range	90–305 VAC via BLD240, 50/60 Hz	20–35 VDC, 24 V nominal
Current draw	1.7 A at 110 V · 0.8 A at 220 V	6.3 A at 24 V
Power factor at full load	> 0.95 at 60 to 100 % load	-
THD at full load	< 15 % at 65 to 100 % load	-
Inrush current at 220 V	66.0 A peak, T50 0.5 ms	-
Luminaires per MCB	B16 3 · C16 6 · C25 9 · D16 10	-
Surge protection	6 kV line to line, 10 kV line to earth (IEC 61000-4-5)	-
Dimming	0–10 V, PWM, DALI-2, or over NFC	On request
Driver	Remote BLD240, fits the DRB-1	DC drivers on board
CONSTRUCTION		
Housing	Solid 316L stainless steel	
Surface finish	Electrolytically polished	
Bracket	High tensile 316L stainless steel, fully rotatable through 360° in 30° steps	
Front	Impact resistant glass, IK08	
Protection class	Class II	
Ingress protection	IP66, IP67, IP68 and IP69K, each class tested separately	
Impact resistance	IK08 (IEC 62262)	
Corrosion class	C5 and CX (ISO 9223). 316L is CRC III to EN 1993-1-4 at a PREN of approximately 24	
Vibration and shock	6 G at resonant frequency (IEC 60068-2-6), shock tested to IEC 60068-2-27	
DURABILITY AND DIMENSIONS		
Ambient temperature	−45 to +50 °C	−45 to +50 °C
LED service life	TM-21 L90B05 > 360,000 h at 50 °C	
Cable and termination	H07BQ-F, 4 cores (2 × 2.5 mm² + 2 × 0.5 mm²), 2.0 m	H07BQ-F, 2 cores (2 × 2.5 mm²), 2.0 m
Dimensions	307.6 × 180.0 × 123.8 mm including bracket	
Weight	7.0 kg incl. bracket	7.0 kg incl. bracket
Warranty	20 years on the housing. 5 years on the electronics, the components and the seals	

Power is a driver setting. Every AC version can be ordered programmed to a lower wattage by adding the wanted power as a suffix to the article code. DC versions run at a fixed constant current, so another power level there is a custom build. High voltage DC between 250 and 740 V is available on request.

Mechanics, mounting and driver

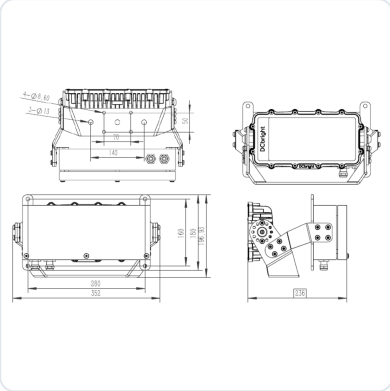
All drawings are to scale and dimensioned in millimetres. DXF and STEP models are available on request.

STANDARD BRACKET



Incl. bracket	307.6 × 180.0 × 123.8 mm
Weight	7.0 kg with bracket
Material	High tensile 316L stainless steel
Adjustment	360° in 30° steps, twelve positions
Finish	Electrolytically polished, no coating to damage
Aluminium equivalent	3.1 kg, see the Snapper datasheet

SS REAR MOUNT BRACKET



Availability	AC version, flat against a structure
Material	316L stainless steel
Cable entry	Through the mounting plate
Fasteners	316L throughout
Crane mounting	Crane Light Stabilizer, separate datasheet

MOUNTING AND ACCESSORIES

Standard bracket	High tensile 316L, supplied as standard
SS rear mount bracket	Option on the AC version
Safety cable	Optional, supplied with the luminaire
Cable	Lengths beyond 2.0 m on request, same H07BQ-F type
High temperature in 316L	See the Snapper HT datasheet

REMOTE DRIVER

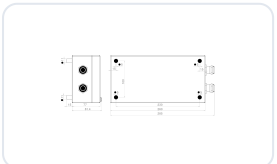
Type	BLD240, 90–305 VAC
Case temperature	Tc −40 to +90 °C
Lifetime	≥ 100,000 h at Tc 75 °C
MTBF	≥ 280,000 h at 75 °C case
Size and weight	215 × 67.5 × 33.5 mm, 1,100 g
Enclosure	Bare as standard, or in the DRB-1

The LEDs outlive three drivers. The driver sits outside the luminaire and is replaced without opening the housing, so a driver fault is a ground level job instead of a lift and a dismantled luminaire.

DRB DRIVER BOXES



Aluminium DRB



316L Power Box BLD075

Use	Optional housing for the remote driver, mounted outside the wash-down zone
DRB-1	One driver up to 320 W. 276 × 194 × 86.5 mm, 4.2 kg, IP66 and IP67
DRB-2	Systems up to 2,000 W. 441 × 290 × 145 mm, 10.4 kg, IP66 and IP67
316L Power Box	Power Box BLD075, solid 316L, 260 × 130 × 80 mm. For the same driver as the DRB, chosen where the box sits in the same wash-down or salt zone as the luminaire
Ingress protection	IP66 and IP67
System weight	11.2 kg, luminaire with bracket and DRB-1

Ordering, standards and documents

ORDER CODE

Example **SNSS01-65K.38**

Snapper SS, AC, 6500 K, 38° optic

SNSS01	316L, AC, 90–305 VAC, remote BLD240
SNSS02	316L, DC, 20–35 VDC, drivers on board
65K · 50K · 40K · 27K · 22K	6500 K · 5000 K · 4000 K · 2700 K · amber 2200 K
BIC	Bi-colour 4000 K with amber 2200 K
.14 · .38 · .69 · .14x46	Optic suffix, standard JEL optics

The optic suffix follows the colour temperature. Bracket, control protocol and cable length are confirmed at order and are not part of the code.

COMBINATIONS

Optics within one luminaire	Possible
Amber 2200 K with flare optic	Possible
Bi-colour with DALI-2	Possible
SS rear mount bracket	AC version only
Chemical resistance	See the Snapper HT-CHEM
IK10 front	See the Barracuda SS

STANDARDS AND VERIFICATION

Subject	Standard	Verification
Luminaire safety	IEC/EN 60598-1, -2-5	In-house test
EMC emission and immunity	EN 55015, EN 61547	Third party test
Ingress	IEC 60529 and ISO 20653. IP66, IP67, IP68, IP69K	In-house test
Impact and vibration	IEC 62262 IK08 · IEC 60068-2-6 at 6 G	In-house test
Shock and corrosion	IEC 60068-2-27 · ISO 9223 class C5, industrial and marine	In-house test
Photometry	IES LM-79, IES files per optic	In-house test
Substances	RoHS, REACH	Self-declaration

BEFORE YOU ORDER

A sample luminaire to hang before you commit to a project quantity.

Twenty years warranty on the housing, five years on the electronics.

A DIALux calculation from our engineers, on your site drawing.

PRODUCT PAGE

IES files and revision history, DXF and STEP on request, and project references.
jelproducts.nl/en/products/snapper

WHERE IT EARNS ITS PLACE

Sea water, chlorides and process chemistry do not attack a luminaire, they attack its coating. The Snapper SS removes the coating from the argument: solid 316L, electrolytically polished, with twenty years of warranty on the housing, at the cost of four kilograms over the aluminium version.

Notes. Values are for the standard configuration; a bi-colour or high-CRI build changes the luminous flux and the quotation states the figure that applies. Luminaires per MCB is the manufacturer figure for ABB S200 at 220 V, a guide for engineering and not a substitute for the installation calculation. North American models on request. The JEL range is not ATEX or Ex certified.

HIGH TEMPERATURE LED FLOODLIGHT

Snapper HT



Shown: Snapper HT, chemically hardened glass front, remote driver box.

CE | IP69K | IK08 | Class II | Ta −45 … +120 °C | C5 and CX ISO 9223 | 90–305 VAC | 24 VDC | silicone cable to 25 m | borosilicate option | 316L and HT-CHEM | remote driver

7,000 lumens at 35 watts and an ambient temperature of +120 °C, which is 200 lumens per watt. High temperature luminaires normally cost efficacy, because the usual approach is to derate a standard product until it survives. This one is designed for the condition.

LUMINOUS FLUX	POWER	EFFICACY
7,000 lm	35 W	200 lm/W
AMBIENT	**INGRESS**	**CABLE RUN**
+120 °C	IP69K	25 m

Values apply at 6500 K and the stated ambient temperature, including driver consumption. Bi-colour and amber are not available on the high temperature versions.

WHY IT IS SPECIFIED

The driver leaves the hot zone. Electrolytic capacitors are what fail in heat. The driver sits outside the zone and is connected with heat resistant silicone cable, up to 25 m on the aluminium AC version.

200 lm per watt at +120 °C. This is the most efficient luminaire in the high temperature range and it is the figure that decides whether a hot process gets proper light or a compromise.

Five versions, including 316L and HT-CHEM. Aluminium AC and DC, 316L AC and DC, and a chemically resistant 316L build for process environments where stainless steel alone is not enough.

WHERE IT IS USED

- Drying ovens and curing tunnels
- Paint lines and powder coating booths
- Bakery and food process ovens
- Heat treatment and forging shops
- Foundry and melt shop service positions
- Glass works and annealing lehrs
- Paper machine drying sections
- Climate and test chambers
- Sterilisation and autoclave rooms
- Chemical reactors and process skids
- Asphalt and bitumen plant

VERSIONS

	Alu	316L	CHEM
Code	SNHT01·02	SNHT03·04	SNHT05
Supply	AC and DC	AC and DC	AC
Flux	7,000 lm	7,000 lm	7,000 lm
Ambient	+120 °C	+120 °C	+120 °C
Weight	3.1 kg	7.0 kg	7.0 kg

HT optics are not possible on the Snapper: the housing is too small. All versions are 120° very wide. For high temperature with optics see the **Barracuda HT**.

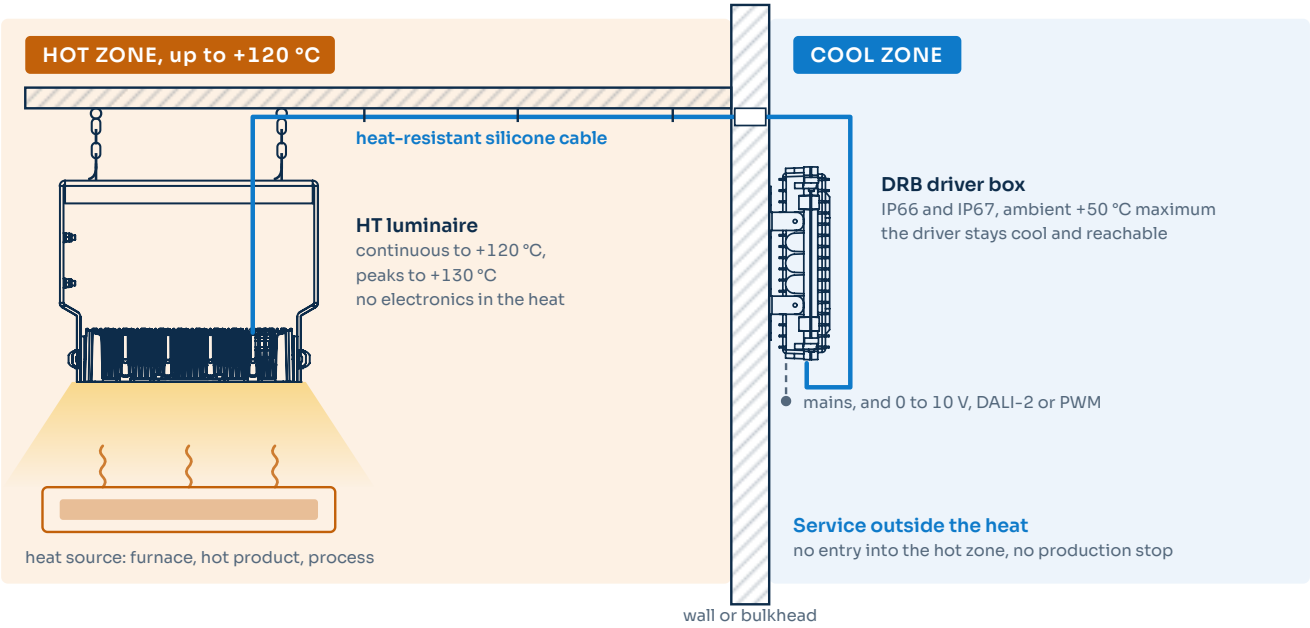
The HT system

Engineered as a system for heat, not as a luminaire that tolerates it.

Standard industrial LED luminaires are specified to roughly +50 °C ambient. Above that the driver electronics fail first: in virtually every failure of LED lighting in a hot environment, the driver is the weak link. Every installation in the HT line therefore consists of two parts. The heat resistant luminaire sits in the hot zone and the driver sits outside it, supplied bare as standard or built into a DRB driver box, joined by heat resistant silicone cable. Nothing that fails at temperature is left in the heat.

+120 °C continuous, with full warranty	**+130 °C** short peaks permitted	**25 m** heat-resistant silicone cable	**130,000 h** driver life at Tc 50 °C	**IP67** remote driver and DRB box

THE HIGH TEMPERATURE SYSTEM



The HT system: the luminaire in the heat, the driver outside it.

BUILT-IN SELF-PROTECTION

The luminaire protects itself with internal temperature feedback. As the internal temperature rises it dims back automatically, and on overheating it switches itself off. That feedback runs through the four core supply of every luminaire: two cores of 1.0 mm² for power and two of 0.5 mm² for temperature control. It is the reason the cable specification has four cores rather than two.

Above +130 °C, or unsure about the thermal load? Our engineers calculate the thermal load per mounting position and design the complete system, including the driver location, cable route and DRB selection. Photometric values are measured at a +50 °C reference ambient. HT luminaires are not ATEX certified.

Light output and optics

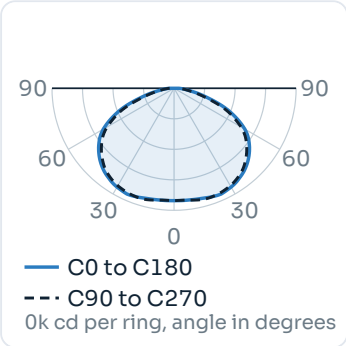
Values apply at Ta 25 °C, including driver consumption. The luminous flux is maintained across the full ambient range; what changes with temperature is the LED service life, stated as a ladder in the colour table.

BEAM CHARACTERISTICS

Version	Distribution	Beam angle 50 % of peak	Field angle 10 % of peak	Typical use
All HT versions	No optics, very wide	136°	168°	Close range over a wide field: oven interiors, drying tunnels, process bays
HT optics	Not available on the Snapper	–	–	See the Barracuda HT or the Orca HT

HT optics of 20°, 40° and 60° exist for the Orca, the Barracuda and the Linear only. On the Snapper, the Goby and the Manta the housing is too small to carry one, so those high temperature versions are supplied as 120° very wide. That is not a limitation in most hot applications, where the luminaire sits close to the work and a wide field is what is wanted.

LIGHT DISTRIBUTION



120° very wide, all HT versions

OBTRUSIVE LIGHT

ULOR at 0° tilt	**0 %**
Colour temperatures	6500 K, 4000 K and 2700 K
Bi-colour	Not available on the high temperature versions

Nothing is emitted above the horizontal at 0° tilt. That is the figure a permitting authority asks for when a site borders a residential area or a protected zone, and it is the starting point for any assessment against NEN-EN 12464-2 and the NSVV guidance on obtrusive light. Where the site condition demands a cut off optic rather than a controlled floodlight, see the DarkLicht range.

COLOUR AND CONSISTENCY

Colour temperatures	6500 K, 4000 K, 2700 K
Bi-colour	Not available on the high temperature versions
Colour rendering	Ra > 70 standard, optionally 80 or 90
Colour consistency	MacAdam step 3 or better
LED service life	TM-21 L90B05, see the temperature ladder below
Ladder	> 360,000 h at 50 °C · 103,000 h at 85 °C · 71,700 h at 105 °C · 51,400 h at 120 °C

Full specification

All values apply to the standard configuration at 25 °C ambient, including lens losses and driver consumption. A hyphen means the entry does not apply to that version.

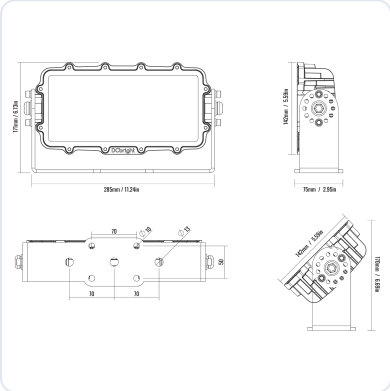
	HT aluminium	HT 316L	HT-CHEM
PERFORMANCE			
Luminous flux	7,000 lm	7,000 lm	7,000 lm
Power consumption	35 W	35 W	35 W
Efficacy	200 lm/W	200 lm/W	200 lm/W
Beam	120° very wide		
ELECTRICAL AND DRIVER			
Supply voltage range	90–305 VAC or 20–35 VDC	90–305 VAC or 20–35 VDC	90–305 VAC
Current draw	0.3 A at 110 V · 0.2 A at 220 V · DC 1.5 A at 24 V	0.3 A at 110 V · 0.2 A at 220 V · DC 1.5 A at 24 V	0.3 A at 110 V · 0.2 A at 220 V
Power factor at full load	> 0.9 at 65 to 100 % load		
Surge protection	6 kV line to line, 10 kV line to earth (IEC 61000-4-5)		
Dimming	0–10 V, PWM, DALI-2, or over NFC. DC on request		
Driver	Remote BLD075, 131 × 68 × 33.5 mm, 650 g. Fits the DRB-1	Remote BLD075, fits the DRB-1	Remote BLD075, fits the DRB-1
Driver ambient	The driver box must sit in an ambient of at most +50 °C		
Driver life	≥ 100,000 h at Tc 75 °C, MTBF ≥ 320,000 h		
CONSTRUCTION			
Housing	Cast aluminium, less than 0.08 % copper	Solid 316L stainless steel	316L with an additional chemically resistant seal
Surface finish	Conversion layer plus 2-layer titanium-based e-coating	Electrolytically polished	Electrolytically polished
Bracket	High tensile 316L stainless steel, fully rotatable through 360° in 30° steps		
Front	Impact resistant glass or borosilicate, IK08		
Protection class	Class II		
Ingress protection	IP66, IP67 and IP68	IP66, IP67, IP68 and IP69K	IP66, IP67, IP68 and IP69K
Impact resistance	IK08 (IEC 62262)		
Corrosion class	C5 industrial and marine	C5 and CX, CRC III to EN 1993-1-4	C5 and CX, with added chemical resistance
Vibration and shock	6 G at resonant frequency (IEC 60068-2-6), shock tested to IEC 60068-2-27		
DURABILITY AND DIMENSIONS			
Ambient temperature	−45 to +120 °C AC, −45 to +110 °C DC		
LED service life	TM-21 L90B05: > 360,000 h at 50 °C · 103,000 h at 85 °C · 71,700 h at 105 °C · 51,400 h at 120 °C		
Cable and termination	SiHF-OB silicone, 4 cores (2 × 1.0 mm² + 2 × 0.5 mm²), 25.0 m	SiHF-OB silicone, 15.0 m	SiHF-OB silicone, 15.0 m
Dimensions	307.6 × 180.7 × 118.2 mm	307.6 × 180.0 × 123.8 mm	307.6 × 180.0 × 123.8 mm
Weight	3.1 kg incl. bracket	7.0 kg incl. bracket	7.0 kg incl. bracket
Warranty	5 years to +120 °C on AC, to +110 °C on DC. The 316L versions carry 20 years on the housing		

The driver box is mounted outside the hot zone and is connected with heat resistant silicone cable. The LED life ladder applies to every high temperature luminaire in the range and is stated in the colour table rather than as a footnote.

Mechanics, mounting and driver

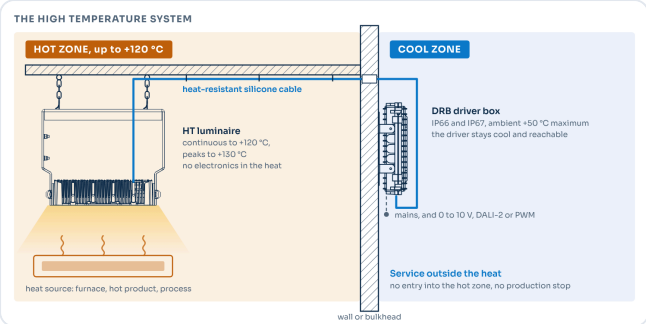
All drawings are to scale and dimensioned in millimetres. The driver box is a separate item and is mounted outside the hot zone.

STANDARD BRACKET



Aluminium versions	307.6 × 180.7 × 118.2 mm, 3.1 kg
316L and HT-CHEM	307.6 × 180.0 × 123.8 mm, 7.0 kg
Material	High tensile 316L stainless steel
Adjustment	360° in 30° steps, twelve positions
Front	Impact resistant glass, or diffuse borosilicate for food industry applications

LUMINAIRE AND DRIVER BOX



In the hot zone	The luminaire only
Outside the hot zone	The BLD075 driver, in the DRB-1 or on a tray
Between them	Silicone cable, 25.0 m on aluminium AC, 15.0 m on the others
Driver ambient	+50 °C maximum
Longer runs	Beyond the standard length is a custom build

MOUNTING AND ACCESSORIES

Standard bracket	High tensile 316L, supplied as standard
DRB-1 driver box	Housing for the remote driver, outside the hot zone
Borosilicate front	Option where the glass sees direct radiant heat
Safety cable	Optional, supplied with the luminaire
HT-CHEM	316L with an additional chemically resistant seal
Higher output at temperature	See the Barracuda HT at 20,600 lm or the Orca HT at 65,000 lm

REMOTE DRIVER

Type	BLD075, 90–305 VAC or 127–420 VDC
Position	Outside the hot zone, ambient +50 °C maximum
Case temperature	Tc −40 to +90 °C
Lifetime	≥ 100,000 h at Tc 75 °C
MTBF	≥ 320,000 h at 75 °C case
Size and weight	131 × 68 × 33.5 mm, 650 g

Heat is what kills a driver, not the LED. Electrolytic capacitors dry out. Moving the driver out of the hot zone is the single change that turns a high temperature installation from a yearly job into a ten year one.

DRB-1 DRIVER BOX



Use	Housing for the remote driver, outside the hot zone
DRB-1	One driver up to 320 W. 276 × 194 × 86.5 mm, 4.2 kg, IP66 and IP67
Ingress protection	IP66 and IP67
Ambient	+50 °C maximum

Ordering, standards and documents

ORDER CODE

Example **SNHT01-65K**

Snapper HT, aluminium, AC, 6500 K

SNHT01 · SNHT02	Aluminium, AC and DC
SNHT03 · SNHT04	316L stainless steel, AC and DC
SNHT05	HT-CHEM, 316L with a chemically resistant seal
65K · 40K · 27K	6500 K · 4000 K · 2700 K
BORO	Borosilicate front instead of impact resistant glass

All high temperature versions are 120° very wide; there is no optic suffix. Cable length beyond the standard run and the diffuse borosilicate front are confirmed at order.

COMBINATIONS

Borosilicate front	Any version
316L with DC	Possible
HT-CHEM with DC	On request
Bi-colour or amber	Not available
HT optics	Not possible, see the Barracuda HT
Cable beyond the standard run	Custom build

STANDARDS AND VERIFICATION

Subject	Standard	Verification
Luminaire safety	IEC/EN 60598-1, -2-5	In-house test
EMC emission and immunity	EN 55015, EN 61547	Third party test
Ingress	IEC 60529 and ISO 20653. IP66, IP67, IP68, IP69K on 316L	In-house test
Impact and vibration	IEC 62262 IK08 · IEC 60068-2-6 at 6 G	In-house test
Shock and corrosion	IEC 60068-2-27 · ISO 9223 class C5, industrial and marine	In-house test
Photometry	IES LM-79, IES files per optic	In-house test
Substances	RoHS, REACH	Self-declaration

BEFORE YOU ORDER

A sample luminaire to hang before you commit to a project quantity.

Five years warranty on the complete luminaire.

A DIALux calculation from our engineers, on your site drawing.

PRODUCT PAGE

IES files and revision history, DXF and STEP on request, and project references.
jelproducts.nl/en/products/snapper

WHERE IT EARNS ITS PLACE

Above +50 °C a normal luminaire is not a lighting problem, it is a maintenance contract. The Snapper HT is specified where the hot zone cannot be reached during production, where the light has to be close to the work, and where 200 lumens per watt means the installed load stays small enough that nobody argues about it.

Notes. Values are for the standard configuration. The warranty follows the operating temperature: five years to +120 °C on AC and to +110 °C on DC. The LED life ladder in the colour table is the same for every high temperature luminaire in the range. North American models on request. The JEL range is not ATEX or Ex certified.

HIGH CAPACITY LED FLOODLIGHT

Snapper HC



Shown: Snapper HC x3 AC, titanium-based e-coating, 15° lens, high tensile 316L bracket.

CE · IP68 · IK08 · Class II · C5 ISO 9223 · Ta −45 … +50 °C · 90–305 / 180–528 VAC · 24 VDC · DALI-2 · 0–10 V · PWM · NFC · Vibration 6 G · ULOR 0 % · safety cable standard

The highest light output per kilogram in the JEL range: 83,000 lumens at 12.6 kg, in one, two or three cast modules on a single bracket. Built for cranes and masts that need a large lumen package without the mass that normally comes with it, and available in 24 V DC for light towers and crane supplies.

LUMINOUS FLUX	WEIGHT	EFFICACY
83,000 lm	12.6 kg	166 lm/W
INGRESS	**IMPACT**	**BEAM ANGLES**
IP68	IK08	15 to 90°

Values apply to the x3 AC version at 500 W, 6500 K, Ta 25 °C, including lens losses and driver consumption. 6500 K delivers the same luminous flux as 4000 K.

WHY IT IS SPECIFIED

The highest output per kilogram in the range. 83,000 lm at 12.6 kg and 55,000 lm at 9.9 kg. On an STS or RTG boom every kilogram is a load the structure carries through every cycle it makes.

Cast modules, not extrusions. Each module is cast in one piece, so there are no seams and no end caps, which is where extruded housings let water in and lose heat transfer.

One optic per module, from an off the shelf range. The aluminium Snapper HC does not use a proprietary optic set, so the choice is effectively unlimited and can differ per module inside one luminaire.

WHERE IT IS USED

- Ship to shore and RTG crane booms
- RMG and rail mounted gantry cranes
- Container terminal and quay apron lighting
- Mobile light towers, directly on 24 V DC
- Ro-ro ramps and vehicle decks
- Offshore terminals and jetties
- Warehouse and distribution centre high bay
- Cold store high bay
- Production halls with mixed bay heights
- Aircraft and vehicle maintenance hangars
- Bulk handling and conveyor transfer towers
- Outdoor process plant and tank farms

VERSIONS

	x1	x2	x3
Article base code	see the Snapper	SNHC02 AC · SNHC03 DC	SNHC04 and SNHC05 AC · SNHC06 DC
Luminous flux AC	31,000 lm	55,000 lm	83,000 lm
Power AC	180 W	320 or 270 W	500 or 400 W
Luminous flux DC 24 V	25,000 lm	44,100 lm	66,200 lm
Dimensions	307.6 × 180.7 × 118.2	320 × 314 × 205	320 × 484 × 205
Weight incl. bracket	3.1 kg	9.9 kg	12.6 kg
Driver	BLD240	BLD320	TLD400 or TLD600

Light output and optics

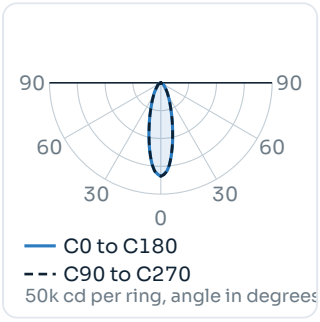
Values apply to the x3 at 500 W and Ta 25 °C, including lens losses and driver consumption. Photometry is measured in house to IES LM-79 and the files are downloadable per optic and per module count.

BEAM CHARACTERISTICS

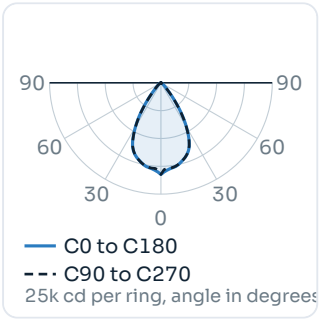
Lens	Distribution	Beam angle 50 % of peak	Field angle 10 % of peak	Typical use
15°	Spot, symmetric	–	–	Very long throw: high masts, crane booms, stockpiles
30°	Medium, symmetric	29°	73°	Long throw beyond 30 m: yards, quays, terminals
60°	Wide, symmetric	63°	86°	Up to around 30 m: aprons, decks, high bay
90°	Very wide, symmetric	92°	114°	Close range over a wide field: low bay, work areas
120°	Very wide, batwing	119°	141°	Uniform cover at low mounting height
20° × 50° and 20° × 85°	Asymmetric	–	–	Quays, aprons and long aisles, keeps spill off the water

The beam angle is the full angle between the two directions where the intensity has fallen to 50 % of the peak. The field angle uses 10 %. Both are read from the IES files. The 15°, 20° × 50° and 20° × 85° optics are supplied but not yet in the measured library; the file is issued with the quotation. Optics can be selected per module inside one luminaire.

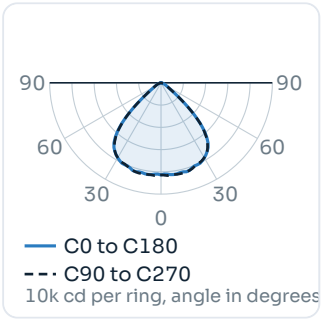
LIGHT DISTRIBUTION



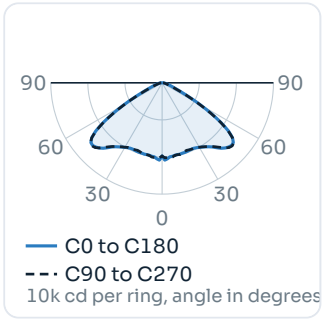
30° medium



60° wide



90° very wide



120° batwing

OBTRUSIVE LIGHT

ULOR at 0° tilt	**0 %**
Amber 2200 K	Available on every optic, for light sensitive surroundings
Bi-colour 4000 K with amber 2200 K	Switchable in operation, for fog and night regimes

Nothing is emitted above the horizontal at 0° tilt. On a terminal the asymmetric optics do most of the work: a 20° × 85° distribution covers a rectangular apron without throwing light over the quay edge. Where the site has a formal obtrusive light condition, see the DarkLicht range.

COLOUR AND CONSISTENCY

Colour temperatures	6500 K, 5000 K, 4000 K, 2700 K, amber 2200 K
Flux at 6500 K	Identical to 4000 K
Bi-colour	4000 K with amber 2200 K, switchable in operation
Colour rendering	Ra > 70 standard, optionally 80 or 90
Colour consistency	MacAdam step 3 or better
LED service life	TM-21 L90B05 > 360,000 h at 50 °C
Optic per module	Selectable individually within one luminaire

Full specification

All values apply to the standard configuration at 25 °C ambient, including lens losses and driver consumption. A hyphen means the entry does not apply to that version.

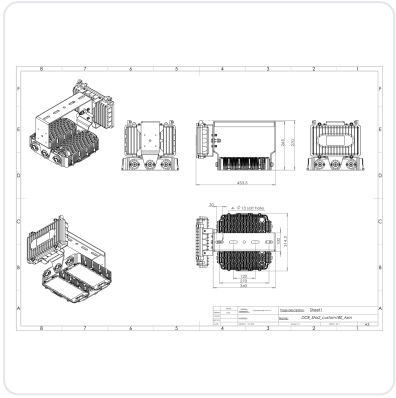
	Snapper HC x1	x2	x3
PERFORMANCE			
Luminous flux AC	31,000 lm	55,000 lm at 320 W · 49,500 lm at 270 W	83,000 lm at 500 W · 73,000 lm at 400 W
Luminous flux DC 24 V	25,000 lm	44,100 lm at 300 W	66,200 lm at 450 W
Power consumption	180 W	320 or 270 W · DC 300 W	500 or 400 W · DC 450 W
Efficacy	172 lm/W	172 lm/W · DC 147 lm/W	166 lm/W · DC 147 lm/W
ELECTRICAL AND DRIVER			
Supply voltage range	90–305 VAC	90–305 or 180–528 VAC · DC 20–35 V	90–305 or 180–528 VAC · DC 20–35 V
Current draw	1.7 A at 110 V · 0.8 A at 220 V	2.9 A at 110 V · 1.5 A at 220 V · 0.8 A at 380 V · DC 12.5 A at 24 V	4.6 A at 110 V · 2.3 A at 220 V · 1.4 A at 380 V · DC 18.8 A at 24 V
Power factor at full load	> 0.95	> 0.95	> 0.9
THD at full load	< 15 % at 60 to 100 % load		
Inrush current at 220 V	66.0 A peak, T50 0.5 ms	31.2 A peak, T50 1.3 ms	TLD400 64 A, T50 400 µs · TLD600 5.4 A, T50 8 ms
Luminaires per MCB	B16 3 · C16 6 · C25 9 · D16 10	B16 2 · C16 4 · C25 7 · D16 8	TLD400 B16 4 · C16 5 · C25 8 · D16 6
Surge protection	6 kV line to line, 10 kV line to earth (IEC 61000-4-5)		
Dimming	0–10 V, PWM, DALI-2, or over NFC. DC on request		
Driver	Remote BLD240, fits the DRB-1	Remote BLD320, fits the DRB-1 · DC drivers on board	Remote TLD400 or TLD600 in the DRB-2 · DC drivers on board
Driver life	≥ 100,000 h at Tc 75 °C, MTBF ≥ 280,000 h, Tc −40 to +90 °C. Replaced without opening the luminaire		
CONSTRUCTION			
Housing	Cast aluminium, less than 0.08 % copper, one piece per module without seams or end caps		
Surface finish	Conversion layer plus 2-layer titanium-based e-coating		
Colour	Titanium Black		
Bracket	High tensile 316L stainless steel, adjustable through ±180° in 30° steps		
Front	Impact resistant glass, IK08		
Protection class	Class II		
Ingress protection	IP66, IP67 and IP68, each class tested separately		
Impact resistance	IK08 (IEC 62262)		
Corrosion class	C5 industrial and marine (ISO 9223)		
Vibration and shock	6 G at resonant frequency (IEC 60068-2-6), shock tested to IEC 60068-2-27		
DURABILITY AND DIMENSIONS			
Ambient temperature	−45 to +50 °C		
LED service life	TM-21 L90B05 > 360,000 h at 50 °C, so the driver is the wear part		
Cable and termination	H07BQ-F, 4 cores (2 × 2.5 mm² + 2 × 0.5 mm²), 2.0 m, pre-fitted with free wire ends		
Dimensions	307.6 × 180.7 × 118.2 mm	320 × 314 × 205 mm	320 × 484 × 205 mm
Weight incl. bracket	3.1 kg	9.9 kg	12.6 kg
Warranty	5 years on the complete luminaire		

Power is a driver setting. Every AC version can be ordered programmed to a lower wattage by adding the wanted power as a suffix to the article code. DC versions run at a fixed constant current. Switching the modules of an x2 or x3 separately is possible on request; the standard build switches them together.

Mechanics, mounting and driver

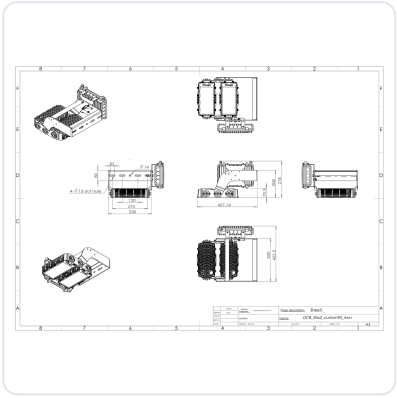
All drawings are to scale and dimensioned in millimetres. DXF and STEP models are available on request. Dimensions shown are for the x2.

TOP MOUNT BRACKET



Module x2	320 × 314 × 205 mm
Overall height	433.5 mm
Mounting plate	340 × 265 mm
Fixing holes	4 × Ø 13 mm slotted
Hole pattern	270 × 100 mm
Adjustment	±180° in 30° steps

SIDE MOUNT BRACKET



Use	Against a vertical structure or a boom web
Overall	457.1 × 423.5 mm
Mounting plate	330 × 278 mm
Fixing holes	4 × Ø 13 mm slotted
Hole pattern	270 × 120 mm
Standard bracket	Also available, same interface

MOUNTING AND ACCESSORIES

Standard bracket	High tensile 316L, supplied as standard
Top mount and side mount brackets	Options, same luminaire interface
Safety cable	Supplied as standard with every Snapper HC
Cable and retrofit brackets	Lengths beyond 2.0 m and structure specific brackets on request
Module switching	Separate switching of the x2 and x3 modules on request

REMOTE DRIVER

x1	BLD240, 215 × 67.5 × 33.5 mm, 1,100 g
x2	BLD320, 225 × 68 × 38.5 mm, 1,120 g
x3	TLD400 at 400 W or TLD600 at 500 W
Case temperature	Tc −40 to +90 °C
Lifetime	≥ 100,000 h at Tc 75 °C
Enclosure	x1 and x2 in the DRB-1, x3 in the DRB-2

The LEDs outlive three drivers. The driver sits outside the luminaire and is replaced without opening the housing, so a driver fault is a ground level job instead of a lift on a crane boom.

DRB DRIVER BOXES



Use	Housing for the remote driver, outside the wash-down zone
DRB-1	One driver up to 320 W. 276 × 194 × 86.5 mm, 4.2 kg, IP66 and IP67
DRB-2	Systems up to 2,000 W, and the box for the x3. 441 × 290 × 145 mm, 10.4 kg, IP66 and IP67
Ingress protection	IP66 and IP67
System weight	23.0 kg, x3 with bracket and DRB-2

Ordering, standards and documents

ORDER CODE

Example **SNHC05-65K.30**

Snapper HC x3, 500 W, 6500 K, 30° optic

SNHC02 · SNHC04 · SNHC05	AC, x2 at 320 W · x3 at 400 W · x3 at 500 W
SNHC03 · SNHC06	DC, x2 · x3
AC · DC	90–305 or 180–528 VAC · 20–35 VDC
65K · 50K · 40K · 27K · 22K	6500 K · 5000 K · 4000 K · 2700 K · amber 2200 K
BIC	Bi-colour 4000 K with amber 2200 K
.15 · .30 · .60 · .90 · .20x50 · .20x85	Optic suffix, selectable per module

The optic suffix follows the colour temperature and can be given per module, so one luminaire can carry a spot on one module and a wide distribution on the next. Bracket, control protocol and cable length are confirmed at order.

COMBINATIONS

Different optic per module	Possible
Amber 2200 K with asymmetric optic	Possible
Bi-colour with DALI-2	Possible
Separate switching per module	On request
316L or high temperature	See the Snapper and the Orca HT
IK10 front	See the Barracuda or the Orca

STANDARDS AND VERIFICATION

Subject	Standard	Verification
Luminaire safety	IEC/EN 60598-1, -2-5	In-house test
EMC emission and immunity	EN 55015, EN 61547	Third party test
Ingress	IEC 60529 and ISO 20653. IP66, IP67, IP68	In-house test
Impact and vibration	IEC 62262 IK08 · IEC 60068-2-6 at 6 G	In-house test
Shock and corrosion	IEC 60068-2-27 · ISO 9223 class C5, industrial and marine	In-house test
Photometry and flicker	IES LM-79, IES files per optic · flicker measured per version	In-house test
Substances	RoHS, REACH	Self-declaration

BEFORE YOU ORDER

A sample luminaire to hang before you commit to a project quantity.

Five years warranty on the complete luminaire.

A DIALux calculation from our engineers, on your site drawing.

PRODUCT PAGE

IES files and revision history, DXF and STEP on request, and project references.
jelproducts.nl/en/products/snapperhc

WHERE IT EARNS ITS PLACE

The Snapper HC earns its place on structures that move and structures that count every kilogram. A crane boom carries its lighting through every cycle it makes, and a light tower has to be towed, raised and set down. Putting 83,000 lm on that structure at 12.6 kg is the reason the lighting can go where it is actually needed.

Notes. Values are for the standard configuration; a bi-colour or high-CRI build changes the luminous flux and the quotation states the figure that applies. Luminaires per MCB is the manufacturer figure for ABB S200 at 220 V and is stated per driver, so with more than one driver in a luminaire divide by the driver count. North American models on request. The JEL range is not ATEX or Ex certified.