

MARELD

PRO LIGHTING®

NO MORE BAD LIGHT.

THE IMPORTANCE OF GOOD WORK LIGHTING

How lighting affects us
and what we need to consider.

INTERVIEW: XLNT MÅLERI AB

“Lighting plays an extremely
important role for the finish.”

BIG LIGHT GUIDE!

How to find the right
light for the right job.



A woman wearing a white hard hat and a high-visibility jacket is smiling and holding a set of blueprints. The background is a blurred construction site.

Today, a lot of people are working in bad light.

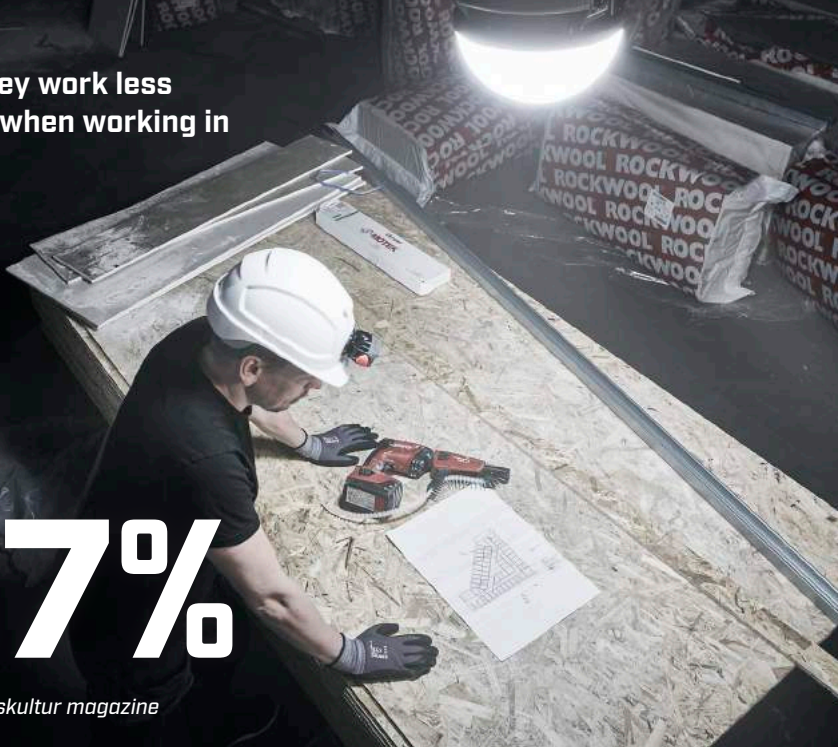
This is a reality at construction sites, in rooms being repainted, inside electrical cabinets, indoors and outdoors. As a result of bad lighting we do not see as well, causing us to do a worse job and it also affects our well being. At Mareld, we believe that this is due to a lack of knowledge. That's why we are working to spread knowledge about work lighting, and that's why we have also decided to work exclusively on developing work lighting. We want everyone to have the right light for the job, thus eliminating fall accidents in stairs, other injuries and back and neck strain caused by awkward working positions as a result of bad work lighting. We also want to be able to say goodbye to tangled cables, bad batteries and poor colour reproduction. All this can be summed up in our goal and our vision:

NO MORE BAD LIGHT.

67% say they work less efficiently when working in bad light.

67%

Source: Ljuskultur magazine



6/10

This many occupational illnesses are due to ergonomic strain injuries*. Bad or incorrect lighting can lead to awkward working positions that contribute to strain injuries.

*Source: Swedish Work Environment Authority, figures in the construction industry.

7/10

Did you know that 7 out of 10 people feel tired at work due to incorrect lighting?

Other common problems are tension in the neck and back, tired eyes and difficulty concentrating.

Source: Ljuskultur magazine

Did you know that 31% think their workplace is too dark?

31%

Source: Ljuskultur magazine

35%

One third of all accidents at work are fall accidents. Many are due to bad lighting.

Source: AFA Försäkringar



HOW TO CREATE DAYLIGHT WHERE IT DOESN'T EXIST

Among other things, the absence of daylight disturbs our daily rhythm and causes tiredness. The best thing is to work in places where there is direct daylight. The second best thing is to create artificial daylight, which you can do using the products that are available in our Power range. Research has shown that if you position large lamps and direct them toward ceilings and walls, you can create peripheral lighting that has a similar effect as natural daylight.



NO MORE BAD LIGHT.

Did you know that ...

– Incorrect lighting can damage your health.

Tiredness is a common result, and over 60 percent of Swedes feel that they are quite or very often affected by this at work. Poor sleep, headache and tension in the back and neck are also common side effects, as well as a reduced immune system and general well-being.

– Incorrect lighting inhibits you in your work.

It reduces performance, makes you less efficient and is a common cause of mistakes and accidents.

– Your wallet can take a beating from incorrect lighting.

Outdated lighting means high electricity costs for the business, but incorrect lighting can also generate costly sick leave.

“The risk of mistakes increases significantly with incorrect lighting.”

3 questions to

Carina Kransvik,

Working Environment Engineer at Avonova

1

How does lighting affect us as people?

Poor lighting not only contributes to us seeing less well and risking more accidents, but also to making us feel worse. Long periods of working in bad lighting can lead to tension in the head, back and neck, which in the long run can lead to strain injuries and sick leave. Good lighting is particularly important in places that are totally or partially lacking daylight, because the lack of daylight can interfere with the daily rhythm and cause tiredness.

2

How is our ability to work affected by lighting?

The risk of mistakes and accidents increases significantly. Incorrect lighting can also lead to glare, difficulty in detecting errors, or simply straining your eyes so much that you get tired and cannot concentrate for long periods. The light must be bright enough and have a tone that makes it easy to distinguish colours, for example.

3

What things should we consider?

Something we often forget is that our vision deteriorates when we get older, and how early we notice this differs between individuals. So it is extremely important that the lighting can be adapted to each individual and to different tasks, moreover it is a legal requirement. A common problem is also that people do not like to say that they can no longer see very well. My primary advice, therefore, is that employees should speak out when they cannot see, and that employers should continually be checking the lighting by making it a part of inspections and risk assessments.





FACTS ABOUT XLNT MÅLERI AB

Founded: 2008.

Number of employees: 7.

Turnover: Approx. SEK 8–9 million annually.

Owner: Karl Lindstedt.

Business area: Gothenburg and surrounding area.

Customers: Private, public and commercial clients.

**KARL LIKES:
DURABLE LIGHTING**

My days run at a furious pace, I have to have lighting that can be knocked over and dropped without breaking.

NO MORE BAD COLOURS

How to set perfect colours with the right lighting

Karl Lindstedt has been a painter for almost 20 years. At the beginning he was employed, but in 2008 he started his own business because he felt that the time pressure for many jobs was so great that he didn't have time to do a satisfactory job. Karl takes pride in his work and attaches great importance to interior decoration, details and the right colour scheme. With his own company XLNT, he can control all this himself.

XLNT måleri AB operates all over Gothenburg and the surrounding area, and his clients include both private individuals as well as public and commercial customers. The focus is mainly on sites that has been rebuilt, repairs and room adjustments. The latter is an especially important part of the company's core business. His customers include large retail chains in terms of repainting and adjustments in new and existing premises.

So what are the biggest challenges when you arrive at a new workplace?

"It's usually a very messy site with many different craftsmen working side by side – and of course everyone has short lead times. So it's important to have close cooperation based on good communication. Only one date matters for everyone – and that's the deadline date, so it's important that everyone is flexible. Sometimes the store in question may still be open in some parts, and we have to be able to work anyway ..."

Are there any specific challenges for you as painters?

"Yes, we have to make sure we have sufficient power and create the best possible lighting for the specific job. It's also important to know how the premises will be used when everything is finished, for example if a wall should have a bright 'spot light' on it, i.e. heavy lighting. In that case we then have to create good 'raking light', so we can see all the effects of our job. Lighting plays an extremely important role in the 'finish'. Mareld's Canopus is a good example here, as it is a lamp with high colour rendering, i.e. it allows you to infinitely switch from cold to warm light."

"Another challenge has been the transition from bulbs to LED lighting. LED lights can be a bit cold and produce a bright light that doesn't really create the right "raking light". Once you have learned this, however, LED lighting is preferable since it doesn't get as hot is more efficient so the battery last

longer. The dimmer function is superb in this respect, as you save a lot of battery power by "dimming down" when you don't need such a bright light."

What do you need to consider when choosing work lighting?


"For me, good lighting is primarily about ease of use. In other words, the products must be easy to position, have good battery power, be easy to carry and impact resistant. If the products are also nicely designed, it contributes to an positive overall experience." This is precisely why Karl and his team have gone with Mareld's work lighting concept.

"Lighting plays an extremely important role in the finish."



"I think that product developers generally place too much emphasis on "technicalities" such as watts, lumens and superfluous functions, rather than focusing on what we everyday users actually need. Everything here runs at a fast pace – we are usually working in two or three different places in one day – to make the most of our time. So the work lights must be functional, among other things. And I think that Mareld responds well to this challenge and you get a lot of light for your money! I really like the concave and rubberised design of the Canopus work lamp. It can be knocked over and dropped without breaking."





“All the products generally have a high battery capacity as well. You can tell that they have worked closely throughout the development process with craftsmen who are well established in the real world. They have responded well to our requirements, needs and wishes. I can only strongly recommend Mareld to anyone who is involved in any form of painting service.”

Are we talking more about lighting now than before?

“Yes, I would say that we are. In addition to achieving a better end result, good lighting is also a working environment and safety issue.”

How do you see the future of work lighting – what would you like to see?

“Better lightning connectors, like Apple, with magnetic connectors that pull out when you get stuck instead of breaking when you step or trip on the cord. The packaging is extremely important too. Since we all usually have a lot to

carry in and out of the workplace, I would like to see a smart solution in the form of a backpack or similar for the lighting. This means you would have both hands free to carry other things. Then you can always develop the lightning attachments and automate the dimmer functions, etc.”

Finally, what makes the painting profession such fun?

“No day is the same. We have close contact with customers and there is immediate satisfaction in seeing a finished end result that is also appreciated by the customer. You simply make people happy”, laughs Karl.

“Being able to do this as my own business with hand-picked employees who you get on with, this adds to the overall impression.”

KARL'S TIP:

WORK LAMP CANOPUS 4000 RE

In my job I need good “raking light” so I can see all the effects – the Canopus does the job perfectly.





MARELD LIGHT GUIDE

For Mareld, good lighting means the right lighting.
The right lighting for the right job
That's why we have divided our work lights into three segments:
Power, Precision and Performance.



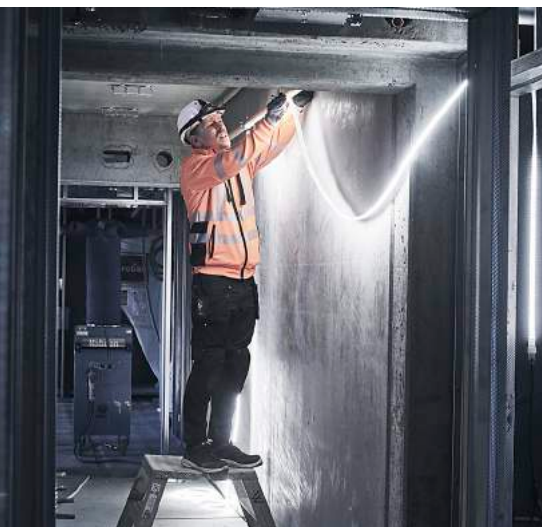
POWER

Extra bright lighting when working in large spaces. Perfect for: Painters, carpenters, security guards.



PRECISION

Close and precise, directed lighting for precise work. Perfect for: electricians, plumbers, mechanics, chimney sweeps.



PERFORMANCE

Lighting that's extra resistant to dirt, moisture and wear. Perfect for: construction and industrial workers.



POWER

There are several professional groups that need powerful lights. What they all have in common is that they work over a large area for a long period of time. This kind of lighting is designed to create a good overview. You can combine multiple lights or easily move around the cordless lamps to adjust the light according to the size of the area to be illuminated.

WORK LAMP SHINE 8500 APP

- A very bright lamp specially shaped to provide excellent light dispersion
- A hook on the base makes it easy to hang up
- Lamp with an app function for switching the light on and off, dimmer function and timer
- 8500 lumens
- IP 54



Art. no. 690000807



TORCH NIMBUS 1000 RE

- Rechargeable
- 4 hours operating time when used on the brightest setting
- 1000 lumens
- IP 66



Art. no. 690001573

NEW UPDATED APP!

- Allows the user to control on/off, dimmer, timer and to connect in parallel up to 100 units that can be operated via a single app
- Map function showing the latest position of the work lamps
- Updated interface for easy navigation



WORK LAMP BLAZE 12 000 RE APP

- Rechargeable
- Lamp with an app function for switching on/off, dimmer function and timer
- Operating time up to 5 hours
- 12 000 lumens
- IP 64



Art. no. 690000302



HEAD LAMP HALO 1200 RE

- Rechargeable
- Can be powered by 4 AA batteries
- Provides a very bright light
- Operating time 2.5 hours
- 1200 lumens
- IP 64



Art. no. 690000948

TORCH FLARE 1000 RE

- Works with rechargeable or ordinary alkaline batteries
- Operating time up to 10 hours
- Can be set to provide blue or red light. With zoom.
- 1000 lumens
- IP 68



Art. no. 690000344

WORK LAMP SHINE 4000 RE

- Rechargeable
- Can be used with or without a cable
- Emergency lighting function
- Operating time 7 hours
- 4000 lumens
- IP 65



Art. no. 690000146

WORK LAMP SHINE 4500 RE APP

- Rechargeable with extra powerful batteries
- Extra long operating time - up to 8 hours
- Lamp with an app function for switching the light on and off, dimmer function and timer
- 4500 lumens
- IP 65

Art. no. 690000815

NEW!



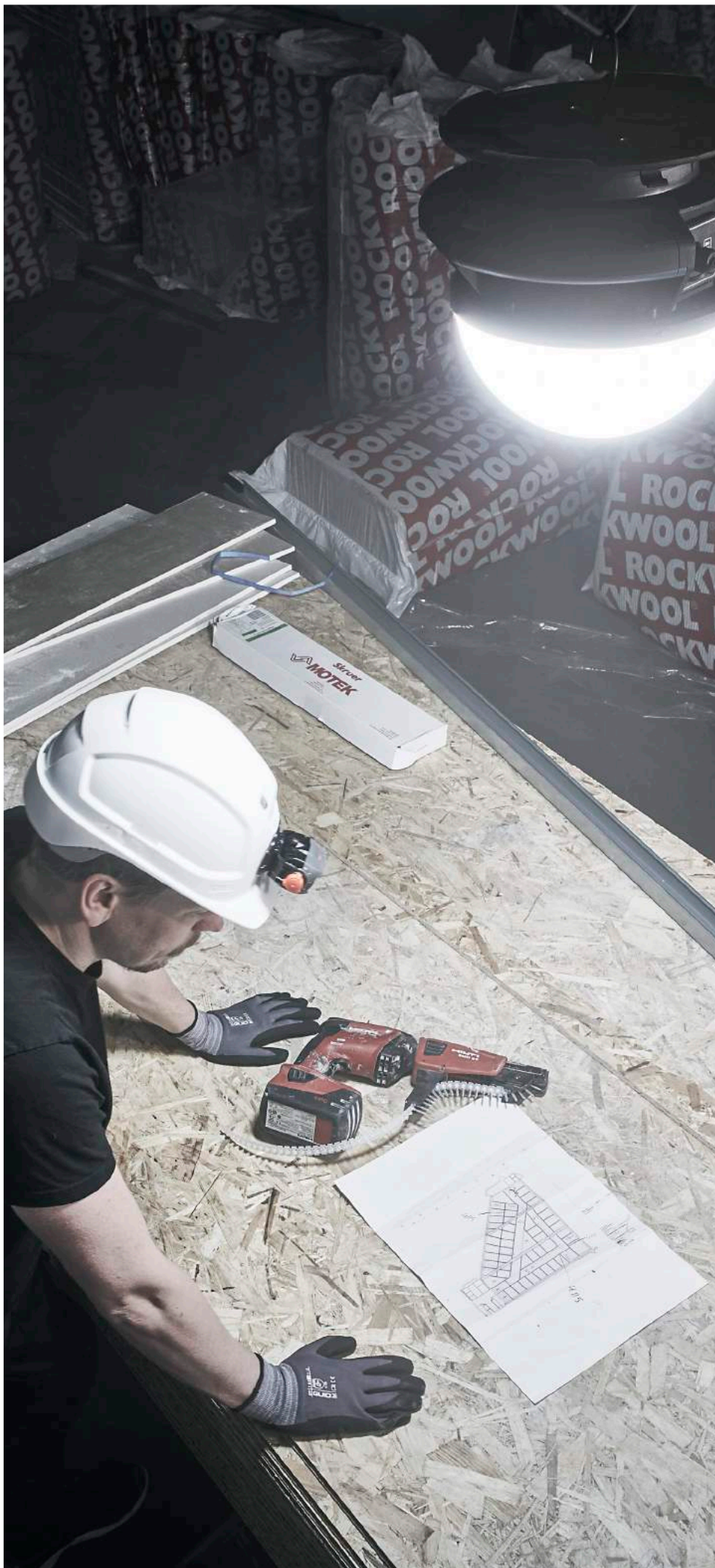
WORK LAMP VAPOR 13 000

- Easy to control whichever light source you want to use
- The frosted glass means the lamp is glare-free
- 13 000 lumens
- IP 54



Art. no. 690000625





HEAD LAMP HALO 540 RE

- Rechargeable
- Operating time 2.5 hours
- 540 lumens
- IP 64



Art. no. 690000914

WORK LAMP STARBURST 16 000 APP

- App controlled lamp that allows you to control on/off, dimmer and timer
- 10 m long cable
- Recommended to use together with stand Beam, art. no. 690001623.
- 16 000 lumens
- IP 65



Art. no. 690000633
(Lamp stand is not included)

TORCH NIMBUS 450

- Powered by 4 AAA batteries
- Operating time 6 hours
- 450 lumens
- IP 66



Art. no. 690001557



PRECISION

Precision is intended for any confined spaces that require concentration and accuracy. Where the ability to easily move and redirect the lights is important. Quite simply, a bright light in a confined space. An electrical cabinet, motor or ventilation drum, for example. With good precision lighting, you have a greater opportunity to perform the task in the best way, without having to overstrain your eyes, work in uncomfortable positions or risk making mistakes.



HEAD LAMP PETA 400 RE

- Works with rechargeable or ordinary AAA batteries
- Two light sources, cold light and warm light
- Operating time up to 7 hours
- 400 lumens
- IP 64



Art. no. 690000310

HEAD LAMP YOTTA 300 RE

- Rechargeable
- Colour temperature can be adjusted between 2700-6500 K(Kelvin), and motion sensor
- Operating time up to 6 hours
- 300 lumens
- IP 65



Art. no. 690000849

HAND LAMP ILLUMINE 550 RE

- Rechargeable
- Light blade can be rotated 180 degrees
- Operating time up to 8 hours
- 550 lumens
- IP 64



Art. no. 690000351

HEAD LAMP PIKO 550 RE

- Works with rechargeable or ordinary AAA batteries
- Operating time up to 10 hours
- Motion, distance and light sensors. With zoom.
- 550 lumens
- IP 64



Art. no. 690000328



PERFORMANCE

Here you will find lighting that is designed to be used in tough environments, making it easier to carry out your work. These will mainly be outdoor tasks, where many jobs have to be carried out in all types of weather – rain, wind, hail or snow. In other words, this is lighting for construction sites and industry, where the equipment must be able to withstand a bit of rough handling.

WORK LAMP FLASH 3000 RE

- Rechargeable
- Extremely impact resistant
- Very bright light for its size
- 3000 lumens
- IP 65



Art. no. 690000112

WORK LAMP SHINY 5000 RE APP

- Rechargeable, with clip for easy installation
- Lamp with an app function for switching the light on and off, dimmer function and timer
- Operating time up to 6 hours
- 5000 lumens
- IP 65



Art. no. 690000823

WORK LAMP SPARKLE 4000 RE

- Rechargeable
- Bluetooth speaker 2x30 W
- Operating time up to 6 hours
- 4000 lumens
- IP 65



Art. no. 690000831

HEAD LAMP GLEAM 600 RE

- Works with rechargeable or ordinary AAA batteries
- Operating time up to 10 hours
- Wide beam pattern provides strong, almost glare-free lighting at close range
- 600 lumens
- IP 66



Art. no. 690000336

NEW UPDATED APP!

- Allows the user to control on/off, dimmer, timer and to connect in parallel up to 100 units that can be operated via a single app
- Map function showing the latest position of the work lamps
- Updated interface for easy navigation



LED STRIP SUNLIT 20 M

- Can be connected in series, an electric cable will power a 60 metre LED strip
- 20 m LED strip providing 13 500 lumen
- IP 54



Art. no. 690010020

WORK LAMP GLOW SET 8 PCS RE

- Rechargeable
- Activates when the lamp is removed from the box and deactivates when the puck is replaced
- Choice of light colour settings: GREEN/ ORANGE/ RED
- Operating time up to 40 hours
- IP 67



Art. no. 690020086

HANDLAMPA ILLUMINE 800 RE UV

- Rechargeable
- UV light at top, with emergency lighting function
- Operating time up to 6 hours
- 800 lumens
- IP 65



Art. no. 690000856

WORK LAMP CANOPUS 3000 RE

- Rechargeable
- Very robust and impact resistant lamp
- Easy to carry
- Equipped with a USB socket that allows you to charge your mobile phone, etc.
- 3000 lumens
- IP 65



Art. no. 690000484

OVERVIEW OF PRODUCTS

WORK LAMPS

POWER



STARBURST 16000 APP
Art. no. 690000633



STARBURST 16000
Art. no. 690000575



VAPOR 13000
Art. no. 690000625



SHINY 5000 RE APP
Art. no. 690000823



SPARKLE 4000 RE
Art. no. 690000831



FLASH 3000 RE
Art. no. 690000112



BLAZE 12000 RE APP
Art. no. 690000302



SHINE 8500 RE APP
Art. no. 690000807



VAPOR 6500
Art. no. 690000591



CANOPUS 3000 RE
Art. no. 690000484



BLAZE 2800
Art. no. 690000104



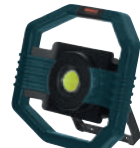
SHINE 2500
Art. no. 690000047



SHINE 4500 RE APP
Art. no. 690000815



SHINE 4000 RE
Art. no. 690000146



CANOPUS 4000 RE
Art. no. 690000583



INTENSE 2400 RE
Art. no. 690020003



FLASH 1800 RE
Art. no. 690000062



FLASH 1000 RE
Art. no. 690000054



GALACTIC 3800 RE
Art. no. 690000005



AURA 2000 RE
Art. no. 690000492



LED STRIP SUNLIT 20 M
Art. no. 690010020



LED STRIP SUNLIT 10 M
Art. no. 690010012



LED STRIP SUNLIT 3 M
Art. no. 690010004

HAND LAMPS

PERFORMANCE



ILLUMINE 1000 RE
Art. no. 690005038



ILLUMINE 800 RE UV
Art. no. 690005012



ILLUMINE 800 RE
Art. no. 690005012



ILLUMINE 550 RE
Art. no. 690000351



ILLUMINE 700 RE
Art. no. 690005020



ILLUMINE 600 RE
Art. no. 690005004



JET 323 EX
Art. no. 690006044



GIGA 200 RE
Art. no. 690000542

WARNING LIGHTS

PERFORMANCE



PUCK LIGHT GLOW 6 PCS RE
Art. no. 690020086



LIGHT PUCK GLOW RE
Art. no. 690020060



LIGHT PUCK GLOW SET 6 UNITS
Art. no. 690020078



LIGHT PUCK GLOW AAA
Art. no. 690020052

HEAD LAMPS

POWER



HALO 1200 RE
Art. no. 690000948



HALO 540 RE
Art. no. 690000914



PIKO 550 RE
Art. no. 690000328



PETA 400
Art. no. 690001110



GLEAM 600 RE
Art. no. 690000336



GLEAM 450
Art. no. 690001086



**HALO 540 RE MED
SENSOR**
Art. no. 690000922



HALO 250
Art. no. 690000906



PETA 400 RE
Art. no. 690000310



PETA 300 RE
Art. no. 690001102



JET 216 EX
Art. no. 690006028



GLEAM 145 RE
Art. no. 690001078



YOTTA 300 RE
Art. no. 690000849



PIKO 250
Art. no. 690001037



GLEAM 200
Art. no. 690001060

TORCHES

POWER



NIMBUS 3000 RE
Art. no. 690001581



FLARE 1000 RE
Art. no. 690000344



NIMBUS 1000 RE
Art. no. 690001573



ZEPTO 20
Art. no. 690001045



RADIATE 300
Art. no. 690001532



RADIATE 100
Art. no. 690001524



NIMBUS 450 RE
Art. no. 690001565



NIMBUS 450
Art. no. 690001557



NIMBUS 20
Art. no. 690001052



JET 64 EX
Art. no. 690006002

PRECISION

PERFORMANCE

PRECISION

PERFORMANCE

OVERVIEW OF ACCESSORIES

SPARE BATTERIES



PETA 300 RE
Art. no. 690003777



HALO 1200 RE
Art. no. 690003793



AURA 6600 MAH
Art. no. 690003561



NIMBUS 3000 RE
Art. no. 690003785



BLAZE 2800
Art. no. 690000609



GALACTIC
Art. no. 690001094



FLARE 1000 RE
Art. no. 690003959



HALO 540
Art. no. 690003702



NIMBUS 450 RE
Art. no. 690003728



NIMBUS 1000 RE
Art. no. 690003744

CABLES



BLAZE 5 M
Art. no. 690003009



STARBURST 18000
Art. no. 690003017



**ELECTRIC CABLE WITH
PLUG 1,5 M**
Art. no. 690003751



**CONTROL BOX
STARBURST**
Art. no. 690090618

CHARGERS



**UNIVERSAL ADAPTER
5 V/ 12 V**
Art. no. 690003835



POWER BANK 12 V
Art. no. 690003850



FLASH/GIGA
Art. no. 690003504



FLASH 1800
Art. no. 690003512



AURA
Art. no. 690003520



GALACTIC
Art. no. 690003546



NIMBUS/FLARE
Art. no. 690003595



CANOPUS
Art. no. 690003686



**TRIPLE CHARGER
FOR NEBULOSA**
Art. no. 690003637



**FAST CHARGER
FLASH 1000**
Art. no. 690003603

STANDS AND HOLDERS



STAND BEAM 2,3 M
Art. no. 690001607



STAND BEAM 4 M
Art. no. 690001623



**STAND WITH LOCKABLE
WHEELS BEAM 2,3 M**
Art. no. 690090626



**BAR ANGLED FOR
BEAM 45 GR**
Art. no. 690004023



**LAMP HOLDER
STARBURST**
Art. no. 690090104



**SWIVEL MOUNT
STARBURST**
Art. no. 690090634



HOLDER UNIVERSAL
Art. no. 690004031



**FOOT WITH SCREWS
VAPOR**
Art. no. 690090302



**BAR ANGLED FOR
BEAM**
Art. no. 690004015

MAGNETS



BLAZE 2800
Art. no. 690002001



GALACTIC
Art. no. 690002019



FLASH
Art. no. 690002027



CANOPUS
Art. no. 690002043

HOLSTERS/CASES



HOLSTER TORCH
Art. no. 690001599



BAG
Art. no. 690090006



BAG COMPLETE
Art. no. 690089990

OTHER



**PLUG BLAZE 2500
MARELD**
Art. no. 690003587



**PLASTIC LENS
GALACTIC**
Art. no. 690003645



**HELMETCLIPS
UNIVERSAL**
Art. no. 690000997

MARELD
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BAD LIGHT.**

**Choose the right
lighting for the job!**

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0322-60 60 00
info@mareldprolighting.com
www.mareldprolighting.com