

- Innovative LED technology
- Perfect illumination
- Plug-in solutions

SIGNALING AND ILLUMINATION

from Murrelektronik





DISTINCT SIGNALS AND PERFECT ILLUMINATION IN DAYLIGHT QUALITY

Murrelektronik's signal towers and signal lights ensure clear signaling in machines and plant equipment. The machine lights allow for perfect illumination in daylight quality. The Murrelektronik solutions for these applications offer first-class advantages:

- LED technology ensures a **high light yield** and guarantees **long service life** along low energy consumption
- For all of its product versions, Murrelektronik offers **plug-in solutions**, such as M8 or M12, so that installation goes **as quickly as possible**.
- The compactness of the lights and signal towers means they can be used **in narrow or tight spaces**. After all, space in machine or plant equipment is usually a rare commodity.



Modlight Pro LED signal towers

The signal towers are characterized by maximum flexibility in color selection and color composition. The elements of the signal towers with diameters of 50 and 70 millimeters are connected by bayonet locks, making assembly easy and quick. The signal towers can be flexibly mounted.

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Comlight57 LED signal lights

The signal lights provide clear signals. With a diameter of only 57 millimeters, the compact luminaires are easy to install in confined space or directly at workplaces. They are suitable for use in demanding industrial environments and in building automation.

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Modlight Illumix LED machine light

The machine lights of the Modlight Illumix series ensure optimal illumination of machines and systems based on maintenance-free and durable LED technology in daylight quality. Rotatable mounting brackets provide flexibility in attaching the lights.

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CLEAR SIGNALS THANKS TO OPTIMUM LIGHT OUTPUT

The Modlight Pro LED signal towers from Murrelektronik are characterized by maximum flexibility in color selection and color composition. The five differently colored signal elements can be combined in any way. It is also possible to use a buzzer element to integrate an acoustic signal into the signal tower.

The elements of the signal towers with diameters of 50 and 70 millimeters are connected by bayonet locks, making assembly easy and quick. The optimal arrangement of the reflection system and the use of high-power LEDs ensure an enormous light output. Signals are clearly visible from a long distance.

Thanks to its closed design, the Modlight Pro signal tower is sealed in accordance with IP65. Numerous approvals enable worldwide use. The signal towers' application possibilities are virtually unlimited; they are also suitable for use in building automation, for example.

The signal towers can be flexibly mounted. A special feature is the magnetic base with M12 plug-in connection: The tower can be quickly mounted and also removed temporarily for transportation.

The Modlight30 is suitable for applications where signals need only be visible over short distances.

Reliable

- maintenance-free over the entire service life of a machine
- very long LED service life
- optimum light yield
- visible from all sides
- insensitive to vibration

Economical






- innovative and energy-saving LED technology
- no bulb replacement required
- M12 plug-in connection for easy mounting
- flexible mounting options (floor, pipe and wall mounting)







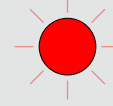
Safe

- fast locking via bayonet locks requiring no tools
- sealed according to IP65
- smooth surface makes cleaning easy
- color-coded LED modules and terminals to avoid installation errors



OVERVIEW OF LED SIGNAL TOWERS

| Series | Modlight30 | Modlight50 Pro | Modlight70 Pro |
|----------------------------------|---|---|---|
| |  |  |  |
| Mounting | Firmly mounted | Modular | Modular |
| Diameter | 30 mm | 50 mm | 70 mm |
| Degree of protection IP65 | ✓ | ✓ | ✓ |
| LED lamp | ✓ | ✓ | ✓ |
| Max. buzzer volume | – | 85 dB | 90 dB |
| Number of possible signal levels | 3 | 5 plus buzzer | 5 plus buzzer |
| Voltage | 24 V AC/DC | 24 V DC | 24 V DC |
| M12 connection | ✓ | – | ✓ |
| Approval |  |  |  |

| Luminous signals | Buzzer / flash signals |
|---|--|
|  Emergency Dangerous condition  Abnormal Abnormal condition, impending critical condition  Normal Normal condition  Mandatory Signaling of a condition that requires operator action  Neutral Other conditions; may be used if in doubt about the use of RED, YELLOW, GREEN or BLUE |  <p>Buzzer For environments with a large amount of scattered light and acoustic influences</p>  <p>Flash signals</p> <ul style="list-style-type: none"> • Cause increased attention • Prompt immediate reaction • Signaling of nominal and actual states • Signaling of a cycle change (remain on during transition) |

According to standards IEC 60204-1, IEC 60073

POWERFUL SINGLE LUMINAIRES

The Comlight57 signal lights featuring modern high-power LEDs provide clear signals in machines and systems. An innovative prism cut makes them shine exceptionally bright.

With a diameter of only 57 millimeters, the compact luminaires are easy to install in confined space or directly at workplaces.

The Comlight57 signal lights are available in the colors Red, Yellow, Green, Blue and Clear. This diversity enables standard-compliant signaling in machines and systems.

The single luminaires are robust and extremely resistant to shock and vibration. They are suitable for use in demanding industrial environments and in building automation.

The signal lights are available either with M16 thread and spring clamp terminals or with integrated M12 connection for direct connection of a pre-assembled cable.

The benefits of Comlight57 at a glance

- unambiguous and intensely bright signaling
- very long LED service life
- practical solution for confined space situations
- low energy consumption thanks to innovative LED technology
- quick mounting and no maintenance
- sealed according to IP65



OVERVIEW OF LED SINGLE LUMINAIRES

| Series | Comlight57 | Comlight57 |
|-----------------------|--|---|
| |  |  |
| Degree of protection | IP65 in plugged and locked state (EN 60529) | |
| Material | Plastic housing | |
| Connection technology | Spring clamp terminal | M12 |

PERFECT ILLUMINATION IN DAYLIGHT QUALITY

The machine lights of the Modlight Illumix series ensure optimal illumination of machines and systems based on maintenance-free and durable LED technology in daylight quality.

Their compact design makes them ideally suited for use in confined space. Rotatable mounting brackets provide additional flexibility in attaching the lights. M8 and M12 plug-in connection guarantee quick and error-free installation.

Practice-oriented: All Modlight Illumix luminaires can be controlled directly with a large number of Murrelektronik fieldbus modules.




Modlight Illumix Slim Line for use in industrial and plant facilities

Modlight Illumix Classic Line for use in environments in which coolants and lubricants, flying chips or sparks are encountered

Modlight Illumix Xtreme Line for use under tough conditions in industrial and plant facilities

OVERVIEW OF MACHINE LIGHTS



| Series | Modlight Illumix Slim Line | Modlight Illumix Classic Line | Modlight Illumix Xtreme Line |
|-----------------------|---|---|---|
| |  |  |  |
| Degree of protection | IP54 | IP67 | IP69K |
| Material | Plastic housing | Metal housing (and toughened safety glass) | |
| Connection technology | M8 | M12 | M12 in V2A stainless steel quality |
| Material resistance | – | To coolants and lubricants | |

MODLIGHT SIGNAL TOWER ORDER DATA

| Sets | | | Art.-No. |
|---|---|--|---------------------------|
|  | Modlight30 (green/yellow/red) | | |
| | Connecting element + LED modules | Connecting cable L = 300 mm | 4000-75324-5310000 |
| | Connecting element + LED modules | Connection: M12 (bottom), plug, 4 pins | 4000-75330-5310000 |
|  | Modlight50 Pro (green/yellow/red) | | |
| | Base + LED modules | | 4000-76501-5310000 |
|  | Modlight70 Pro (green/yellow/red) | | |
| | Base + LED modules + M12 (bottom) | Connection: M12 (bottom), plug, 8 pins | 4000-76704-5310000 |
| | Base, buzzer + LED modules + M12 (bottom) | Connection: M12 (bottom), plug, 8 pins | 4000-76705-5310000 |
|  | Modlight70 Pro (green/yellow/red) | | |
| | Base + LED modules + M12 (side) | Connection: M12 (bottom), plug, 8 pins | 4000-76712-5310000 |
| | Base, buzzer + LED modules + M12 (side) | Connection: M12 (bottom), plug, 8 pins | 4000-76713-5310000 |
| Connecting elements | | | Art.-No. |
|  | Base for floor mounting | | |
| | Modlight50 Pro | Spring clamp terminal cURus | 4000-76050-1100002 |
| | Modlight70 Pro | Spring clamp terminal cURus | 4000-76070-1100002 |
|  | Base for tube mounting | | |
| | Modlight50 Pro | Spring clamp terminal cURus | 4000-76050-1100003 |
| | Modlight70 Pro | Spring clamp terminal cURus | 4000-76070-1100003 |
|  | Modlight70 Pro | | |
| | Base | Connection: M12 (bottom), plug, 8 pins | 4000-76070-1300002 |

| Connecting elements | | | Art.-No. |
|---|-----------------------------------|--------------------------------------|--------------------|
|  | Modlight70 Pro | | |
| | Base | Connection: M12 (side), plug, 8 pins | 4000-76070-1400002 |
| | Base with magnetic holder | Connection: M12 (side), plug, 8 pins | 4000-76070-1500002 |
| Buzzer modules | | | Art.-No. |
|  | Modlight50 Pro buzzer module | | 4000-76050-1100004 |
| | Modlight70 Pro buzzer module | | 4000-76070-1100004 |
| LED modules | | | Art.-No. |
|  | Modlight50 Pro LED module, red | | 4000-76050-1011000 |
| | Modlight70 Pro LED module, red | | 4000-76070-1011000 |
|  | Modlight50 Pro LED module, yellow | | 4000-76050-1012000 |
| | Modlight70 Pro LED module, yellow | | 4000-76070-1012000 |
|  | Modlight50 Pro LED module, green | | 4000-76050-1013000 |
| | Modlight70 Pro LED module, green | | 4000-76070-1013000 |
|  | Modlight50 Pro LED module, blue | | 4000-76050-1014000 |
| | Modlight70 Pro LED module, blue | | 4000-76070-1014000 |
|  | Modlight50 Pro LED module, clear | | 4000-76050-1015000 |
| | Modlight70 Pro LED module, clear | | 4000-76070-1015000 |

| Modlight30 accessories | | | Art.-No. |
|---|-----------------------------------|--|--------------------|
|  | Adapter for wall mounting | | |
| | | | 4000-75030-0000903 |
| Modlight50/70 accessories | | | Art.-No. |
|  | Adapter for tube mounting, bottom | | |
| | | For Modlight50/70 Pro | 4000-76070-0000901 |
|  | Adapter for tube wall mounting | | |
| | | For Modlight50/70 Pro | 4000-76070-0000902 |
|  | Adapter for wall mounting | | |
| | | For Modlight70 Pro | 4000-76070-0000903 |
|  | Adapter for wall mounting | | |
| | | For Modlight70 Pro | 4000-75070-0000904 |
|  | Aluminum tube | | |
| | 300 mm | For Modlight50/70 Pro | 4000-76070-0000913 |
| | 800 mm | For Modlight50/70 Pro | 4000-76070-0000918 |
|  | Magnetic base | | |
| | With M16 x 1.5 screw connection | Cable entry on the side For Modlight50/70 Pro | 4000-75070-0000920 |
|  | Magnetic base | | |
| | With M12 plug, 8 pins | Connection at the side For Modlight50/70 Pro | 4000-75070-0000921 |




| Modlight50/70 accessories | | | Art.-No. |
|---|-------------------------|--------------------------------|---------------------------|
|  | Mounting adapter | | |
| | For strain relief | Outlet facing down or sideways | 4000-75070-0000922 |
|  | Signboard | | |
| | Transparent | For Modlight50 Pro | 4000-76050-0000923 |
| | Transparent | For Modlight70 Pro | 4000-76070-0000923 |

COMLIGHT57 SINGLE LUMINAIRE ORDER DATA

| Compact signal lights | | | Art.-No. |
|---|-------------------|--|---------------------------|
|  | Comlight57 | | |
| | Red | Spring clamp terminal connection | 4000-75057-1111000 |
| | Red | Connection: M12 (bottom), plug, 4 pins | 4000-75057-1311000 |
|  | Comlight57 | | |
| | Yellow | Spring clamp terminal connection | 4000-75057-1112000 |
| | Yellow | Connection: M12 (bottom), plug, 4 pins | 4000-75057-1312000 |
|  | Comlight57 | | |
| | Green | Spring clamp terminal connection | 4000-75057-1113000 |
| | Green | Connection: M12 (bottom), plug, 4 pins | 4000-75057-1313000 |
|  | Comlight57 | | |
| | Blue | Spring clamp terminal connection | 4000-75057-1114000 |
| | Blue | Connection: M12 (bottom), plug, 4 pins | 4000-75057-1314000 |
|  | Comlight57 | | |
| | Clear | Spring clamp terminal connection | 4000-75057-1115000 |
| | Clear | Connection: M12 (bottom), plug, 4 pins | 4000-75057-1315000 |

ILLUMIX MACHINE LIGHT ORDER DATA

| LED machine lights | | | Art.-No. |
|---|---|---------------------------|---------------------------|
|  | Modlight Illumix Slim Line | | |
| | 4 W - 24 V DC Connection: M8, plug, 4 pins | IP54 cULus | 4000-75800-1715004 |
| | 8 W - 24 V DC Connection: M8, plug, 4 pins | IP54 cULus | 4000-75800-1715008 |
| | 16 W - 24 V DC Connection: M8, plug, 4 pins | IP54 cULus | 4000-75800-1715016 |
| | 24 W - 24 V DC Connection: M8, plug, 4 pins | IP54 cULus | 4000-75800-1715024 |
| | 32 W - 24 V DC Connection: M8, plug, 4 pins | IP54 cULus | 4000-75800-1715032 |
|  | Modlight Illumix Slim Line C | | |
| | 4 W - 24 V DC Connection: M8, plug/socket, 4 pins Expandable | IP54 cULus | 4000-75900-1715004 |
| | 8 W - 24 V DC Connection: M8, plug/socket, 4 pins Expandable | IP54 cULus | 4000-75900-1715008 |
| | 16 W - 24 V DC Connection: M8, plug/socket, 4 pins Expandable | IP54 cULus | 4000-75900-1715016 |
| | 24 W - 24 V DC Connection: M8, plug/socket, 4 pins Expandable | IP54 cULus | 4000-75900-1715024 |
| | 32 W - 24 V DC Connection: M8, plug/socket, 4 pins Expandable | IP54 cULus | 4000-75900-1715032 |
|  | Modlight Illumix Classic Line | | |
| | 6 W - 24 V DC Connection: M12, plug, 4 pins | IP67 cULus | 4000-75801-1415006 |
| | 12 W - 24 V DC Connection: M12, plug, 4 pins | IP67 cULus | 4000-75801-1415012 |
| | 18 W - 24 V DC Connection: M12, plug, 4 pins | IP67 cULus | 4000-75801-1415018 |
| 24 W - 24 V DC Connection: M12, plug, 4 pins | IP67 cULus | 4000-75801-1415024 | |

| LED machine lights | | | Art.-No. |
|---|--|----------------|---------------------------|
|  | Modlight Illumix Classic Line C | | |
| | 6 W - 24 V DC Connection: M12, plug/socket, 4 pins Expandable | IP67 cULus | 4000-75901-1415006 |
| | 12 W - 24 V DC Connection: M12, plug/socket, 4 pins Expandable | IP67 cULus | 4000-75901-1415012 |
| | 18 W - 24 V DC Connection: M12, plug/socket, 4 pins Expandable | IP67 cULus | 4000-75901-1415018 |
| | 24 W - 24 V DC Connection: M12, plug/socket, 4 pins Expandable | IP67 cULus | 4000-75901-1415024 |
|  | Modlight Illumix Xtreme | | |
| | 27 W - 24 V DC Connection: M12, plug, 5 pins | IP69K cULus | 4000-75827-1315000 |
|  | Modlight Illumix Xtreme | | |
| | Joint head | | 4000-75800-0000900 |

Matching connection technology and accompanying information material can be found in our **online shop**:

➔ onlineshop.murrelektronik.com

NOTES

A large grid of small dots for taking notes, consisting of 25 columns and 30 rows of dots.



stay connected

➔ www.murrelektronik.com

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