

Product Portfolio

HELULIGHT INDUSTRIAL LUMINAIRES

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Content

1. HELULIGHT Machine Luminaires	4
2. HELULIGHT PLUS Machine Luminaires	6
3. HELULIGHT Signal Luminaires	8
4. HELULIGHT SMART PROCESS Signal Luminaires	10
5. HELULIGHT WORKPLACE Workspace Luminaires	12
6. HELULIGHT Accessories	14
7. HELULIGHT Custom Solutions	15

HELULIGHT Machine Luminaires



With our wide range of products, we cover not only 90% of all applications in mechanical engineering, but also supply 12–30 V wide-range technology for rail vehicle and automotive engineering. For our installation and assembly luminaires, we use robust aluminium bodies which not only make these products mechanically durable, but also function as effective heat management. With this, we are able to retain the 60,000h lifespan as indicated by the LED manufacturer. With IP54 to IP69K protection classes and the use of chemical-resistant materials and adhesives, our luminaires are protected against

the ingress of dust and aggressive coolants and lubricants. Thanks to food-grade and scratch-resistant materials like PMMA and ESG, they are also suited for the high-pressure cleaning of the food and beverage industry, and for use in metal working where they are exposed to metal chips. Other features of our standard portfolio are rotatable brackets, daisy-chaining, and a light temperature of 5,700 K, which cover all common, practical requirements. If you aren't able to find the perfect product for your application in our portfolio, contact us! We'll find a solution for you.

For Suitable Lighting at Machines

Your advantages:

- High-quality light
- UL-certified, LED luminaires
- Resistant to water spray and dust

Possible applications

- Applications in mechanical and plant engineering
- Suited for the roughest of applications
- Workspaces

HELULIGHT® COMPACT



Online Shop



Lengths in mm	105
Lumens in lm	450
Output in W	3.5
Cover	Diffused ESG
Housing	Anodised aluminium
Connector	M8 4 pin A-coded
Dimmable	PWM

HELULIGHT® STATIC



Online Shop



Lengths in mm	140, 280, 420, 560, 840, 1120, 1400
Lumens in lm	approx. 441–4408
Output in W	3.4–33.9
Cover	Diffused PMMA
Housing	Anodised aluminium, plastic end caps
Connector	M8 4 pin A-coded, daisy-chainable

HELULIGHT® FLS



Online Shop



Lengths in mm	150, 250, 450
Lumens in lm	approx. 728–3159
Output in W	5.6–22.5
Cover	Diffused PMMA or ESG
Housing	Anodised aluminium
Connector	M8 4 pin A-coded

HELULIGHT® EBLT



Online Shop



Lengths in mm	250, 450
Lumens in lm	approx. 1319–3046
Output in W	11.6–22.5
Cover	Diffused PMMA or ESG
Housing	Anodised aluminium
Connector	M8 4 pin A-coded

HELULIGHT® CLASSIC



Online Shop



Lengths in mm	140, 280, 420, 560, 700, 840, 980, 1120, 1400
Lumens in lm	approx. 369–3688
Output in W	3.4–34
Cover	Diffused PMMA
Housing	Anodised aluminium, plastic end caps
Connector	M8 4 pin A-coded

HELULIGHT® SOLID40



Online Shop



Lengths in mm	190, 365, 540, 715, 1040
Lumens in lm	approx. 339–2789
Output in W	3.3–26.6
Cover	Diffused PMMA or ESG
Housing	Anodised aluminium, plastic end caps
Connector	M12 5 pin A-coded, daisy-chainable

HELULIGHT PLUS



Our PLUS series builds upon our existing machine luminaire designs. Thanks to the PLUS series, dimming is easy, safe, and limitless. Unlike with external PWM modules, which often have limited performance, our integrated electronics make stepless and simple dimming possible thanks to an input voltage of 0–10 V. Our PLUS series also offers the highest degree of safety—our LED machine luminaires PLUS are EMC compliant with every common analogue board on the market and help reduce disruptive EMC pulses in their direct environment and are tested according to DIN EN IEC 55015.

Another advantage of our PLUS series is their consistent lighting. Thanks to their wide voltage range of 12–30 V, there is no need to worry about voltage outages over long distances in mechanical and plant engineering. You can rely on consistent lighting. And last, but not least, our PLUS series luminaires are highly efficient. Their improved luminous efficacy, or light output efficiency, means they output 10% more light using the same amount of energy as other common lighting solutions. With our PLUS series, you not only save energy, but also get brighter lighting.

Efficient Machine Lighting

Your advantages:

- Variable input voltage from 12–30 V DC
- Stepless dimming function with 1.5–10 V (1.5 V at 20% remaining; from 9.5 V, 100%)
- Enhanced efficiency
- Higher luminous flux
- Stable lighting without voltage drops thanks to its 12–30 V wide voltage range

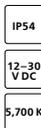
Possible applications

- Applications in mechanical and plant engineering
- In rough environments
- For use with cooling lubricants, oils, or metal shavings

HELULIGHT® CLASSIC-PLUS



Online Shop



Lengths in mm	140, 280, 420, 560, 700, 840, 980, 1120, 1400
Lumens in lm	approx. 410–4097
Output in W	3.4–34.4
Cover	Diffused PMMA
Housing	Anodised aluminium, plastic end caps
Connector	M8 4 pin A-coded, daisy-chainable

HELULIGHT® SOLID40-PLUS



Online Shop



Lengths in mm	190, 365, 540, 715, 1040
Lumens in lm	approx. 750–6001
Output in W	7.0–56.2
Cover	Diffused ESG
Housing	Anodised aluminium, plastic end caps
Connector	M12 5 pin A-coded, daisy-chainable

HELULIGHT Signal Luminaires



For some time, colours have served as an international signal language in mechanical engineering. The classic signal pillar are a popular solution for displaying statuses or information. But when these are installed outside of your field of view, it can lead to issues. This is one of the reasons why status displays are now commonly being installed inside machines or on their front housing, thus ensuring greater process security and providing an eye-catching visual feature. We recognised early on, that a combination of white light and RGB within one housing significantly reduced the amount of wiring and materials required, thus saving time and money. The market

agreed that we hit the mark with our all-in-one solution, since, as a pioneer in the industry, we supply a number of notable customers with RGBW machine luminaires. We combine white LEDs with RGB chips, selecting only ones with very low binning tolerances. This results in a very tight colour temperature spread, and therefore optimal lighting. In addition to six RGB colours, our RGBW luminaires provide pure, white light with a CRI >80. We don't just stop at status displays; we also supply solutions with individually controllable RGB chips for process displays or optical operator guidance.

LED Signal & Machine Lighting

Your advantages:

- Simultaneous lighting and signaling
- Homogenous and expansive illumination
- Resistant to water spray and dust

Possible applications

- Status displays
- Machine compartment lighting

HELULIGHT® CLASSIC-RGB



Online Shop



IP54
24 V DC

Lengths in mm	140, 280, 560, 840, 1120, 1400		
Cover	Diffused PMMA		
Housing	Anodised aluminium, plastic end caps		
Connector	M8 4 pin A-coded, daisy-chainable		
Colour	R	G	B
Lumens in lm	22–221	36–357	14–144
Output in W	1.1–10.5	0.5–4.5	1.2–12.0

HELULIGHT® CLASSIC-RGBW



Online Shop



IP54
24 V DC
5,700 K

Lengths in mm	140, 280, 560, 840, 1120, 1400			
Cover	Diffused PMMA			
Housing	Anodised aluminium, plastic end caps			
Connector	M8 5 pin B-coded, daisy-chainable			
Colour	R	G	B	W
Lumens in lm	49–487	122–1221	35–352	343–3430
Output in W	1.6–15.5	1.3–13.3	1.3–13.3	2.9–28.5

HELULIGHT® STATIC-RGBW



Online Shop



IP40
24 V DC
5,700 K

Lengths in mm	140, 280, 560, 840, 1120, 1400			
Cover	Diffused PMMA or PUd			
Housing	Anodised aluminium, plastic end caps			
Connector	M8 5 pin B-coded, daisy-chainable			
Colour	R	G	B	W
Lumens in lm	54–539	135–1353	39–391	379–3792
Output in W	1.6–15.5	1.3–13.3	1.3–13.3	2.9–28.5

HELULIGHT® SOLID40-RGBW



Online Shop



IP67
24 V DC
5,700 K

Lengths in mm	190, 365, 610, 1040			
Cover	Diffused PMMA			
Housing	Anodised aluminium, plastic end caps			
Connector	M12 5 pin A-coded, daisy-chainable			
Colour	R	G	B	W
Lumens in lm	44–310	104–727	29–205	297–2077
Output in W	1.6–10.9	1.3–9.2	1.3–9.2	2.9–20.1

HELULIGHT® POWER-RGBW



Online Shop



IP40
24 V DC
5,700 K

Lengths in mm	280, 560, 840, 1120, 1400			
Cover	Diffused PMMA			
Housing	Anodised aluminium			
Connector	M12 5 pin A-coded, daisy-chainable			
Colour	R	G	B	W
Lumens in lm	185–925	449–2246	121–605	1256–6280
Output in W	6.2–31.0	5.2–26.2	5.2–26.2	11.5–57.4

HELULIGHT® DUAL-W-RGB



Online Shop



IP54
24 V DC
5,700 K

Lengths in mm	280, 560, 840			
Cover	Diffused PC			
Housing	Anodised aluminium, plastic end caps			
Connector	M12 5 pin A-coded			
Colour	R	G	B	W
Lumens in lm	50–149	20–60	32–86	492–1476
Output in W	2.2–6.5	0.9–2.7	2.4–7.1	6.8–20.3

HELULIGHT SMART PROCESS



HELULIGHT SMART PROCESS: Bring colour into your process monitoring! HELULIGHT SMART PROCESS is a signal luminaire that allows for numerous machine and plant processes to be clearly visualised. These individually addressable, RGB LEDs make it possible for different operational parameters such as progress, fill levels, or temperature to be easily monitored visually by machine and systems operators. This luminaire offers comprehensive config-

uration options such as for colour and brightness which, thanks to its internal memory, are saved even after being turned off. Thanks to these analogue controls, the HELULIGHT SMART PROCESS is compatible with all common control systems and can be installed on nearly all machines, both in and outside the machine's housing. This makes the SMART PROCESS system a standardised and easy-to-implement solution for process visualisation.

LED Machine Luminaires with Signalling

Your advantages:

- Variable input voltage 12–30 V DC
- Stepless dimming function with 1.5–10 V (1.5 V at 20% remaining; from 9.5 V, 100%)
- Enhanced efficiency
- Higher luminous flux
- Consistent lighting without voltage drops thanks to its 12–30 V wide voltage range

Possible applications

- Applications in mechanical and plant engineering

HELULIGHT® SMART-PROCESS



Online Shop



IP40

12–30 V DC

Lengths in mm	500, 1000
Lumens in lm	approx. 410–4097
Output in W	3.5–7
Cover	Diffused PMMA
Housing	Anodised aluminium, plastic end caps
Dimmable	Stepless
Connector	M8 5 pin B-coded

HELULIGHT WORKPLACE



The negative effects of psychological glare are often underrated, however they include increased tiredness, reduced comfort, and finally a reduction in productivity at work. With their built-in prismatic cover, our workspace luminaires meet the requirements for UGR19 glare effect and ensure significantly reduced glare, focusing the light on the work area. To adjust the light to the individual needs of each employee, our workspace luminaires can be steplessly dimmed and have a built-in memory feature. Our luminaires are made out of an extruded, alumin-

ium body, have integrated T-slots, and are available in common lengths making installation at standard assembly stations easy. Thanks to the cascable nature of our luminaires, multiple may be seamlessly connected along long workbenches. This simplifies the installation and wiring required. Their photometric and mechanical properties make our workstation luminaires especially suited for workspaces and assembly stations, for quality control, and for laboratories and testing stations.

Ergonomic Workspace Luminaires

Your advantages:

- Maintenance-free: no replacing light sources
- Constant colour: quality LEDs
- No spotlights despite focusing
- UGR19 thanks to its prismatic structure
- Stepless dimming & memory function

Possible applications

- Assembly stations
- Quality control
- Laboratories
- Testing stations

HELULIGHT® WORKPLACE



Online Store



IP40

230 V
AC

5,700 K

Lengths in mm	400, 800, 1200
Lumens in lm	approx. 2282–6847
Output in W	16.1–50.4
Cover	Diamond-prism PMMA (UGR19)
Housing	Anodised aluminium, plastic end caps
Connector	GST18, daisy-chainable

Connection cable



Type of cable	GST/Schuko cable, 3p, FC/MC, 3x1.5, bk
Lengths in m	2, 3, 4
Number of poles	3

Extension cable



Type of cable	GST cable, 3p, FC/MC, 3x1.5 bk
Lengths in m	1, 2, 4
Number of poles	3

Mounting accessories



LED Installation Kit 1

LED Installation Kit 2

LED Installation Kit 3

HELULIGHT Accessories

EXTENSION CABLES



M8x1 FC/MC

Type of cable	M8 cable, 4p, FC/MC, A-cod, 4x0.25, PUR
Lengths in m	0.3, 0.6, 1.5, 3
Number of poles	4

Type of cable	M8 cable, 5p, FC/MC, B-cod, 5x0.25, PUR
Lengths in m	0.3, 0.6, 1.5, 3
Number of poles	5



M12x1 FC/MC

Type of cable	M12 cable, 5p, FC/MC, A-cod, 5x0.34, PUR
Lengths in m	0.3, 0.6, 1.5, 3
Number of poles	5

CONNECTING CABLES



M8x1 FC/OE

Type of cable	M8 cable, 4p, FC/OE, A-cod, 4x0.25, PUR
Lengths in m	5, 10
Number of poles	4

Type of cable	M8 cable, 5p, FC/OE, B-cod, 5x0.25, PUR
Lengths in m	5, 10
Number of poles	5



M12x1 FC/OE

Type of cable	M12 cable, 5p, FC/OE, A-cod, 5x0.34, PUR
Lengths in m	5, 10
Number of poles	5

ADAPTER CABLE



M8 on M12

Type of cable	M8 FC to M12 MC cable, 4p, A-cod, PUR, 0.3 m
Lengths in m	0.3
Number of poles	4

Type of cable	M8 FC, B-cod, on M12 MC, A-cod, 5p, PUR 0.3 m
Lengths in m	0.3
Number of poles	5

HELULIGHT Custom Solutions

Due to the increasing complexity and individuality of machines, so to are growing the technical requirements and design needs for systems and their components. This is causing lighting and signalling to increase in importance. As a fixed component, integrated into machines, they serve ever more often as a design tool or contribute to process safety through their visualisation of information. Often, one standard product does not fulfil all lighting, mechanical, and interfacing requirements at the same time. What sets us apart is our ability to find you a solution that does just that. We have a wide range of standard products and many years of experience at our disposal, meaning that developing a completely new solution isn't always necessary. This saves you valuable time and money.

You can count on custom, LED specialty solutions that are perfectly tailored to your requirements, and benefit from our expertise and economic prices.



According to Your Requirements

Your advantages:

- Modification of existing products or completely new developments
- Custom products made according to your needs
- We develop your perfect solution, exactly as you envision it

Our offerings

- Development of custom circuit boards
- Custom housing materials and colours
- Various cover materials
- Custom installation alternatives
- Different lighting temperatures

Personal Consultation

Industrial luminaires for optimal machine lighting or for optimally lighting workspaces are not something you simply replace. Everyone knows that. Exchanging or modernising require technical details to be

discussed. And other changes often need to be made. To this end, we offer personal support—from the first question to installation.

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NOTE: Not liable for technical changes or errors.

RS/HELLULIGHT INDUSTRIELLEUCHTEN/02..2026/EN/100VP

Always stay electrified.