



# THORIX II

LARGE AREA SPOTLIGHT

# THORIX II

## Large area spotlight



### THORIX II - for mounting on masts, crossbars or facades

The THORIX II series of spotlights is suitable for an exceptionally broad range of applications thanks to its diverse options. Whether a wide or narrow beam is needed, a large or small area is to be illuminated or whether low or high demands are going to be made of the illuminance: all of these needs can be met by the modular design with its various performance classes and lens optics that can be selected.

A total of six different versions of the luminaire provide an effective luminous flux of 24,000 to 150,000 lumens at 180 to 1,115 watts. The high efficiency of the installed LEDs and electronics achieves an energy saving of over 50% with similar illumination compared to a 2,000 W metal halide lamp, for example. 30°, 60° or 90° lens optics can be selected for optimum light distribution. The lamp head can also be rotated by 360° and adjusted in 6° steps to adjust the direction of light.

A 1-metre long H07RN-F rubber cable is provided on every spotlight for connection. An optional connection box and connector facilitate simple installation if the existing infrastructure does not offer any suitable connection possibilities.

### ADDITIONAL ADVANTAGES

- ⊕ 30°, 60° and 90° beam angle selection
- ⊕ Swivelling, finely adjustable lamp head
- ⊕ Housing in lightweight powder-coated aluminium design
- ⊕ Powder-coated stainless steel mounting bracket
- ⊕ 1 m H07RN-F connecting cable
- ⊕ Optional adaptable junction box
- ⊕ High protection rating up to IP 66
- ⊕ High colour rendering index  $R_a \geq 80$
- ⊕ LED in daylight white 5,000 K
- ⊕ Environmentally friendly and conserves resources thanks to replaceable components



IP 66

IK08





## POSSIBLE APPLICATIONS

- + Lighting on cranes and light poles, trusses or facades
- + Port and shipyard logistics
- + Building industry
- + Industry
- + Large agricultural holdings

# THORIX II

## Features

Optical lens system for 30°, 60° and 90° beam angle selection



Passive cooling, no wearing parts, maintenance-free

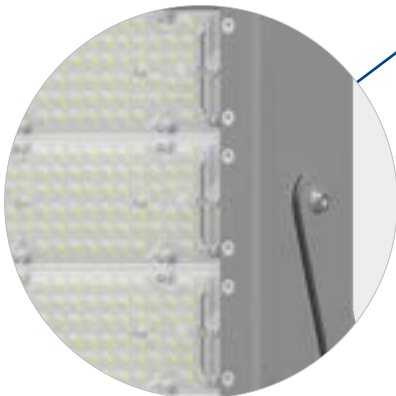


Impact and break resistant housing

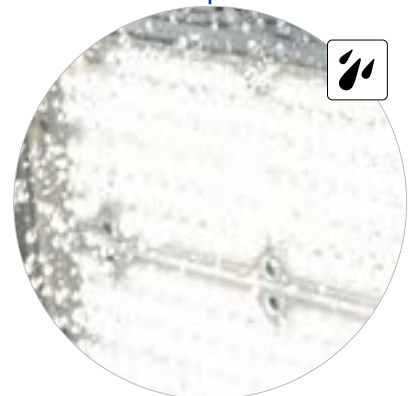
Environmentally friendly and conserves resources thanks to replaceable components



Robust housing in lightweight construction made of aluminum, powder coated



High protection rating IP 66





Finely adjustable illumination direction in 6° steps, 360° swiveling and positionable

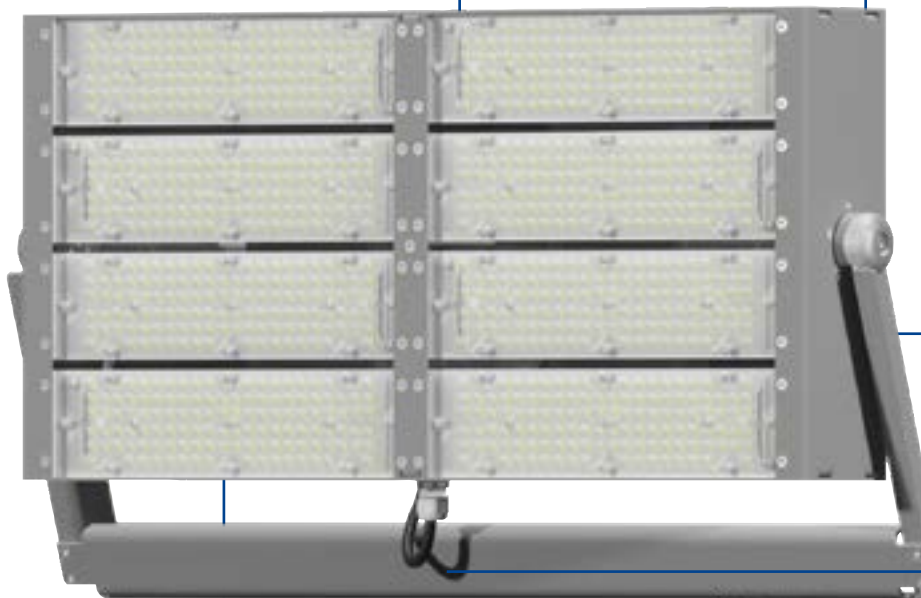


Optionally available glare shield to reduce light pollution (Dark Sky)

Interception rope to secure the luminaire

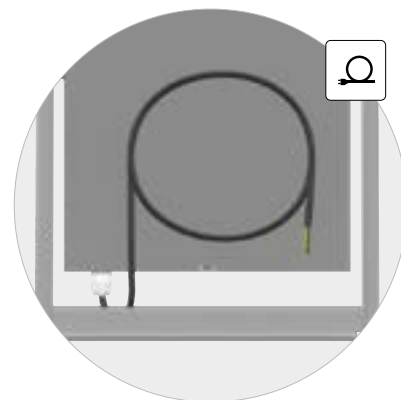


Universal fixing option with slotted holes in the bracket



With 1 m supply cable H07RN-F

Optionally available junction box and mains connection plug

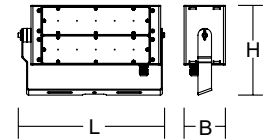


Mounting bracket made of stainless steel, powder coated



## THORIX II (2-Module)

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



L 432, B 122, H 265 mm

- 24.000 lm effective
- 5.000 K,  $R_a \geq 80$  LED panel
- 180 W
- 1 m H07RN-F black
- IK08



220-240 V, 50/60 Hz

|               |     |       |       |   |       |        |
|---------------|-----|-------|-------|---|-------|--------|
| 70T023Z0-0014 | 30° | 180 W | 1,0 m | I | IP 66 | 6,1 kg |
| 70T026Z0-0014 | 60° | 180 W | 1,0 m | I | IP 66 | 6,1 kg |
| 70T029Z0-0014 | 90° | 180 W | 1,0 m | I | IP 66 | 6,1 kg |

**30°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 5     | 557    |
| 20    | 10    | 139    |
| 30    | 16    | 62     |
| 40    | 21    | 35     |
| 50    | 26    | 22     |

**60°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 15    | 150    |
| 20    | 29    | 37     |
| 30    | 44    | 17     |
| 40    | 59    | 9      |
| 50    | 73    | 6      |

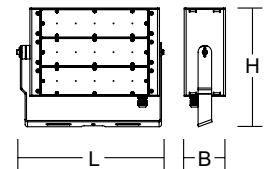
**90°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 18    | 124    |
| 20    | 35    | 31     |
| 30    | 53    | 14     |
| 40    | 70    | 8      |
| 50    | 88    | 5      |



## THORIX II (3-Module)

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



L 434, B 122, H 351 mm

- 35.000 lm effective
- 5.000 K,  $R_a \geq 80$  LED panel
- 265 W
- 1 m H07RN-F black
- IK08



220-240 V, 50/60 Hz

|               |     |       |       |   |       |        |
|---------------|-----|-------|-------|---|-------|--------|
| 70T033Z0-0014 | 30° | 265 W | 1,0 m | I | IP 66 | 8,7 kg |
| 70T036Z0-0014 | 60° | 265 W | 1,0 m | I | IP 66 | 8,7 kg |
| 70T039Z0-0014 | 90° | 265 W | 1,0 m | I | IP 66 | 8,7 kg |

**30°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 5     | 775    |
| 20    | 10    | 194    |
| 30    | 16    | 86     |
| 40    | 22    | 48     |
| 50    | 27    | 31     |

**60°**

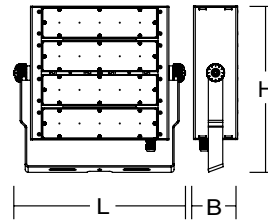
| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 15    | 223    |
| 20    | 30    | 56     |
| 30    | 45    | 25     |
| 40    | 59    | 14     |
| 50    | 74    | 9      |

**90°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 17    | 188    |
| 20    | 36    | 47     |
| 30    | 55    | 21     |
| 40    | 73    | 12     |
| 50    | 91    | 8      |

**THORIX II (4-Module)**

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



L 476, B 122, H 460 mm



220-240 V, 50/60 Hz

|               |     |       |       |   |       |         |
|---------------|-----|-------|-------|---|-------|---------|
| 70T043Z0-0014 | 30° | 370 W | 1,0 m | I | IP 66 | 10,4 kg |
| 70T046Z0-0014 | 60° | 370 W | 1,0 m | I | IP 66 | 10,4 kg |
| 70T049Z0-0014 | 90° | 370 W | 1,0 m | I | IP 66 | 10,4 kg |

$\Phi_v$  ..... 48.000 lm effective

..... 5.000 K, R<sub>a</sub> ≥ 80 LED panel

**P** ..... 370 W

..... 1 m H07RN-F black

**T** ..... IK08

**30°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 5     | 1178   |
| 20    | 10    | 294    |
| 30    | 15    | 131    |
| 40    | 20    | 74     |
| 50    | 26    | 47     |

**60°**

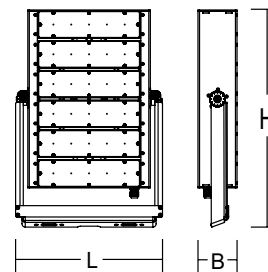
| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 15    | 299    |
| 20    | 30    | 75     |
| 30    | 44    | 33     |
| 40    | 59    | 19     |
| 50    | 74    | 12     |

**90°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 10    | 18    | 254    |
| 20    | 36    | 64     |
| 30    | 54    | 28     |
| 40    | 73    | 16     |
| 50    | 91    | 10     |

**THORIX II (6-Module)**

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



L 459, B 122, H 678 mm



220-240 V, 50/60 Hz

|               |     |       |       |   |       |         |
|---------------|-----|-------|-------|---|-------|---------|
| 70T063Z0-0014 | 30° | 535 W | 1,0 m | I | IP 66 | 15,9 kg |
| 70T066Z0-0014 | 60° | 535 W | 1,0 m | I | IP 66 | 15,9 kg |
| 70T069Z0-0014 | 90° | 535 W | 1,0 m | I | IP 66 | 15,9 kg |

$\Phi_v$  ..... 70.000 lm effective

..... 5.000 K, R<sub>a</sub> ≥ 80 LED panel

**P** ..... 535 W

..... 1 m H07RN-F black

**T** ..... IK08

**30°**

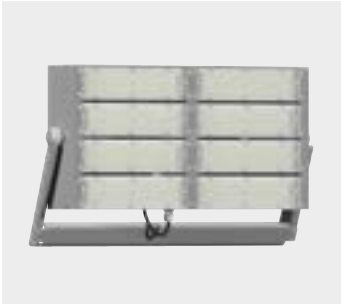
| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 20    | 10    | 435    |
| 40    | 20    | 109    |
| 60    | 31    | 48     |
| 80    | 41    | 27     |
| 100   | 51    | 17     |

**60°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 20    | 29    | 110    |
| 40    | 59    | 28     |
| 60    | 88    | 12     |
| 80    | 117   | 7      |
| 100   | 147   | 4      |

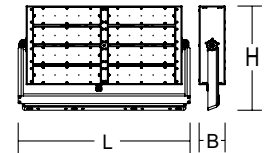
**90°**

| h (m) | Ø (m) | E (lx) |
|-------|-------|--------|
| 20    | 37    | 96     |
| 40    | 74    | 24     |
| 60    | 111   | 11     |
| 80    | 148   | 6      |
| 100   | 185   | 4      |



## THORIX II (8-Module)

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



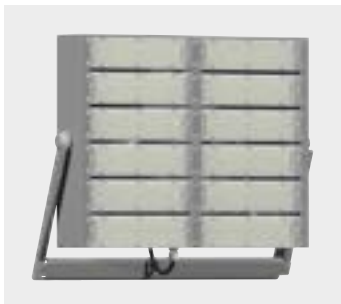
L 809, B 122, H 490 mm

- 97.000 lm effective
- 5.000 K,  $R_a \geq 80$  LED panel
- 730 W
- 1 m H07RN-F black
- IK08

220-240 V, 50/60 Hz

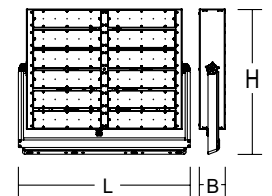
|               |     |       |       |   |       |         |
|---------------|-----|-------|-------|---|-------|---------|
| 70T083Z0-0014 | 30° | 730 W | 1,0 m | I | IP 65 | 21,3 kg |
| 70T086Z0-0014 | 60° | 730 W | 1,0 m | I | IP 65 | 21,3 kg |
| 70T089Z0-0014 | 90° | 730 W | 1,0 m | I | IP 65 | 21,3 kg |

| 30°   |       |        | 60°   |       |        | 90°   |       |        |
|-------|-------|--------|-------|-------|--------|-------|-------|--------|
| h (m) | Ø (m) | E (lx) | h (m) | Ø (m) | E (lx) | h (m) | Ø (m) | E (lx) |
| 20    | 10    | 608    | 20    | 30    | 151    | 20    | 37    | 130    |
| 40    | 20    | 152    | 40    | 59    | 38     | 40    | 73    | 32     |
| 60    | 30    | 68     | 60    | 89    | 17     | 60    | 110   | 14     |
| 80    | 41    | 38     | 80    | 118   | 10     | 80    | 146   | 8      |
| 100   | 51    | 24     | 100   | 148   | 6      | 100   | 183   | 5      |



## THORIX II (12-Module)

LED spotlights for wall, ceiling and pole mounting, weatherproof aluminium housing with a powder-coated stainless steel mounting bracket in a metallic silver-grey, luminaire head can be finely adjusted in 6° steps for optimal positioning, clear, impact-resistant polycarbonate cover with choice of lens optics, 1 m flexible H07RN-F connecting cable.



L 809, B 122, H 683 mm

- 150.000 lm effective
- 5.000 K,  $R_a \geq 80$  LED panel
- 1.115 W
- 1 m H07RN-F black
- IK08

220-240/400 V, 50/60 Hz

|               |     |         |       |       |   |       |         |
|---------------|-----|---------|-------|-------|---|-------|---------|
| 70T0C3Z0-0014 | 30° | 1.115 W | 230 V | 1,0 m | I | IP 65 | 29,5 kg |
| 70T0C6Z0-0014 | 60° | 1.115 W | 230 V | 1,0 m | I | IP 65 | 29,5 kg |
| 70T0C9Z0-0014 | 90° | 1.115 W | 230 V | 1,0 m | I | IP 65 | 29,5 kg |
| 70T4C3Z0-0014 | 30° | 1.115 W | 400 V | 1,0 m | I | IP 65 | 29,5 kg |
| 70T4C6Z0-0014 | 60° | 1.115 W | 400 V | 1,0 m | I | IP 65 | 29,5 kg |
| 70T4C9Z0-0014 | 90° | 1.115 W | 400 V | 1,0 m | I | IP 65 | 29,5 kg |

| 30°   |       |        | 60°   |       |        | 90°   |       |        |
|-------|-------|--------|-------|-------|--------|-------|-------|--------|
| h (m) | Ø (m) | E (lx) | h (m) | Ø (m) | E (lx) | h (m) | Ø (m) | E (lx) |
| 20    | 10    | 908    | 20    | 29    | 236    | 20    | 36    | 204    |
| 40    | 21    | 227    | 40    | 59    | 59     | 40    | 73    | 51     |
| 60    | 31    | 101    | 60    | 88    | 26     | 60    | 109   | 23     |
| 80    | 41    | 57     | 80    | 118   | 15     | 80    | 146   | 13     |
| 100   | 52    | 36     | 100   | 147   | 9      | 100   | 182   | 8      |



**Glare shield (2- to 6-Module)**

To reduce glare and light pollution (Dark Sky)





 95-0281-0014  0,61 kg

**Glare shield (8- to 12-Module)**

To reduce glare and light pollution (Dark Sky)



 95-0282-0014  1,05 kg

**Mains junction box**

Incl. mounting and installation accessories, for mounting on the luminaire



 95-0283-0001  0,11 kg

**Mains surface-mounted plug**

CEE, 16A, 6h, 3P+N+PE, IP67

Mounting accessories included, for mounting on the luminaire



 95-0284-0001  0,25 kg

**Interception rope**

With snap hook to secure the luminaire (L 1,000 mm)



 95-0285-0001  0,06 kg



Halogen headlamp  
 Illuminant R7s, 1.000 W  
 Psys 1.000 W, approx. 18.000 lm  
 2.000 h service life

THORIX II (2-Module)  
 LED  
 Psys 180 W, 24.000 lm  
 50.000 h service life

**82% energy saving**  
**2.500% longer service life**

Metal halide headlamp  
 Illuminant HIE, 400 W  
 Psys 435 W, approx. 27.000 lm  
 16.000 h service life

THORIX II (2-Module)  
 LED  
 Psys 180 W, 24.000 lm  
 50.000 h service life

**55% energy saving**  
**300% longer service life**

Halogen headlamp  
 Illuminant R7s, 2.000 W  
 Psys 2.000 W, approx. 35.000 lm  
 2.000 h service life

THORIX II (3-Module)  
 LED  
 Psys 265 W, 35.000 lm  
 50.000 h service life

**87% energy saving**  
**2.500% longer service life**

Metal halide headlamp  
 Illuminant HIT-DE, 1.000 W  
 Psys 1.035 W, approx. 63.000 lm  
 16.000 h service life

THORIX II (6-Module)  
 LED  
 Psys 535 W, 70.000 lm  
 50.000 h service life

**65% energy saving**  
**300% longer service life**

Metal halide headlamp  
 Illuminant HIT-DE, 2.000 W  
 Psys 2.040 W, approx. 140.000 lm  
 16.000 h service life

THORIX II (12-Module)  
 LED  
 Psys 1.115 W, 150.000 lm  
 50.000 h service life

**44% energy saving**  
**300% longer service life**





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