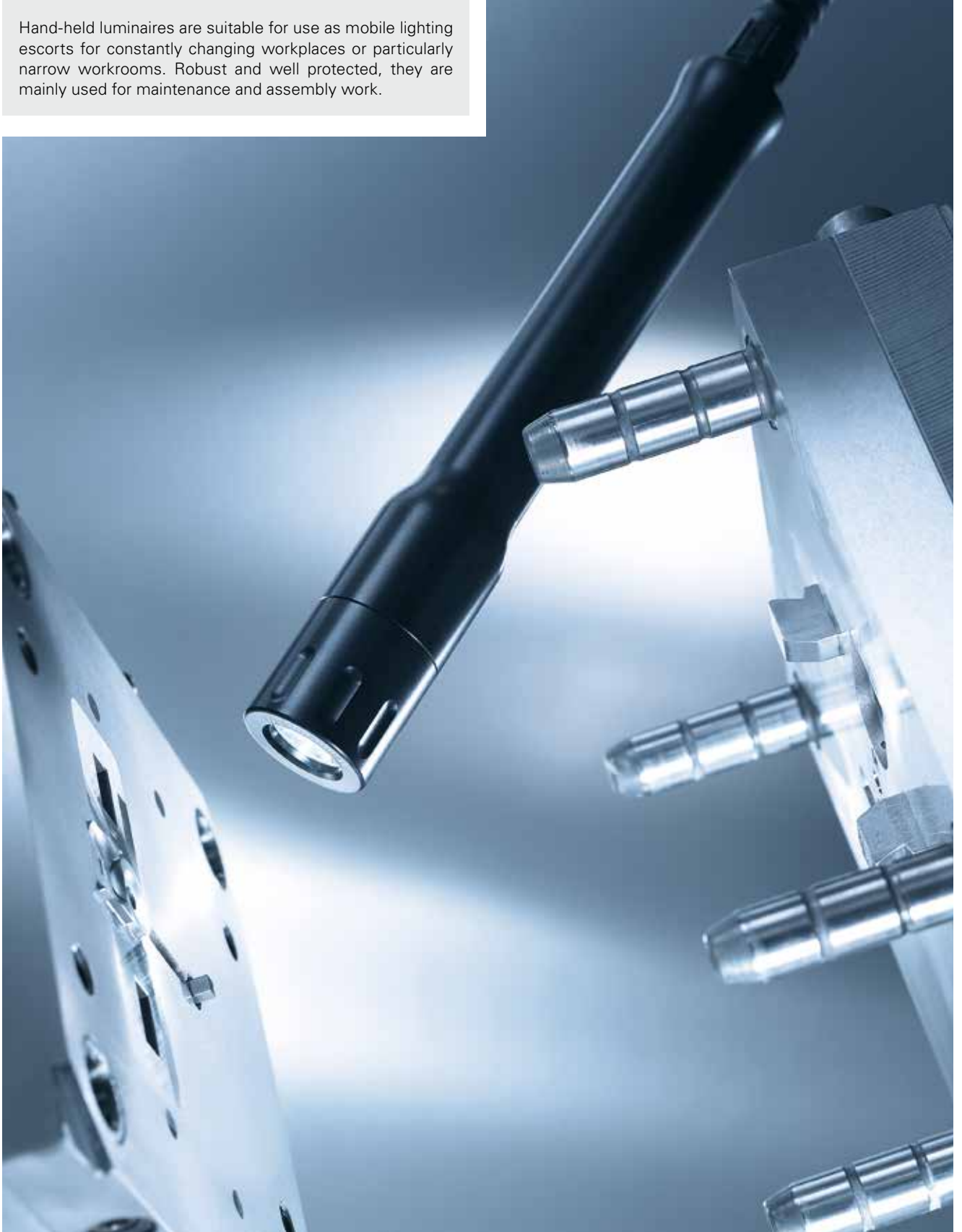















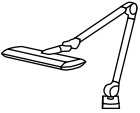
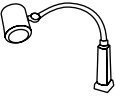
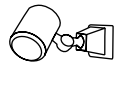
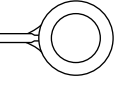
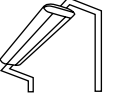
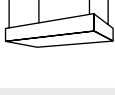



HAND-HELD LUMINAIRES

Hand-held luminaires are suitable for use as mobile lighting escorts for constantly changing workplaces or particularly narrow workrooms. Robust and well protected, they are mainly used for maintenance and assembly work.



HLWQE		  	150 - 151	<p>Integrated machine luminaires</p> 
HLC		  	152 - 153	<p>Surface-mounted luminaires</p> 
HLWC		  	154 - 155	<p>Tube luminaires</p> 
				<p>Arm-mounted luminaires</p> 
				<p>Flexible-tube luminaires</p> 
				<p>Pivoting-head luminaires</p> 
				<p>Magnifier luminaires</p> 
				<p>Workplace-system luminaires</p> 
				<p>Inspection luminaires</p> 
				<p>Hand-held luminaires</p> 

HLWQE

EXTREMELY HARD-WEARING.

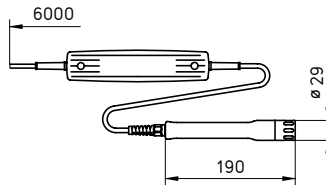
In inaccessible places, good lighting is particularly difficult. It is for this reason that the HLWQE is built to be as small and handy as a mini flashlight. Thanks to state-of-the-art LED technology, this luminaire knows no bounds when it comes to space. It is impact-proof, waterproof and does a good job even when in permanent use in the toughest conditions.

- Variants with narrow and wide angles of illumination
- Also suitable for use under extreme conditions such as high mechanical stress
- Maintenance-free: LED life of up to 50,000 hours and more



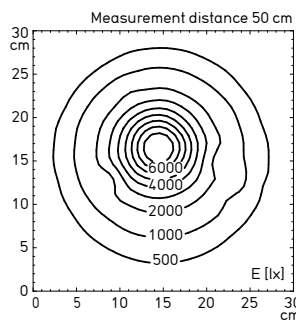


efficient^{light}

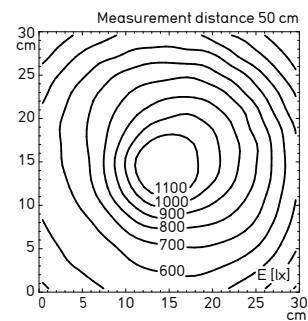


Features at a glance

- 1 x HIGH POWER LED
- Color temperature daylight white 6,000 K
- 6° or 25° angle of illumination
- Black aluminum anodized housing, 2 mm thick safety glass
- Mounting with magnetic luminaire bracket
- Without switch
- System of protection IP20 (IP67 luminaire head); class of protection II
- Supplied with 6 m mains lead and integrated power pack with plug type CEE 7/16 (Euro plug)



Illuminance with 6° lens



Illuminance with 25° lens

Integrated machine luminaires



Surface-mounted luminaires



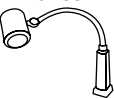
Tube luminaires



Arm-mounted luminaires



Flexible-tube luminaires



Pivoting-head luminaires



Magnifier luminaires



Workplace-system luminaires



Inspection luminaires



Hand-held luminaires



95 – 240 V, 50/60 HZ

CONSUMPTION	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	E_m/E_{max} *	MODEL	ORDER NO.
3 W	Integrated driver	ø 29 mm	6° lens	1219/8966 lx ¹	HLWQE 1	112 429 000 - 000 742 04
3 W	Integrated driver	ø 29 mm	25° lens	691/1260 lx ¹	HLWQE 1	112 429 001 - 000 743 54

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 50 cm

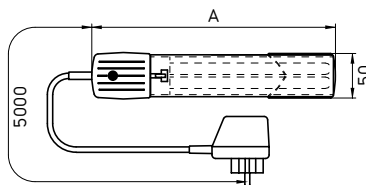
HLC

MOBILE POWER FOR YOUR WORKSHOP.



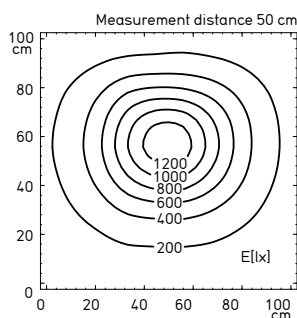
In industrial systems, the actual workroom is often limited, narrow and cramped. And things become even more extreme when you enter areas that rarely see the light of day during the course of maintenance work. To provide optimum visibility in such cases, you'd do well to choose the HLC hand luminaire: It features an extremely compact construction and strong, reliable, glare-free lighting even of unclearly structured rooms.

- Bright hand luminaire for area lighting
- For assembly, control and repair work applications
- Glare protection as a result of in-built reflectors



Features at a glance

- TC-S compact fluorescent lamp
- Color temperature neutral white 4,000 K
- Glare-free thanks to in-built reflector
- Black plastic housing
- Suspension by gambrel stick
- Without switch
- System of protection IP20; class of protection II
- Supplied with 5 m mains lead and ballast with plug type CEE 7/17 (shaped plug)



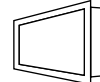
Illuminance based on the example 1 x 11 W

230 V, 50 HZ

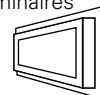
FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	E_m / E_{max}^*	MODEL	ORDER NO.
1 x 9 WTC-S	Conventional plug-in ballast	A = 205 mm x 50 mm	–	233/953 lx ¹	HLC 109	101 641 000 - 000 123 63
1 x 11 WTC-S	Conventional plug-in ballast	A = 274 mm x 50 mm	–	330/1310 lx ¹	HLC 111	101 651 000 - 000 123 68

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 100 cm x 100 cm / Measuring distance 50 cm

Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



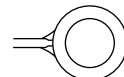
Flexible-tube luminaires



Pivoting-head luminaires



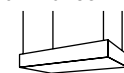
Magnifier luminaires



Workplace-system luminaires



Inspection luminaires



Hand-held luminaires



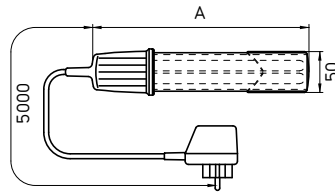
HLWC

IF THE SITUATION REQUIRES IT.

In working areas with adverse conditions where there is a desire for perfection, indestructible luminaires are required. The HLWC hand luminaire is the perfect choice. And this is because, thanks to its robust construction, it reliably provides bright light even under the influence of moisture and dirt.

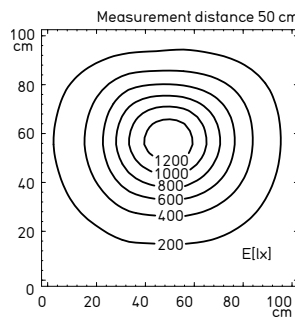
- Bright hand luminaire for difficult to access working areas
- Glare protection as a result of in-built reflectors
- For assembly, control and repair work applications
- High system of protection





Features at a glance

- TC-S compact fluorescent lamp
- Color temperature neutral white 4,000 K
- Glare-free thanks to in-built reflector
- Black plastic housing
- Suspension by gambrel stick
- Without switch
- System of protection IP67; class of protection II
- Supplied with 5 m mains lead and ballast with plug type CEE 7/17 (shaped plug)



Illuminance based on the example 1 x 11 W

230 V, 50 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	E_m / E_{max}^*	MODEL	ORDER NO.
1 x 9 W TC-S	Conventional plug-in ballast	A = 195 mm x 50 mm	–	233/953 lx ¹	HLWC 109	110 851 000 - 000 647 13
1 x 11 W TC-S	Conventional plug-in ballast	A = 265 mm x 50 mm	–	330/1310 lx ¹	HLWC 111	110 861 000 - 000 141 34

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 100 cm x 100 cm / Measuring distance 50 cm

Integrated machine luminaires



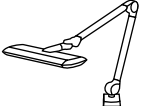
Surface-mounted luminaires



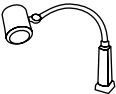
Tube luminaires



Arm-mounted luminaires



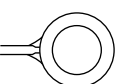
Flexible-tube luminaires



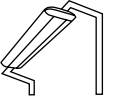
Pivoting-head luminaires



Magnifier luminaires



Workplace-system luminaires



Inspection luminaires



Hand-held luminaires

