

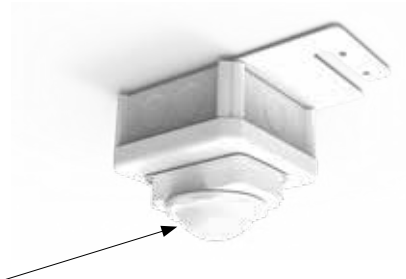
# TUNNEL

E



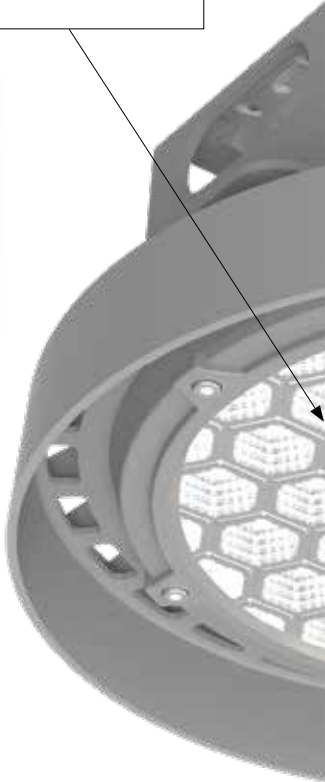
A variety of lumen outputs up to ~21.000/30.000 lm for different ceiling heights & applications

- High efficiency, up to 160 lm/W
- Different ballast units available: ON/OFF (dimmable 1-10 V), DALI-2
- DALI-2 operating unit with bus power supply Memory bank, energy reporting diagnosis & maintenance
- Easy replacement of the ECGs



TUNE sensors – Bluetooth Mesh DALI-2 sensor

- Constant light regulation
- High precision motion control
- Round 360° or square Detction area
- Wireless communication



**INDIVIDUALLY CONFIGURABLE**  
The TUNE luminaire can be adapted to special requirements and needs.

# TUNE

## PERFECT LIGHT LEVEL FOR PROFESSIONAL APPLICATIONS

→ Excellent glare protection and visual comfort – even for the most demanding applications in industry

## FIT FOR THE FUTURE

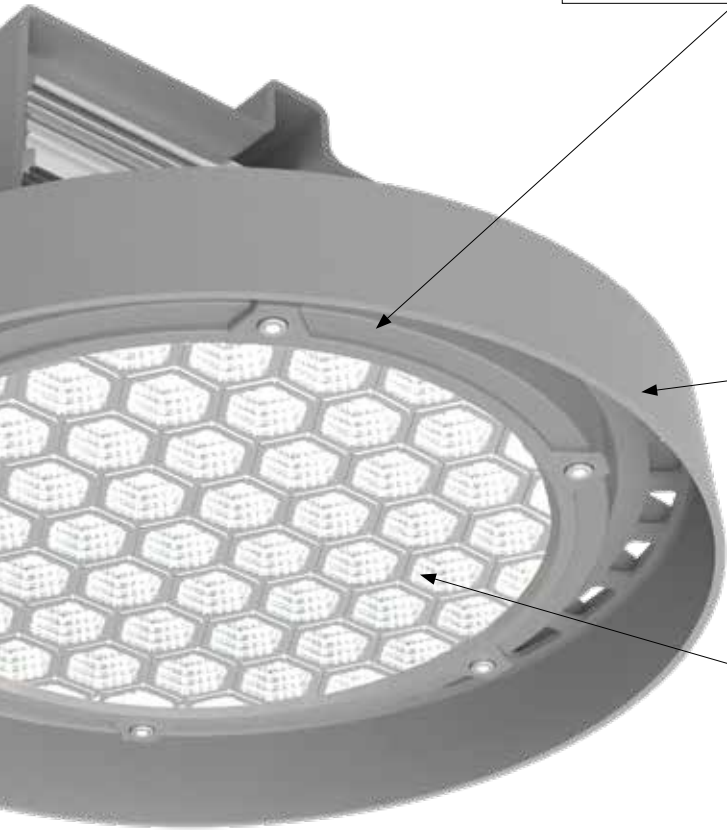
→ Long service life at high ambient temperatures of 45° C at 30.000 lm

## CUSTOMIZABLE

→ Many different lumen outputs for an uncompromising application

## Light 4.0

→ New sensors to save a lot of energy and reduce CO<sup>2</sup>



**Robust housing made of aluminium & fixture**

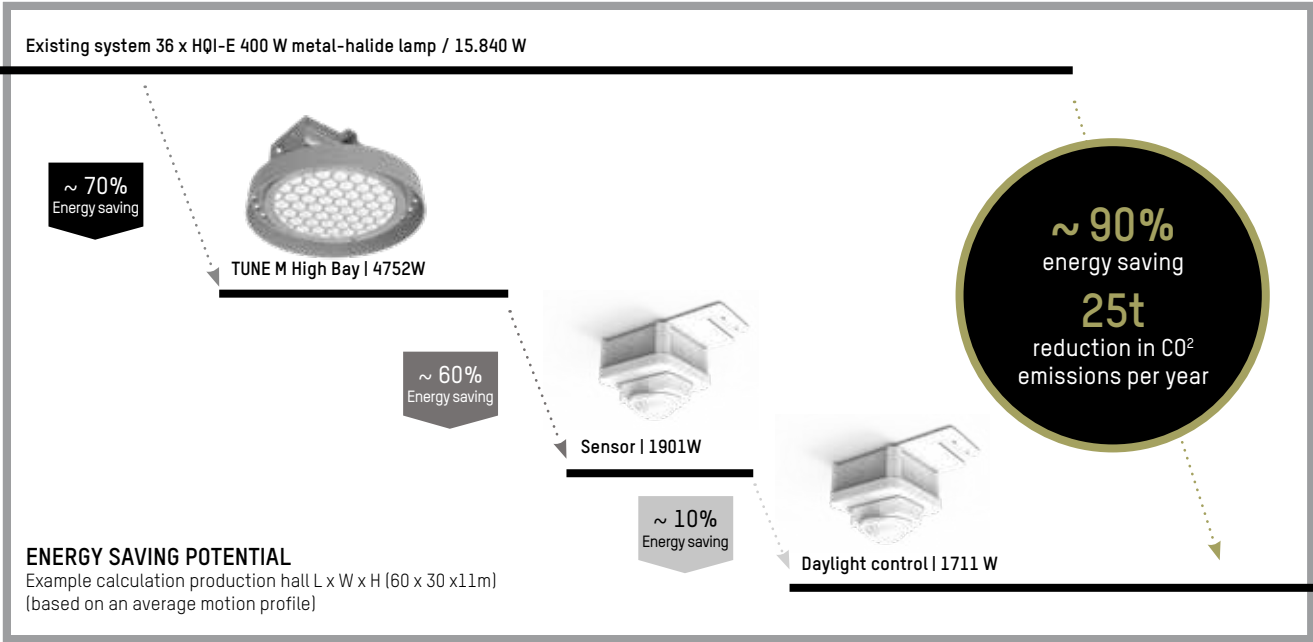
- Construction according to thermal requirements developed for the use at an ambient temperature of up to 50° C
- Simple & fast assembly - single point attachment & electrical connection (plug-in)
- Increased chemical resistance
- High mechanical stability

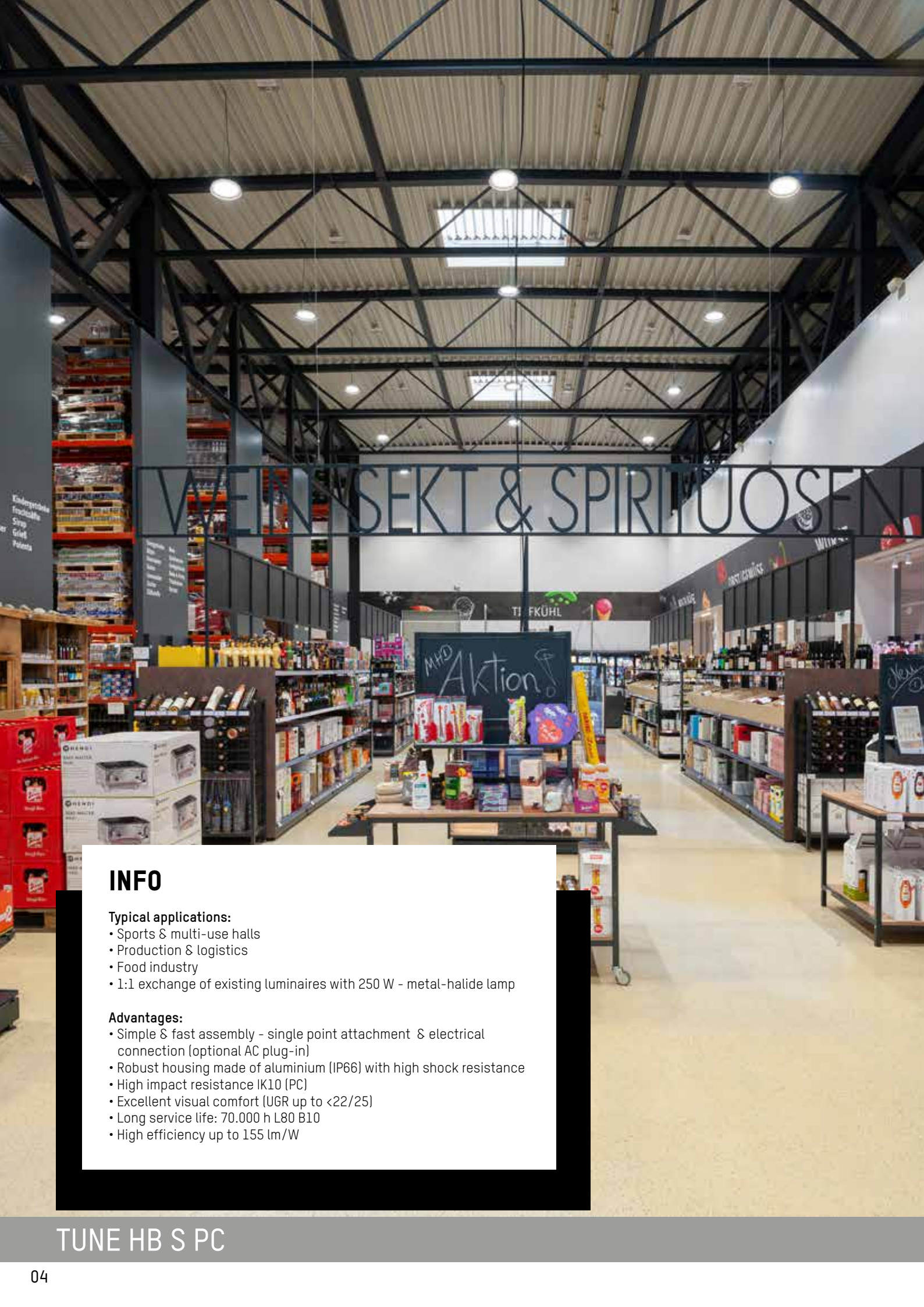
**Robust housing made of aluminium IP 66**

- Available in two different sizes (280/360 mm)
- Long service life: 70.000 h L80 B10
- Different accessories
- Bracket for installation on walls and ceilings
- Certified for being ballproof (ballproof grid)

**Patented honeycomb optics**

- Excellent visual comfort (UGR up to <22/25)
- High impact resistance IK10 (PC), IK08 (glass)
- PC refractor (only 280 mm)





## INFO

### Typical applications:

- Sports & multi-use halls
- Production & logistics
- Food industry
- 1:1 exchange of existing luminaires with 250 W - metal-halide lamp

### Advantages:

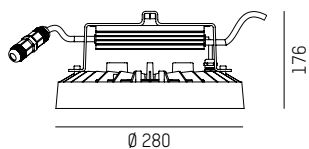
- Simple & fast assembly - single point attachment & electrical connection (optional AC plug-in)
- Robust housing made of aluminium (IP66) with high shock resistance
- High impact resistance IK10 (PC)
- Excellent visual comfort (UGR up to <22/25)
- Long service life: 70.000 h L80 B10
- High efficiency up to 155 lm/W





**TUNE HB S PC** IP66

CODE	SYS	DIMENSION Ø x H	LUMINOUS FLUX (lm)	LM/W	LIGHT COLOUR	AMBIENT TEMPERATURE (°C)	UGR
157-01 <b>CC</b> 01011444 <b>Y</b>	150W	280 x 176	20380	136	4000	-30° up to +45°	<25
157-01 <b>CC</b> 00011444 <b>Y</b>	145W	280 x 176	19980	138	4000	-30° up to +45°	<25
157-01 <b>CC</b> 02011444 <b>Y</b>	133W	280 x 176	18480	139	4000	-30° up to +45°	<25
157-01 <b>CC</b> 03011444 <b>Y</b>	116W	280 x 176	16400	141	4000	-30° up to +45°	<25
157-01 <b>CC</b> 04011444 <b>Y</b>	98W	280 x 176	14260	146	4000	-30° up to +50°	<25
157-01 <b>CC</b> 05011444 <b>Y</b>	85W	280 x 176	12860	151	4000	-30° up to +50°	<25
157-01 <b>CC</b> 06011444 <b>Y</b>	71W	280 x 176	10980	155	4000	-30° up to +50°	<25



With ball-proof grid

ADD ARTICLE NUMBER	
<b>CC</b> = COVER	<b>Y</b> = DIMMABLE
PC = <b>10</b> PC + ball-proof grid = <b>11</b>	DALI-2 dimm. = <b>2</b> Can be switched ON/OFF or dimmed analogically 1-10V = <b>a</b>



## INFO

### Typical applications:

- Sophisticated industrial facilities
- Warehouses & logistics halls
- Shop floor spaces & fair halls
- Production sites subject to fire hazards
- 1:1 exchange of existing luminaires with 250 W - metal-halide lamp

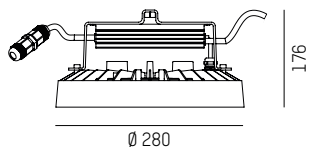
### Advantages:

- Simple & fast assembly - single point attachment & electrical connection (optional AC plug-in)
- High impact resistance IK08 (safety glass)
- Excellent visual comfort (UGR up to <math><22/25</math>) with a PC refractor up to UGR<math><19</math>
- Long service life of 70.000 h L80 B10
- High efficiency up to 160 lm/W



**TUNE HB S GLASS** IP66

CODE	SYS	DIMENSION Ø x H	LUMINOUS FLUX (lm)	LM/W	LIGHT COLOUR	AMBIENT TEMPERATURE (°C)	UGR
157-012001011444Y	150W	280 x 176	21050	140	4000	-30° up to +45°	<25
157-012000011444Y	145W	280 x 176	20640	142	4000	-30° up to +45°	<25
157-012002011444Y	133W	280 x 176	19090	144	4000	-30° up to +45°	<25
157-012003011444Y	116W	280 x 176	16940	146	4000	-30° up to +45°	<25
157-012004011444Y	98W	280 x 176	14730	150	4000	-30° up to +50°	<25
157-012005011444Y	85W	280 x 176	13280	156	4000	-30° up to +50°	<25
157-012006011444Y	71W	280 x 176	11340	160	4000	-30° up to +50°	<25



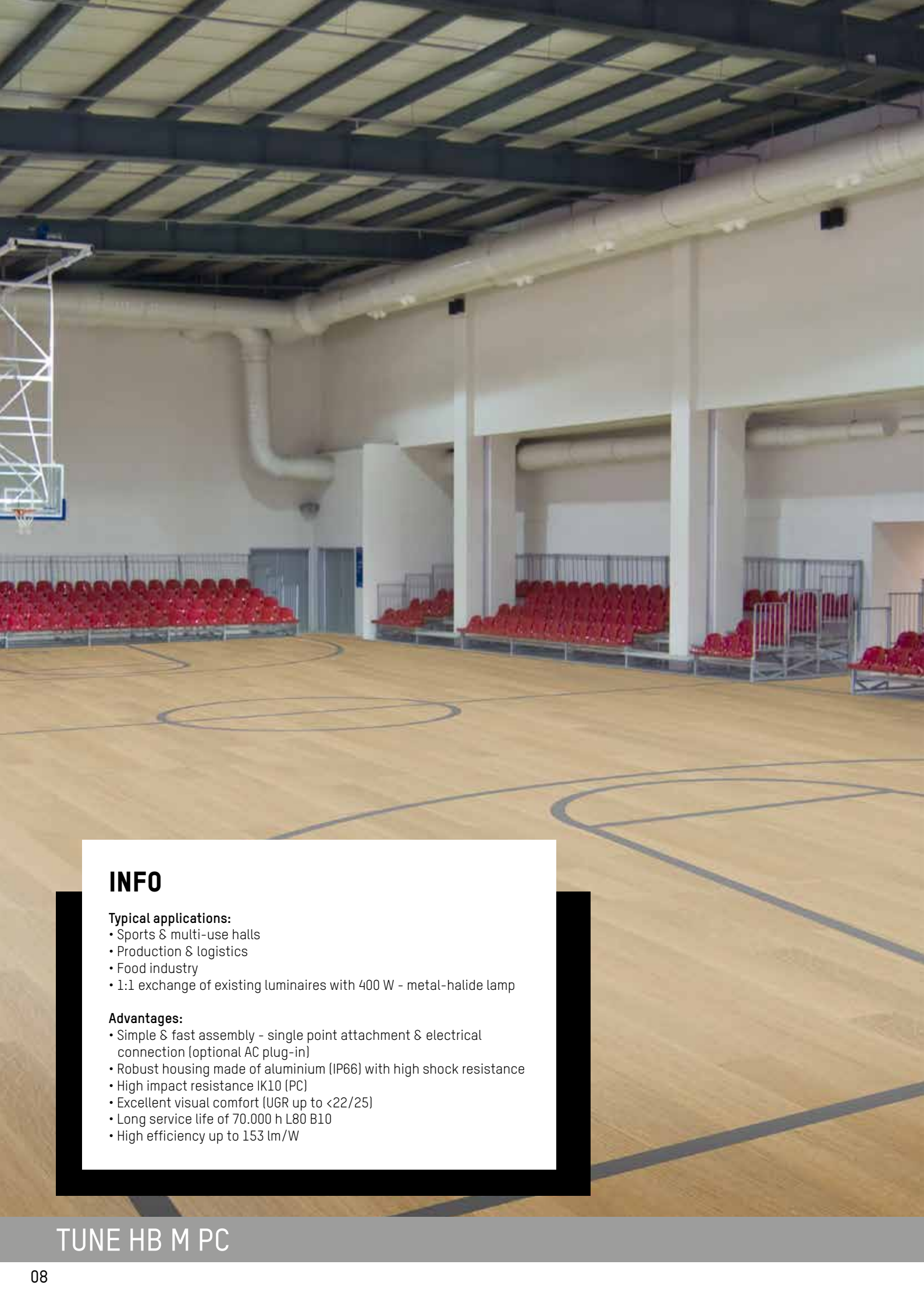
**ADD ARTICLE NUMBER**

**Y = DIMMABLE**

DALI-2 dimm. = **2**

Can be switched ON/OFF or dimmed analogically 1-10V = **a**





## INFO

### Typical applications:

- Sports & multi-use halls
- Production & logistics
- Food industry
- 1:1 exchange of existing luminaires with 400 W - metal-halide lamp

### Advantages:

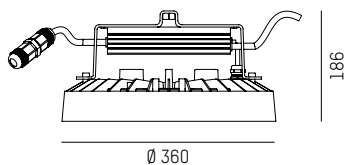
- Simple & fast assembly - single point attachment & electrical connection (optional AC plug-in)
- Robust housing made of aluminium (IP66) with high shock resistance
- High impact resistance IK10 (PC)
- Excellent visual comfort (UGR up to <22/25)
- Long service life of 70.000 h L80 B10
- High efficiency up to 153 lm/W





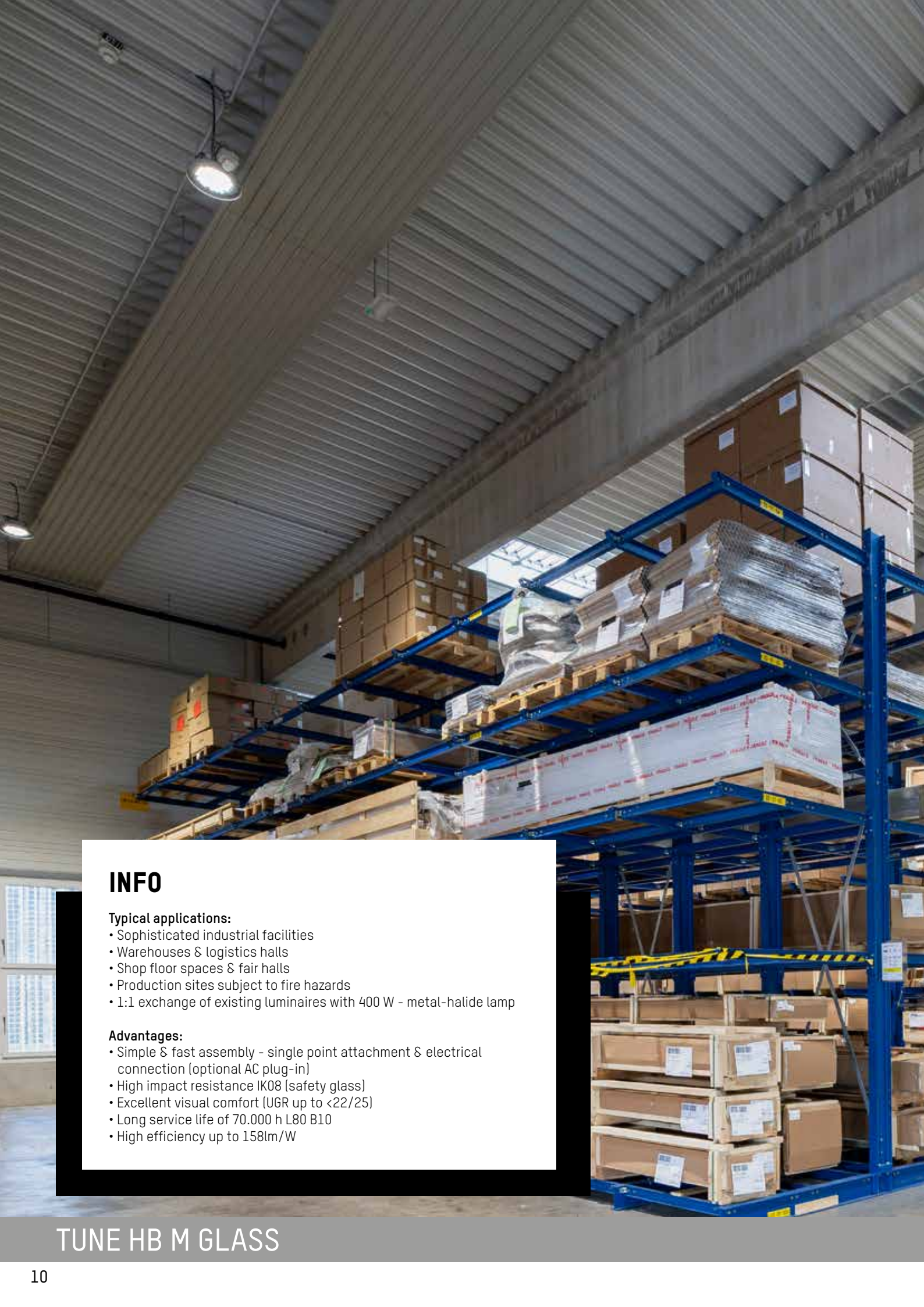
**TUNE HB M PC** IP66

CODE	SYS	DIMENSION Ø x H	LUMINOUS FLUX (lm)	LM/W	AMBIENT TEMPERATURE (°C)	UGR
157-02CC07011W44Y	205W	360 x 186	29070	142	-30° up to +45°	<25
157-02CC08011W44Y	190W	360 x 186	27250	143	-30° up to +45°	<25
157-02CC09011W44Y	175W	360 x 186	25190	144	-30° up to +45°	<22
157-02CC10011W44Y	165W	360 x 186	23960	145	-30° up to +45°	<22
157-02CC11011W44Y	150W	360 x 186	21900	146	-30° up to +50°	<22
157-02CC12011W44Y	132W	360 x 186	19600	148	-30° up to +50°	<22
157-02CC13011W44Y	113W	360 x 186	17100	151	-30° up to +50°	<22
157-02CC14011W44Y	98W	360 x 186	15020	153	-30° up to +50°	<22



With ball-proof grid

ADD ARTICLE NUMBER		
<b>CC</b> = COVER	<b>Y</b> = DIMMABLE	<b>W</b> = LIGHT COLOUR
PC = 10 PC + ball-proof grid = 11	DALI-2 dimm. = 2 Can be switched ON/OFF or dimmed analogically 1-10V = a	4000 = 4 6500 = 6



## INFO

### Typical applications:

- Sophisticated industrial facilities
- Warehouses & logistics halls
- Shop floor spaces & fair halls
- Production sites subject to fire hazards
- 1:1 exchange of existing luminaires with 400 W - metal-halide lamp

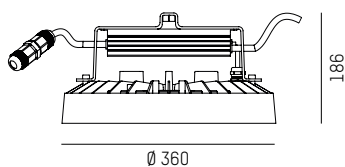
### Advantages:

- Simple & fast assembly - single point attachment & electrical connection (optional AC plug-in)
- High impact resistance IK08 (safety glass)
- Excellent visual comfort (UGR up to <22/25)
- Long service life of 70.000 h L80 B10
- High efficiency up to 158lm/W



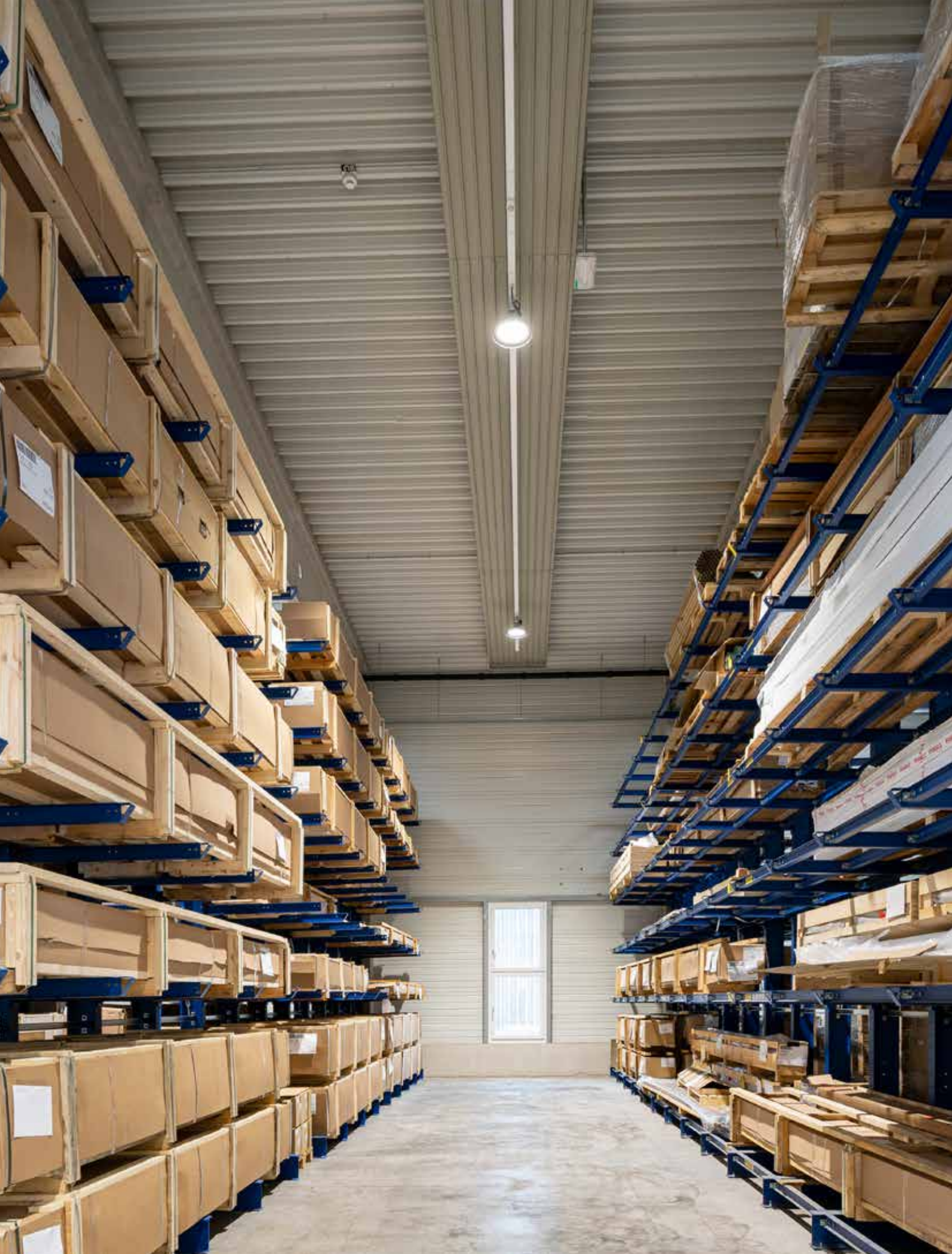
**TUNE HB M GLASS** IP66

CODE	SYS	DIMENSION Ø x H	LUMINOUS FLUX (lm)	LM/W	AMBIENT TEMPERATURE (°C)	UGR
157-022007011W44Y	205W	360 x 186	30030	146	-30° up to +45°	<25
157-022008011W44Y	190W	360 x 186	28150	148	-30° up to +45°	<25
157-022009011W44Y	175W	360 x 186	26020	149	-30° up to +45°	<22
157-022010011W44Y	165W	360 x 186	24750	150	-30° up to +45°	<22
157-022011011W44Y	150W	360 x 186	22620	151	-30° up to +50°	<22
157-022012011W44Y	132W	360 x 186	20250	153	-30° up to +50°	<22
157-022013011W44Y	113W	360 x 186	17660	156	-30° up to +50°	<22
157-022014011W44Y	98W	360 x 186	15520	158	-30° up to +50°	<22



ADD ARTICLE NUMBER	
<b>Y</b> = DIMMABLE	<b>W</b> = LIGHT COLOUR
DALI-2 dimm. = 2 Can be switched ON/OFF or dimmed analogically 1-10V = a	4000 = 4 6500 = 6





## ADAPTER

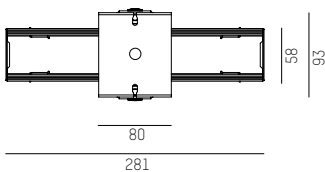


### HIGH BAY ADAPTER FOR TRAIL-SYSTEM

#### INFORMATION

System insert for the mechanical connection of the round High Bay luminaire to the trail-system; Carrying capacity up to 10 kg; One suspension necessary for each position

POLIG	L x W	CODE
7-pole	281 x 93	610-02830010000XX
11-pole	281 x 93	610-02830020000XX



#### ADD ARTICLE NUMBER

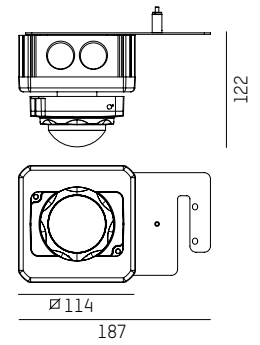
**XX** = COLOUR

silver = **04**

white = **05**

black = **06**

# SENSOR



## MOTION SENSOR INSERT

### INFORMATION

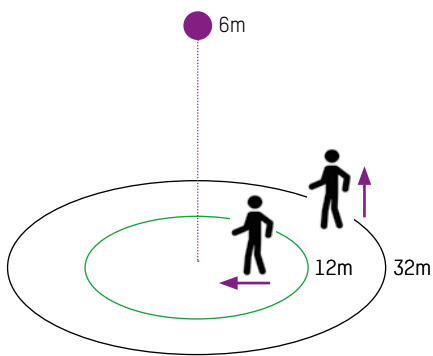
DALI-2 Application Controller, pre-mounted connector, direct connection to a DALI-2 control gear, Bluetooth mesh network for interconnecting and integrating sensors and light fixtures, parameterization and configuration via Bluetooth app, constant light control, pre-defined scenes, any selectable main and basic light level, user-defined luminaire groups with configurable behavior, suitable for up to 16 DALI-2 LED drivers, simple sensor exchange with Zhaga interface

DALI PSU*	SENSOR	L x W x H	CODE
without	3360	187 x 114 x 122	157-0066000000000
without	345	187 x 114 x 122	157-0067000000000

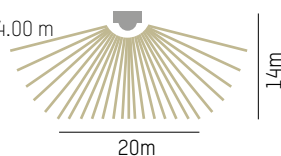
DALI PSU\* = power supply unit

IP65

### MOTION SENSOR 3360

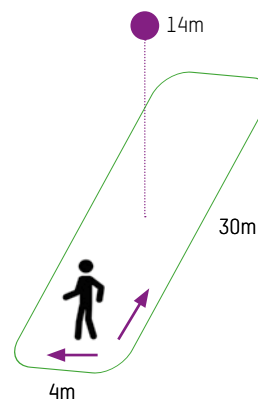


Possible mounting heights: 2.80 m - 14.00 m  
green: radial / black: tangential

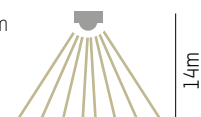


MOUNTING HEIGHT	DETECTION AREA
14m	∅ 20m (tangential)
9m	∅ 28m (tangential)
6m	∅ 32m (tangential)

### MOTION SENSOR 345



Possible mounting heights: 4.00 m - 14.00 m  
green: radial and tangential



MOUNTING HEIGHT	DETECTION AREA
14m	30 x 4m
10m	25 x 4m
8m	20 x 4m
6m	15 x 4m



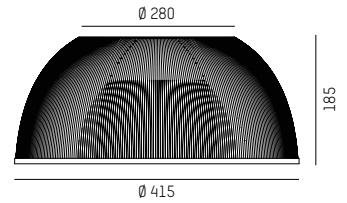
## ACCESSORIES



### REFRACTOR

of Polycarbonate

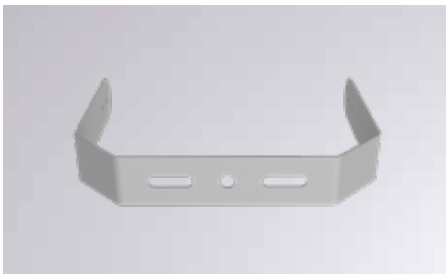
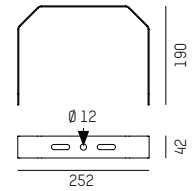
157-0055000000000



### MOUNTING ARROW S

of aluminium, including fastening parts

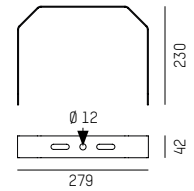
157-0057000000000



### MOUNTING ARROW M

of aluminium, including fastening parts

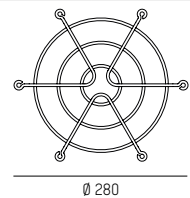
157-0058000000000



### BALL-PROOF GRID S

Steel safety grid

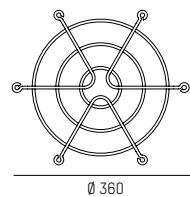
157-0053000000000



### BALL-PROOF GRID M

Steel safety grid

157-0054000000000



### AC CONNECTOR & SOCKET

of plastic, IP66, 3 poles, cable cross section 0,5 mm<sup>2</sup> – 2,5 mm<sup>2</sup>

157-0063000000000

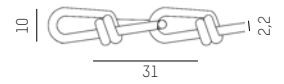
## ACCESSORIES



### CHAIN

Carrying capacity max. 30 kg

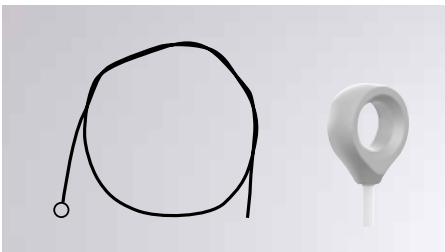
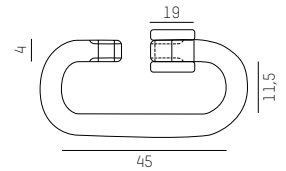
835-9926194       $\varnothing$  2,2 mm / available by the meter



### KARABINER

Steel suspension IP66

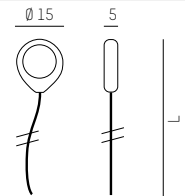
157-0064000000000 1 pc.  
157-0065000000000 10 pc.



### STEEL CABLE WITH EYELET FOR MOTION DETECTOR INSERT

no tool needed, cut to any length

610-0025000000000  $\varnothing$  1,5 mm / L 1500 mm  
610-0026000000000  $\varnothing$  1,5 mm / L 3000 mm  
610-0027000000000  $\varnothing$  1,5 mm / L 6000 mm



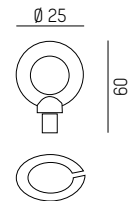
## SPARE PARTS



### FASTENING EYELET

of steel, IP66

157-0062000000000







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