



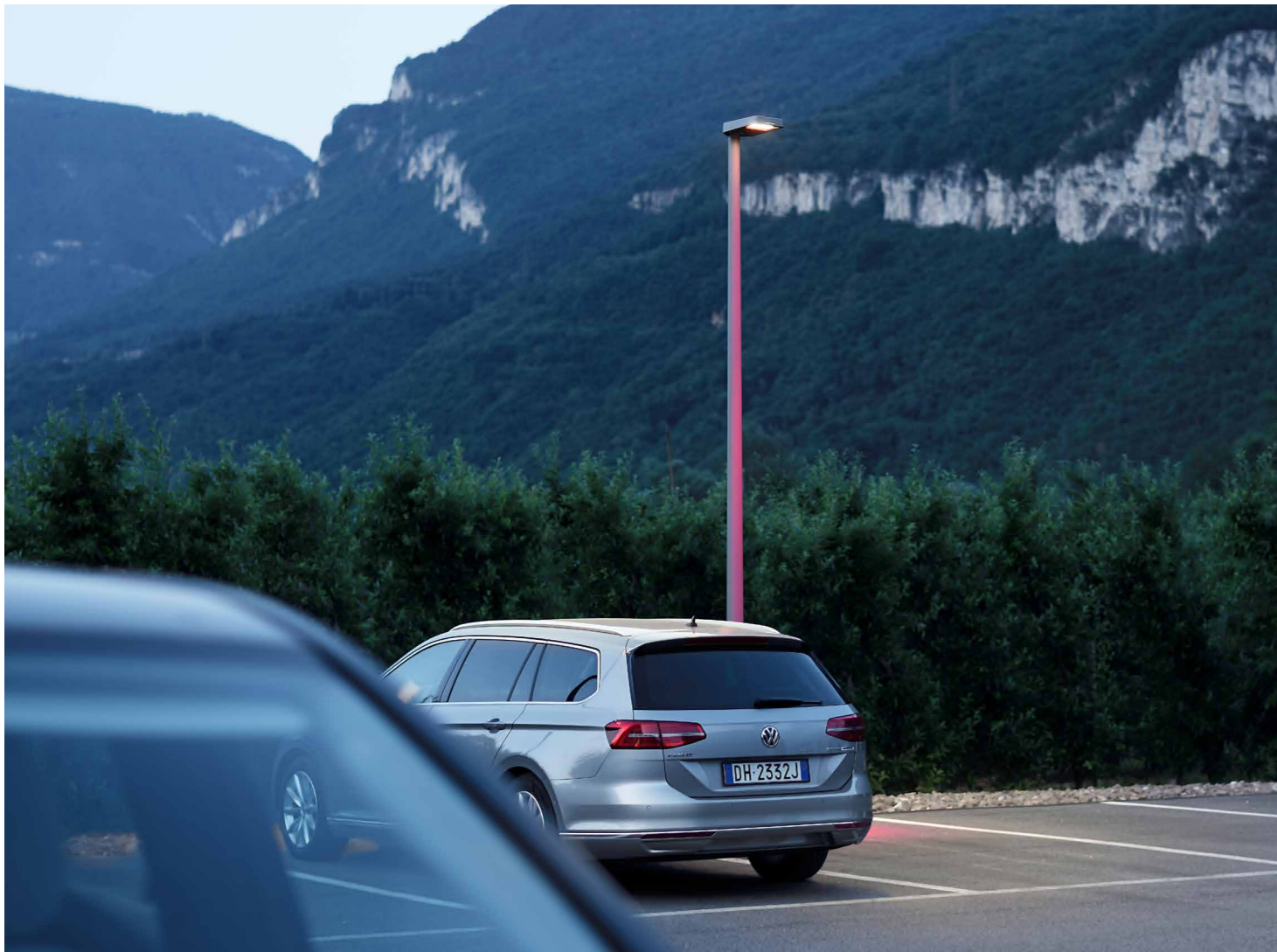
WAYS
ACCENTS
BUILDINGS

IR

Intelligence ready

Both, high precision A-Series lenses for static white colour temperatures and low glare ewoLightTiles for tunable white configurations are available for the IR. Its housing allows for the integration of nodes and sensors, making the IR intelligence ready and allowing it to integrate seamlessly into smart city systems whilst offering a high degree of control flexibility for its individual lighting units.

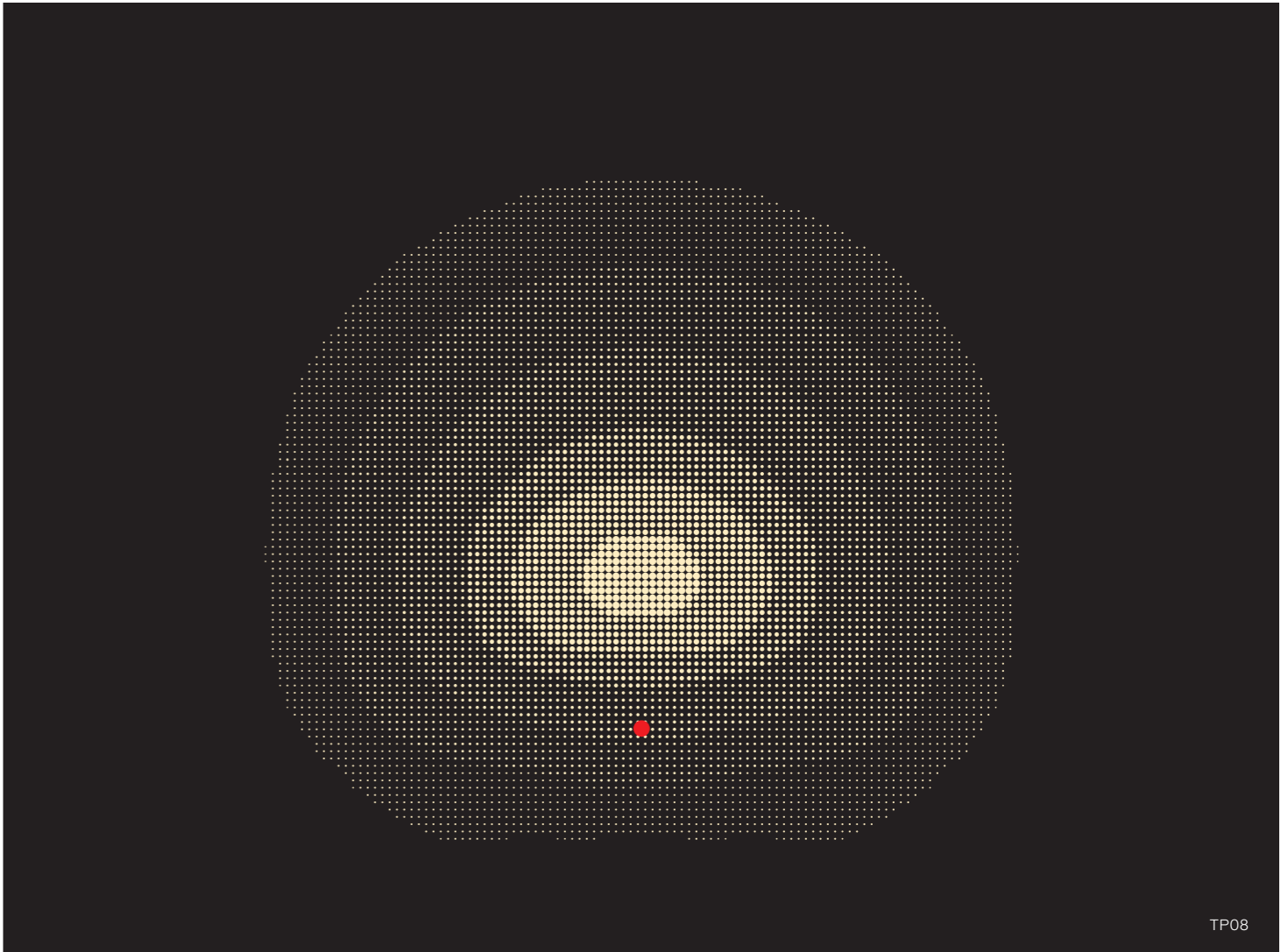




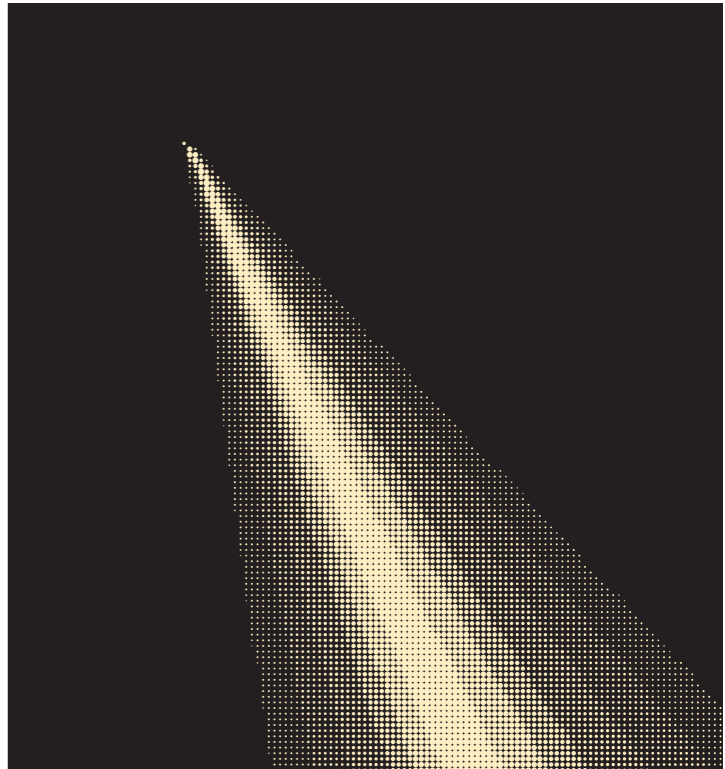
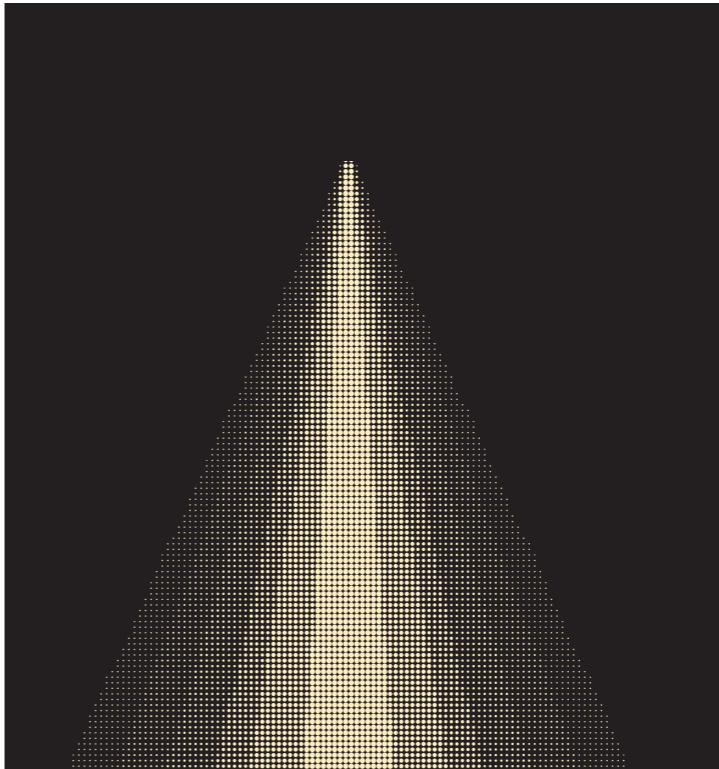
Shape of Light



T
SERIES



TP08





PUBLIC SPACE
AREAS
RESIDENTIAL AREAS
WALKWAYS

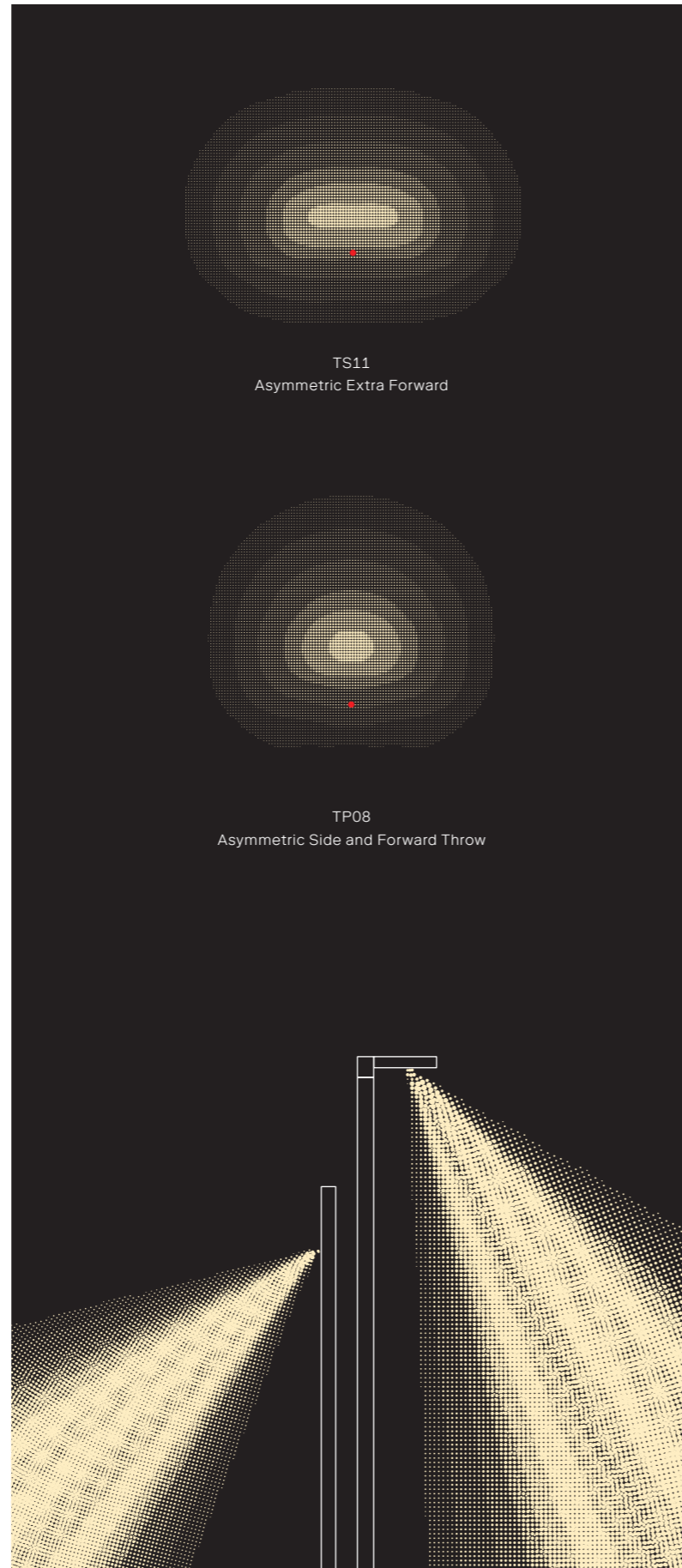
ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface

Current feed 100-350 mA
Power 9.6-36.9 W per ewoLightTile
Luminous flux up to 2,300 lm per ewoLightTile



horizontal array

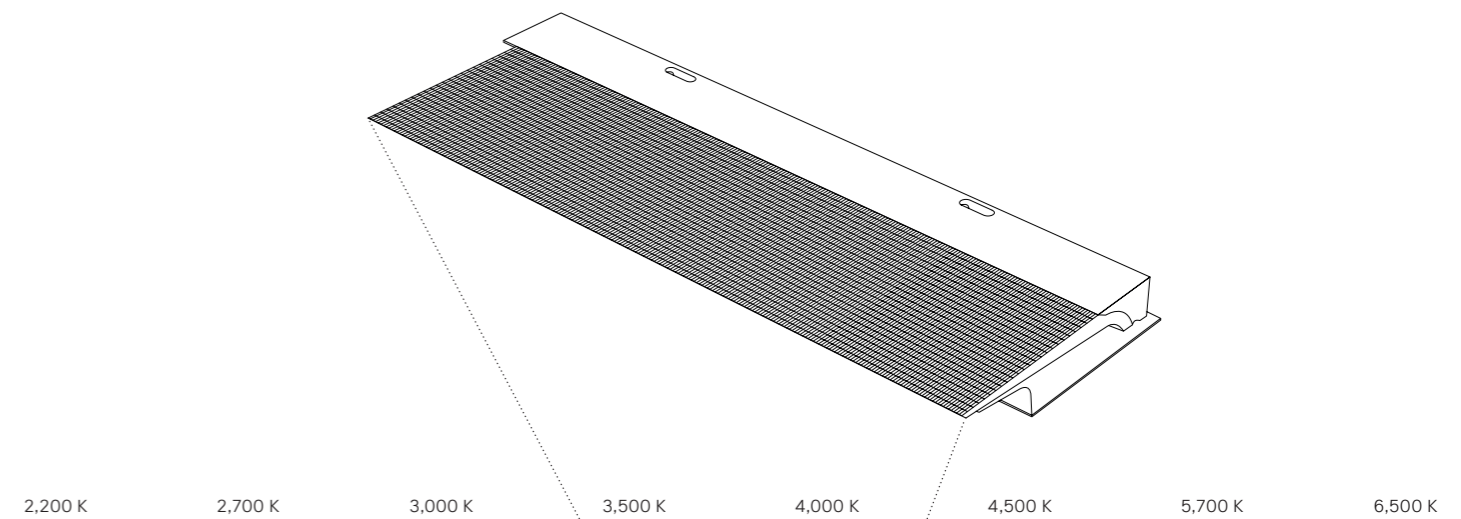
vertical array
luminous range: 3 x LPH

Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.



Tunable White
CRI ≥ 80

RGBW

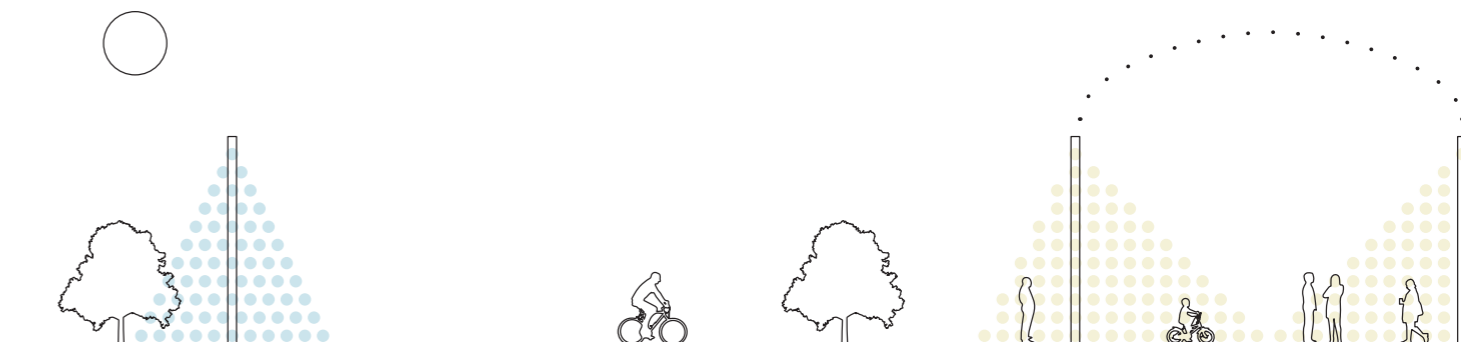


Designed by Zurich based product designer Joerg Boner, the IR is a family of pole mounted luminaires with either a single or a twin head. The luminaire itself makes for an elegant appearance with its integrated luminaire and pole connection.



Play with colour

Cityscapes are being transformed every day in the pursuit to creating dramatic spaces and enticing city centres. Controlling dynamic lighting solutions with DALI T8 will enable scene setting, automated lighting adjustment and an introduction to circadian lighting during the hours of darkness.



Stay in control

With DALI, 1–10 V and stand alone line switch control, IR can easily be controlled to maximise both safety and energy saving.



Four steps to optimise corrosion protection:

1) Corrosion resistant alloy
ewo luminaires are produced with a high-quality, low copper-aluminium alloy to guarantee high-end mechanical and anti-corrosion properties.

2) ewoECP pre-treatment
After a detailed cleaning process, a Cr6-free film is applied to ensure complete adhesion of the following layer.

3) ewoProtectiveLayerECP
A proprietary coating prevents delamination, blistering and cracking of the protective layer, even after accidental damage. This way, extreme corrosion resistance can be achieved.

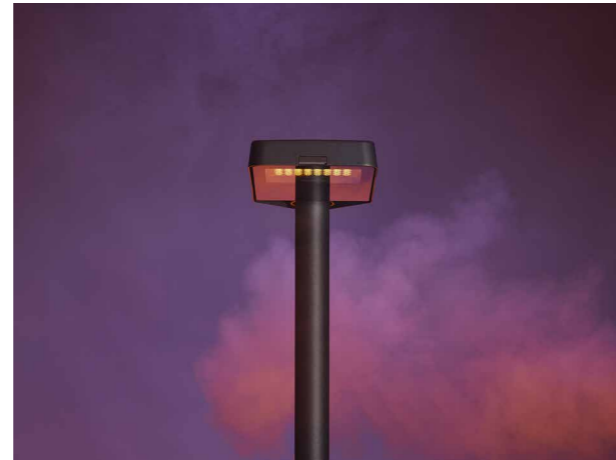
4) High-quality powder coating
A high-quality coating performed in-house with thermosetting powders delivers customer desired colours with the serenity of a superior performance against corrosion.



ewoECP areas of application

Outdoor: coastal and offshore areas with high salinity

Indoor: buildings or areas with almost permanent condensation with high pollution



ewoECP performance

- No blistering around scribe >1000 h* (AUS & NZ common requirement)
- No other corrosion defects such as blistering and adhesion >2500 h*
- Comparable to the IM3 corrosivity category (suitable for buried tanks)
- SASO compliance

* testing process: ISO9227 salt spray test

BODY OF LIGHT



POLE
IR1, IR2, IR3



A-Series
IR1, IR2, IR3
1-3 lighting units



T-Series
IR2, IR3
2-3 lighting units

WALL
IR1-W, IR2-W, IR3-W



A-Series
IR1, IR2, IR3
1-3 lighting units



T-Series
IR2, IR3
2-3 lighting units

SHAPE OF LIGHT



INTELLIGENCE OF LIGHT

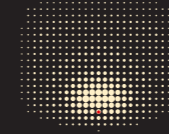


A
SERIES

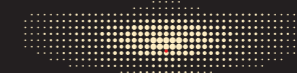
Precision lens optics
* also available in satiné version



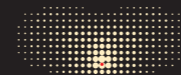
AH02*
Symmetric Wide Flood



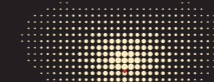
AP07*
Asymmetric Extra Forward



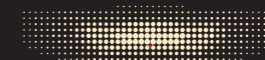
AS06*
Asymmetric Extra Side Throw



AS07*
Asymmetric Side Throw



AS08*
Asymmetric Side and Forward Throw



AS09*
Asymmetric Extra Side Throw



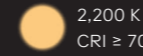
AS10-L
Asymmetric Forward - Left



AS10-R
Asymmetric Forward - Right



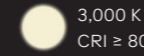
Shape your own light by combining any light distribution



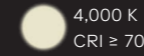
2,200 K
CRI ≥ 70



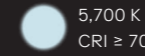
2,700 K
CRI ≥ 70



3,000 K
CRI ≥ 80



4,000 K
CRI ≥ 70

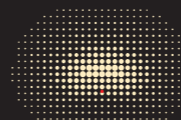


5,700 K
CRI ≥ 70

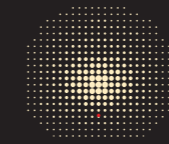
CRI ≥ 80
on request

T
SERIES

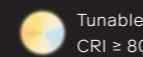
ewoLighTile: low glare light-guiding panels



TS11
Asymmetric Extra Forward



TP08
Asymmetric Side and Forward Throw



Tunable White
CRI ≥ 80



RGBW

A
SERIES

Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1-10 V	1-10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	L/S

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency Power Supply
Stand-alone	

T
SERIES

Control protocols

DALI 2 T8	T8 DALI
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Programming options

Night dimming	
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POLE
IR1, IR2, IR3

Area, street and walkway lighting



- DB 703 Anthracite
- ewo colours



A-Series
IR1, IR2, IR3
1-3 lighting units

T-Series
IR2, IR3
2-3 lighting units

Configurator

- CE, RoHS, IP66, IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole
Pole adapter	Integral pole adapter, for pole-top \varnothing 60 mm and \varnothing 76 mm

* other colours on request
** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	\angle ②	$-\angle$ ③	Weight [kg] ④
IR1	3-6	0.12	0.03	6.5
IR2	3-6	0.12	0.03	6.5
IR3	3-6	0.12	0.03	6.5

① in 0.5 m steps ② projected windage area [m²] ③ max. weight
④ lateral windage area [m²] ④④④ excluding pole

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. mA	700*	225
LED power max. [W]	95	36

* IR3 max. 650 mA

Operating conditions

Lifetime	Visit the configurator for specific lifetime options
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Driver

	A-Series	T-Series
Control options	ON, OFF, DALI, 1-10V, X, Z, Lys	T8, DALI
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics
* also available in satiné version



ewoLightTile: low glare light-guiding panels

Color temperature options: 2,200 K (CRI ≥ 70), 2,700 K (CRI ≥ 70), 3,000 K (CRI ≥ 80), 4,000 K (CRI ≥ 70), 5,700 K (CRI ≥ 70). CRI ≥ 80 on request. Tunable White (CRI ≥ 80) and RGBW options available.

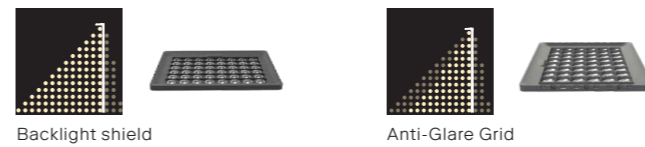
Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

Model	IR1	IR2	IR3	IR2	IR3
Light units	1	2	3	2	3
Luminous flux [lm]	1,000-3,800	1,900-7,700	2,900-10,900	1,800	2,700

Accessories

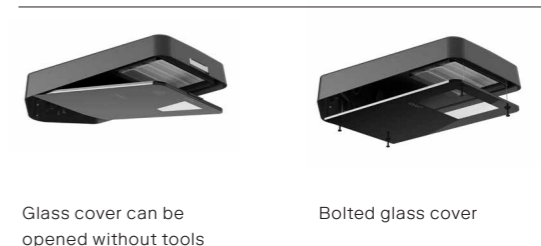
ewoLightLayers (optical accessories)



Available designs



Glass cover



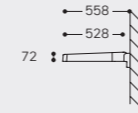
WALL
IR1-W, IR2-W, IR3-W

Area, street and
walkway lighting



DB 703
Anthracite

ewo
colours



A-Series
IR1, IR2, IR3
1-3 lighting units

T-Series
IR2, IR3
2-3 lighting units

Configurator

CE RoHS IP66 IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Wall
	* other colours on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m]	⊕ ¹	⊖ ²	Weight [kg] ⊕
IR1-W	/	0.12	0.04	10.0
IR2-W	/	0.12	0.04	10.0
IR3-W	/	0.12	0.04	10.0

⊕ projected windage area [m²] ⊕ max. weight
⊖ lateral windage area [m²]

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700*	225
LED power max. [W]	95	36

* IR3 max. 650 mA

Operating conditions

Lifetime	Visit the configurator for specific lifetime options
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Driver

	A-Series	T-Series
Control options	ON OFF DALI 1-10V X X Z Lys	T8 DALI
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

A
SERIES

Precision lens optics
* also available in satiné version

T
SERIES

ewoLightTile: low glare
light-guiding panels

AH02* Symmetric Wide Flood

AP07* Asymmetric Extra Forward

AS06* Asymmetric Extra Side Throw

TS11 Asymmetric Extra Forward

AS07* Asymmetric Side Throw

AS08* Asymmetric Side and Forward Throw

AS09* Asymmetric Extra Side Throw

TP08 Asymmetric Side and Forward Throw

AS10-L Asymmetric Forward - Left

AS10-R Asymmetric Forward - Right

Shape your own light by combining any light distribution

2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGB

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

Model	IR1-W	IR2-W	IR3-W	IR2-W	IR3-W
Light units	1	2	3	2	3
Luminous flux [lm]	1,000-3,800	1,900-7,700	2,900-10,900	1,800	2,700

Accessories

ewoLightLayers (optical accessories)



Glass cover

