



# Maxos LED Industry – innovative, flexible solution delivers ideal light output

## Maxos LED

Customers in the industrial and retail sectors are looking for general lighting solutions with a justifiable payback, while meeting all relevant norms for supermarkets and industry applications. For a limited investment, Maxos LED Industry offers best-in-class energy savings while delivering high lux levels at the required color temperatures and glare factors. The minimalistic Maxos LED Industry system comprises exchangeable mid-power LED boards mounted on a standard Maxos trunking rail. A choice of wide and medium-beam lenses means flexibility in light distribution. Compared with a conventional fluorescent installation, this highly efficient LED solution offers full payback in less than three years. And the benefits keep coming: the use of our upgradable LED engine platform makes Maxos LED Industry a truly future-proof solution.

### Benefits

- Substantial energy savings for a limited investment
- Comfortable light, long lifetime
- Compatibility with proven Maxos trunking system

## Features

- Mid-power LED boards; exchangeable LED unit
- Up to 138 lm/W efficiency
- LED gear trays for T5 and TL-D-length trunkings (high lumen output); replacement LED gear trays with same lumen packages as installed T5 and TL-D solutions (lower wattage)
- Choice of narrow, medium, double asymmetric and asymmetric lenses
- Compatible with our standard Maxos and TTX400 rails for TL5 49 W and TL-D 58 W lengths

## Application

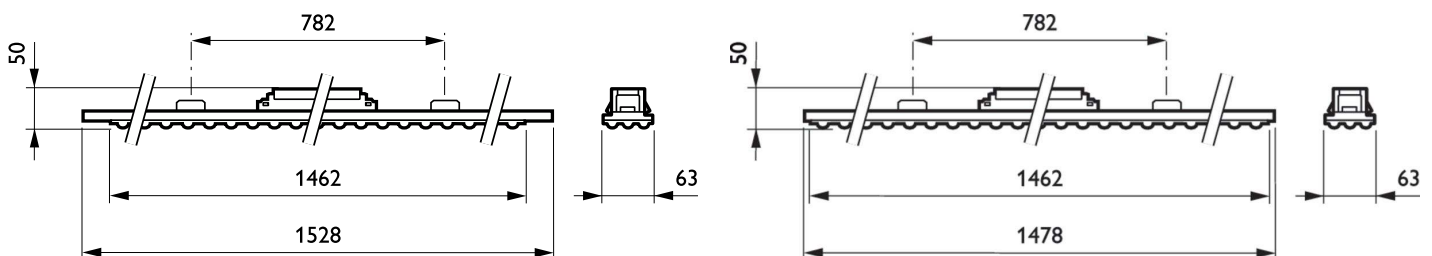
- Industry
- Warehouses
- Supermarkets, DIY stores, electronics retailers
- Showrooms

## Versions



IPPR 4MX850i 0003

## Dimensional drawing



Product details



IPDP\_4MX850i\_0001-Detail  
photo



IPDP\_4MX850i\_0003-Detail  
photo



IPDP\_4MX850i\_0005-Detail  
photo

| General Information                 |                                    |
|-------------------------------------|------------------------------------|
| Driver included                     | Yes                                |
| Gear                                | -                                  |
| Light source replaceable            | No                                 |
| Number of gear units                | 1 unit                             |
| Service tag                         | Yes                                |
| Light Technical                     |                                    |
| Beam angle of light source          | 120 degree(s)                      |
| Color rendering index (CRI)         | >80                                |
| Number of light sources             | 1                                  |
| Operating and Electrical            |                                    |
| Protection class IEC                | Safety class I                     |
| Input Voltage                       | 220-240 V                          |
| Line Frequency                      | 50 to 60 Hz                        |
| Suitable for random switching       | Not applicable                     |
| Controls and Dimming                |                                    |
| Dimmable                            | Yes                                |
| Maximum dim level                   | 1%                                 |
| Mechanical and Housing              |                                    |
| Optical cover type                  | Polymethyl methacrylate bowl/cover |
| Mech. impact protection code        | IK02                               |
| Ingress protection code             | IP20                               |
| Approval and Application            |                                    |
| Ambient temperature range           | -20 to +35 °C                      |
| CE mark                             | Yes                                |
| ENEC mark                           | ENEC mark                          |
| Flammability mark                   | -                                  |
| Glow-wire test                      | Temperature 650 °C, duration 30 s  |
| Initial Performance (IEC Compliant) |                                    |
| Luminous flux tolerance             | +/-10%                             |
| Product Data                        |                                    |
| Product family code                 | 4MX850                             |

General Information

| Order Code | Full Product Name               | Lamp family code |
|------------|---------------------------------|------------------|
| 67282099   | 4MX850 491 LED80S/840 PSD WB WH | LED80S           |
| 66125199   | 4MX850 491 LED55S/830 PSD NB SI | LED55S           |
| 66126899   | 4MX850 491 LED55S/840 PSD NB SI | LED55S           |
| 66127599   | 4MX850 491 LED55S/830 PSD WB SI | LED55S           |
| 66128299   | 4MX850 491 LED55S/840 PSD WB SI | LED55S           |
| 66129999   | 4MX850 581 LED55S/830 PSD NB SI | LED55S           |
| 66130599   | 4MX850 581 LED55S/840 PSD NB SI | LED55S           |
| 66131299   | 4MX850 581 LED55S/830 PSD WB SI | LED55S           |
| 66132999   | 4MX850 581 LED55S/840 PSD WB SI | LED55S           |
| 66117699   | 4MX850 491 LED55S/830 PSD NB WH | LED55S           |
| 66118399   | 4MX850 491 LED55S/840 PSD NB WH | LED55S           |
| 66119099   | 4MX850 491 LED55S/830 PSD WB WH | LED55S           |
| 66120699   | 4MX850 491 LED55S/840 PSD WB WH | LED55S           |
| 66121399   | 4MX850 581 LED55S/830 PSD NB WH | LED55S           |
| 66122099   | 4MX850 581 LED55S/840 PSD NB WH | LED55S           |
| 66123799   | 4MX850 581 LED55S/830 PSD WB WH | LED55S           |
| 66124499   | 4MX850 581 LED55S/840 PSD WB WH | LED55S           |
| 66168899   | 4MX850 491 LED40S/840 PSD WB WH | LED40S           |

Light Technical

| Order Code | Full Product Name               | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux | Optic type |
|------------|---------------------------------|------------------------------------|---------------------------------|---------------|------------|
|            |                                 |                                    |                                 |               |            |
| 67282099   | 4MX850 491 LED80S/840 PSD WB WH | 4000 K                             | 166 lm/W                        | 8,000 lm      | Wide beam  |

| Order Code | Full Product Name               | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux | Optic type  |
|------------|---------------------------------|------------------------------------|---------------------------------|---------------|-------------|
|            |                                 |                                    |                                 |               |             |
| 66125199   | 4MX850 491 LED55S/830 PSD NB SI | 3000 K                             | 160 lm/W                        | 5,200 lm      | Narrow beam |

| Order Code | Full Product Name               | Correlated Color  | Luminous Efficacy | Luminous Flux | Optic type  |
|------------|---------------------------------|-------------------|-------------------|---------------|-------------|
|            |                                 | Temperature (Nom) | (rated) (Nom)     |               |             |
| 66126899   | 4MX850 491 LED55S/840 PSD NB SI | 4000 K            | 169 lm/W          | 5,500 lm      | Narrow beam |
| 66127599   | 4MX850 491 LED55S/830 PSD WB SI | 3000 K            | 160 lm/W          | 5,200 lm      | Wide beam   |
| 66128299   | 4MX850 491 LED55S/840 PSD WB SI | 4000 K            | 169 lm/W          | 5,500 lm      | Wide beam   |
| 66129999   | 4MX850 581 LED55S/830 PSD NB SI | 3000 K            | 160 lm/W          | 5,200 lm      | Narrow beam |
| 66130599   | 4MX850 581 LED55S/840 PSD NB SI | 4000 K            | 169 lm/W          | 5,500 lm      | Narrow beam |
| 66131299   | 4MX850 581 LED55S/830 PSD WB SI | 3000 K            | 160 lm/W          | 5,200 lm      | Wide beam   |
| 66132999   | 4MX850 581 LED55S/840 PSD WB SI | 4000 K            | 169 lm/W          | 5,500 lm      | Wide beam   |
| 66117699   | 4MX850 491 LED55S/830 PSD NB WH | 3000 K            | 160 lm/W          | 5,200 lm      | Narrow beam |

| Order Code | Full Product Name               | Correlated Color  | Luminous Efficacy | Luminous Flux | Optic type  |
|------------|---------------------------------|-------------------|-------------------|---------------|-------------|
|            |                                 | Temperature (Nom) | (rated) (Nom)     |               |             |
| 66118399   | 4MX850 491 LED55S/840 PSD NB WH | 4000 K            | 169 lm/W          | 5,500 lm      | Narrow beam |
| 66119099   | 4MX850 491 LED55S/830 PSD WB WH | 3000 K            | 160 lm/W          | 5,200 lm      | Wide beam   |
| 66120699   | 4MX850 491 LED55S/840 PSD WB WH | 4000 K            | 169 lm/W          | 5,500 lm      | Wide beam   |
| 66121399   | 4MX850 581 LED55S/830 PSD NB WH | 3000 K            | 160 lm/W          | 5,200 lm      | Narrow beam |
| 66122099   | 4MX850 581 LED55S/840 PSD NB WH | 4000 K            | 169 lm/W          | 5,500 lm      | Narrow beam |
| 66123799   | 4MX850 581 LED55S/830 PSD WB WH | 3000 K            | 160 lm/W          | 5,200 lm      | Wide beam   |
| 66124499   | 4MX850 581 LED55S/840 PSD WB WH | 4000 K            | 169 lm/W          | 5,500 lm      | Wide beam   |
| 66168899   | 4MX850 491 LED40S/840 PSD WB WH | 4000 K            | 166 lm/W          | 4,000 lm      | Wide beam   |

Operating and Electrical

| Order Code | Full Product Name               | Power Consumption |
|------------|---------------------------------|-------------------|
| 67282099   | 4MX850 491 LED80S/840 PSD WB WH | 48 W              |
| 66125199   | 4MX850 491 LED55S/830 PSD NB SI | 32.5 W            |
| 66126899   | 4MX850 491 LED55S/840 PSD NB SI | 32.5 W            |
| 66127599   | 4MX850 491 LED55S/830 PSD WB SI | 32.5 W            |
| 66128299   | 4MX850 491 LED55S/840 PSD WB SI | 32.5 W            |
| 66129999   | 4MX850 581 LED55S/830 PSD NB SI | 32.5 W            |
| 66130599   | 4MX850 581 LED55S/840 PSD NB SI | 32.5 W            |
| 66131299   | 4MX850 581 LED55S/830 PSD WB SI | 32.5 W            |
| 66132999   | 4MX850 581 LED55S/840 PSD WB SI | 32.5 W            |

| Order Code | Full Product Name               | Power Consumption |
|------------|---------------------------------|-------------------|
| 66117699   | 4MX850 491 LED55S/830 PSD NB WH | 32.5 W            |
| 66118399   | 4MX850 491 LED55S/840 PSD NB WH | 32.5 W            |
| 66119099   | 4MX850 491 LED55S/830 PSD WB WH | 32.5 W            |
| 66120699   | 4MX850 491 LED55S/840 PSD WB WH | 32.5 W            |
| 66121399   | 4MX850 581 LED55S/830 PSD NB WH | 32.5 W            |
| 66122099   | 4MX850 581 LED55S/840 PSD NB WH | 32.5 W            |
| 66123799   | 4MX850 581 LED55S/830 PSD WB WH | 32.5 W            |
| 66124499   | 4MX850 581 LED55S/840 PSD WB WH | 32.5 W            |
| 66168899   | 4MX850 491 LED40S/840 PSD WB WH | 24 W              |

Mechanical and Housing

| Order Code | Full Product Name               | Housing Color |
|------------|---------------------------------|---------------|
| 67282099   | 4MX850 491 LED80S/840 PSD WB WH | White         |
| 66125199   | 4MX850 491 LED55S/830 PSD NB SI | Silver        |
| 66126899   | 4MX850 491 LED55S/840 PSD NB SI | Silver        |
| 66127599   | 4MX850 491 LED55S/830 PSD WB SI | Silver        |
| 66128299   | 4MX850 491 LED55S/840 PSD WB SI | Silver        |
| 66129999   | 4MX850 581 LED55S/830 PSD NB SI | Silver        |
| 66130599   | 4MX850 581 LED55S/840 PSD NB SI | Silver        |

| Order Code | Full Product Name               | Housing Color |
|------------|---------------------------------|---------------|
| 66131299   | 4MX850 581 LED55S/830 PSD WB SI | Silver        |
| 66132999   | 4MX850 581 LED55S/840 PSD WB SI | Silver        |
| 66117699   | 4MX850 491 LED55S/830 PSD NB WH | White         |
| 66118399   | 4MX850 491 LED55S/840 PSD NB WH | White         |
| 66119099   | 4MX850 491 LED55S/830 PSD WB WH | White         |
| 66120699   | 4MX850 491 LED55S/840 PSD WB WH | White         |
| 66121399   | 4MX850 581 LED55S/830 PSD NB WH | White         |

| Order Code | Full Product Name               | Housing Color |
|------------|---------------------------------|---------------|
| 66122099   | 4MX850 581 LED55S/840 PSD NB WH | White         |
| 66123799   | 4MX850 581 LED55S/830 PSD WB WH | White         |

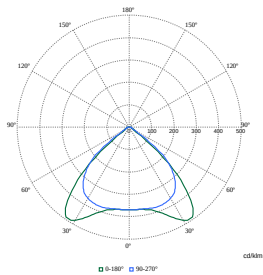
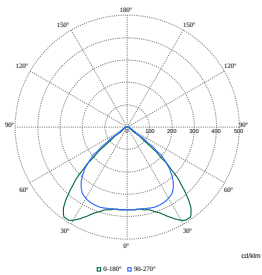
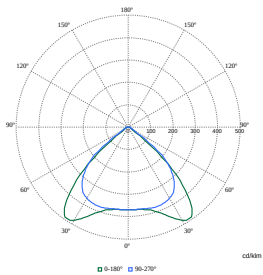
| Order Code | Full Product Name               | Housing Color |
|------------|---------------------------------|---------------|
| 66124499   | 4MX850 581 LED55S/840 PSD WB WH | White         |
| 66168899   | 4MX850 491 LED40S/840 PSD WB WH | White         |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name               | Initial chromaticity   |
|------------|---------------------------------|------------------------|
| 67282099   | 4MX850 491 LED80S/840 PSD WB WH | (0.38, 0.38) SDCM <3.5 |
| 66125199   | 4MX850 491 LED55S/830 PSD NB SI | (0.43, 0.40) SDCM <3.5 |
| 66126899   | 4MX850 491 LED55S/840 PSD NB SI | (0.38, 0.38) SDCM <3.5 |
| 66127599   | 4MX850 491 LED55S/830 PSD WB SI | (0.43, 0.40) SDCM <3.5 |
| 66128299   | 4MX850 491 LED55S/840 PSD WB SI | (0.38, 0.38) SDCM <3.5 |
| 66129999   | 4MX850 581 LED55S/830 PSD NB SI | (0.43, 0.40) SDCM <3.5 |
| 66130599   | 4MX850 581 LED55S/840 PSD NB SI | (0.38, 0.38) SDCM <3.5 |
| 66131299   | 4MX850 581 LED55S/830 PSD WB SI | (0.43, 0.40) SDCM <3.5 |
| 66132999   | 4MX850 581 LED55S/840 PSD WB SI | (0.38, 0.38) SDCM <3.5 |

| Order Code | Full Product Name               | Initial chromaticity   |
|------------|---------------------------------|------------------------|
| 66117699   | 4MX850 491 LED55S/830 PSD NB WH | (0.43, 0.40) SDCM <3.5 |
| 66118399   | 4MX850 491 LED55S/840 PSD NB WH | (0.38, 0.38) SDCM <3.5 |
| 66119099   | 4MX850 491 LED55S/830 PSD WB WH | (0.43, 0.40) SDCM <3.5 |
| 66120699   | 4MX850 491 LED55S/840 PSD WB WH | (0.38, 0.38) SDCM <3.5 |
| 66121399   | 4MX850 581 LED55S/830 PSD NB WH | (0.43, 0.40) SDCM <3.5 |
| 66122099   | 4MX850 581 LED55S/840 PSD NB WH | (0.38, 0.38) SDCM <3.5 |
| 66123799   | 4MX850 581 LED55S/830 PSD WB WH | (0.43, 0.40) SDCM <3.5 |
| 66124499   | 4MX850 581 LED55S/840 PSD WB WH | (0.38, 0.38) SDCM <3.5 |
| 66168899   | 4MX850 491 LED40S/840 PSD WB WH | (0.38, 0.38) SDCM <3.5 |

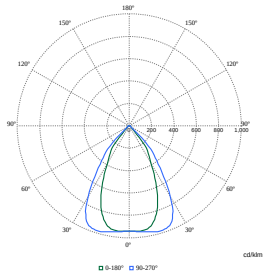
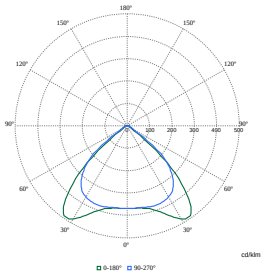
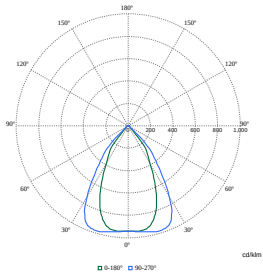
Polar Wide Diagrams



Polar Normal (separate) - 4MX850I - 910629121126

Polar Normal (separate) - 4MX850I - 910629167526

Polar Normal (separate) - 4MX850I - 910629121926

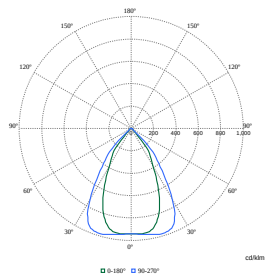


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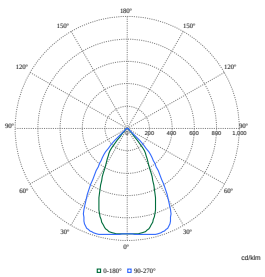
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Polar Normal (separate) - 4MX850I - 910629120526

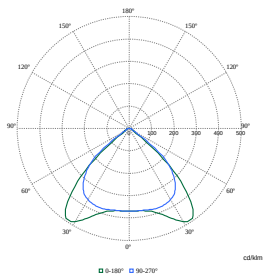
Polar Wide Diagrams



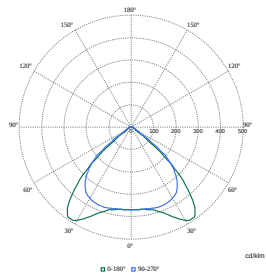
Polar Normal (separate) - 4MX850I - 910629120126



Polar Normal (separate) - 4MX850I - 910629121326



Polar Normal (separate) - 4MX850I - 910629120726



Polar Normal (separate) - 4MX850I - 910629120326

