



Industry

Industrial plants, storage warehouses, sports and shopping centers, food sectors make up the fields application for which Palazzoli has studied products with high lighting performance, great ease of installation and total absence of maintenance. Thanks to the many mounting accessories available, luminaires can be installed in any environment, both indoors and outdoors.



Steel plants

Sports facilities
and large areas

Food industries



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XTIGUA page 103



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RINO page 133



META₁₅₀ page 140



RINO page 131



META₁₅₀ page 140



DARWIN page 115



TIGUA page 147



TIGUA page 147



XTIGUA page 153



Chemical agents

High temperatures

Low temperatures







Floodlights

Steel plants - Sports facilities
and large areas - Food industries
Chemical agents - High temperatures
Low temperatures



TIGUA

from 6480 lm to 24252 lm
Page 96



XTIGUA

from 23300 lm to 126412 lm
Page 102



DARWIN

from 60000 lm to 194400 lm
Page 114



FLIGHT

from 5250 lm to 10370 lm
Page 122



META

from 9193 lm to 18387 lm
Page 124



YUMA

from 9620 lm to 25480 lm
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TIGUA floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

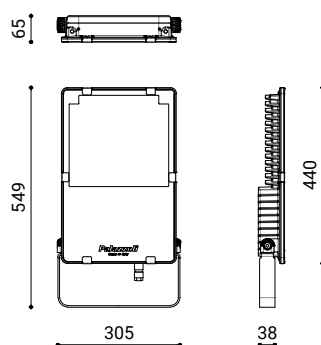
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy with low-content of copper (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	U-bracket with -135° ... +135° adjustment
Ambient operating temperature	-40 °C - +40 °C -40 °C - +60 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 145 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 60,000h Tq=+60° C (HT version) L90 B10 @ 110,000h Tq=+40° C L90 B10 @ 230,000h Tq=+25° C
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm

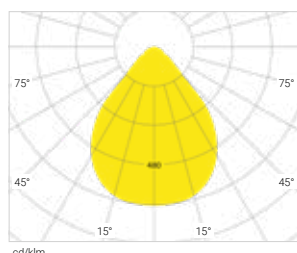
Special versions can be made with a DALI power supply, with radio wave remote control and with colour temperatures from 2100 K (amber) to 6500 K.

TIGUA floodlight

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

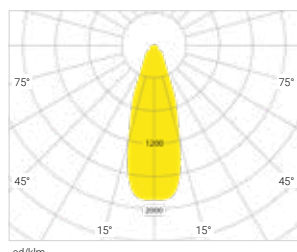


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837011
24	95	15390	12825	Glass	135	On-off	6,50	837012
36	130	20280	16900	Glass	130	On-off	6,50	837013
24	140	23688	19740	Glass	141	On-off	7,00	837024
24	188	30004	24252	Glass	129	On-off	7,00	837025

High temperature



12	48	7776	6480	Glass	135	On-off	6,40	837011HT
24	95	15390	12825	Glass	135	On-off	6,50	837012HT
24	115	20010	16675	Glass	145	On-off	7,00	837025HT
24	126	21470	17892	Glass	142	On-off	7,00	837026HT



Symmetrical 36° narrow beam optics

Included: wall-mounting bracket.

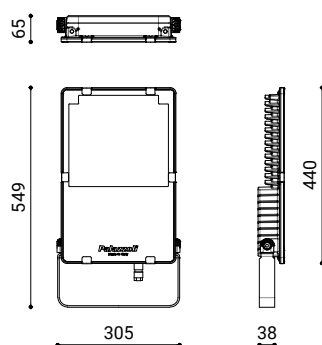
Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



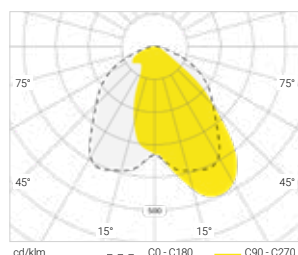
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837111
24	95	15390	12825	Glass	135	On-off	6,50	837112
36	130	20280	16900	Glass	130	On-off	6,50	837113
24	140	23688	19740	Glass	141	On-off	7,00	837124
24	188	30004	24252	Glass	129	On-off	7,00	837125

TIGUA floodlight

Flicker
<1%Class
I

IP66

IK08



Asymmetrical 23° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

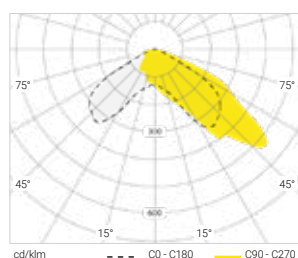


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837211
24	95	15390	12825	Glass	135	On-off	6,20	837212
36	130	20280	16900	Glass	130	On-off	6,20	837213
24	140	23688	19740	Glass	141	On-off	7,00	837224
24	188	30004	24252	Glass	129	On-off	7,10	837225

High temperature



12	48	7776	6480	Glass	135	On-off	6,40	837211HT
24	95	15390	12825	Glass	135	On-off	6,50	837212HT
24	115	20010	16675	Glass	145	On-off	7,10	837225HT
24	126	21470	17892	Glass	142	On-off	7,00	837226HT



Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

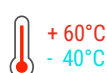
Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



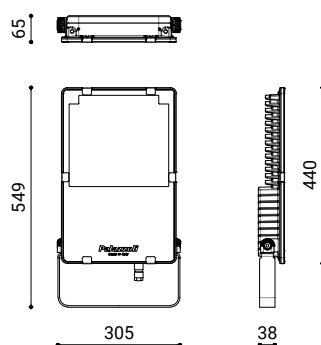
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837711
24	95	15390	12825	Glass	135	On-off	6,50	837712
36	130	20280	16900	Glass	130	On-off	6,50	837713
24	140	23688	19740	Glass	141	On-off	6,90	837724
24	188	30004	24252	Glass	129	On-off	7,10	837725

High temperature



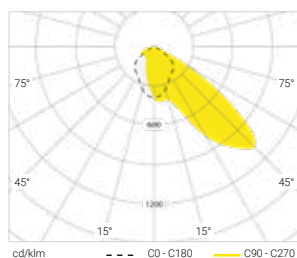
12	48	7776	6480	Glass	135	On-off	6,40	837711HT
24	95	15390	12825	Glass	135	On-off	6,50	837712HT
24	115	20010	16675	Glass	145	On-off	7,10	837725HT
24	126	21470	17892	Glass	142	On-off	7,00	837726HT

TIGUA floodlight

Flicker
<1%Class
I

IP66

IK08



Asymmetrical 43° narrow beam optics

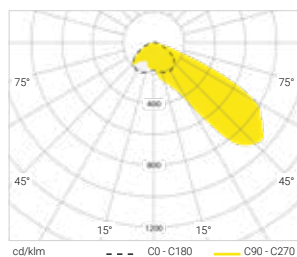
Included: wall-mounting bracket.

Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837311
24	95	15390	12825	Glass	135	On-off	7,80	837312
36	130	20280	16900	Glass	130	On-off	6,50	837313
24	140	23688	19740	Glass	141	On-off	6,90	837324
24	188	30004	24252	Glass	129	On-off	7,10	837325



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.

Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



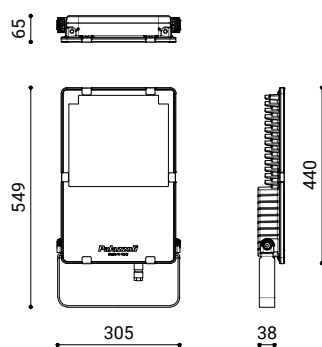
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837511
24	95	15390	12825	Glass	135	On-off	6,50	837512
36	130	20280	16900	Glass	130	On-off	6,50	837513
24	140	23688	19740	Glass	141	On-off	7,00	837524
24	188	30004	24252	Glass	129	On-off	7,00	837525

High temperature



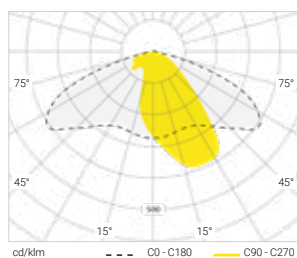
12	48	7776	6480	Glass	135	On-off	6,40	837511HT
24	95	15390	12825	Glass	135	On-off	6,50	837512HT
24	115	20010	16675	Glass	145	On-off	7,00	837525HT
24	126	21470	17892	Glass	142	On-off	7,00	837526HT

TIGUA floodlight

Flicker
<1%Class
I

IP66

IK08



Roadway 65° wide beam optics

Included: wall-mounting bracket.

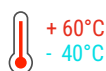
Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

On request, the version
with integrated head pole
attachment is available

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	48	7776	6480	Glass	135	On-off	6,40	837411
24	95	15390	12825	Glass	135	On-off	6,50	837412
36	130	20280	16900	Glass	130	On-off	7,20	837413
24	140	23688	19740	Glass	141	On-off	7,00	837424
24	188	30004	24252	Glass	129	On-off	7,00	837425

High temperature



12	48	7776	6480	Glass	135	On-off	6,40	837411HT
24	95	15390	12825	Glass	135	On-off	6,50	837412HT
24	115	20010	16675	Glass	145	On-off	7,00	837425HT
24	126	21470	17892	Glass	142	On-off	7,00	837426HT

Accessories TIGUA floodlight



TIGUA floodlight equipped with **pole-top attachment**

Protective grid



Material:
Galvanized steel

Code: **811911**

Universal attachment for head pole installation
for 60 mm and 76 mm nominal pole diameter



Material:
Painted
galvanized steel

Code: **811908**

Support for arm installation 750 mm projection



Material:
Painted
galvanized steel

Code: **811914**

Kit consisting of collar and counter-plate
for 60 mm and 76 mm nominal pole diameter



Material:
Painted
galvanized steel

Code: **811912**

3 way through-wiring connector
16A 250/400V IP66/IP68



Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Notes: the power connector consists of 1 input and 2 outputs
and is suitable for making an external input-output connection
to the luminaire. Not suitable for ATEX floodlights.

XTIGUA floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

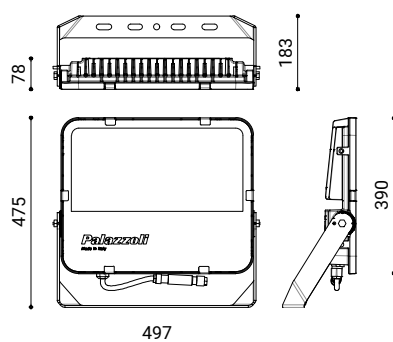
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy with low copper content (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	U-bracket with -110° ... +110° adjustment
Ambient operating temperature	-40 °C - +35 °C -40 °C - +55 °C (HT version) -40 °C - +70 °C (VHT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 161 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 50,000h Tq=+70° C (VHT version) L90 B10 @ 110,000h Tq=+40° C L90 B10 @ 230,000h Tq=+25° C
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm

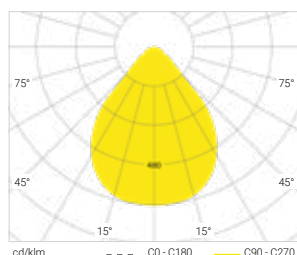
Special versions can be made with radio-wave remote control and with colour temperatures from 2100 K (amber) to 6500 K.

XTIGUA floodlight | M size

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	39931	33276	Glass	141	DALI	9,50	838036DA
48	309	52283	43569	Glass	141	DALI	9,50	838048DA

High temperature

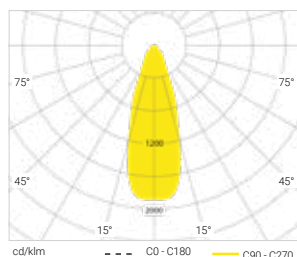


36	161	27900	23300	Glass	144	DALI	9,50	838036HT
48	192	37300	31100	Glass	161	DALI	9,50	838048HT

Very high temperature



36	161	27900	23300	Glass	144	DALI	9,50	838036VHT
48	192	37300	31100	Glass	161	DALI	9,50	838048VHT



Symmetrical 36° narrow beam optics

Included: wall-mounting bracket.

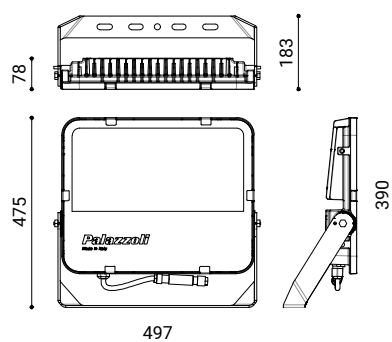
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	39931	33276	Glass	141	DALI	9,50	838136DA
48	309	52283	43569	Glass	141	DALI	9,50	838148DA

XTIGUA floodlight | M size

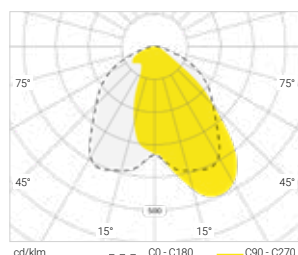


Flicker
<1%

Class
I

IP66

IK08



Asymmetrical 23° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



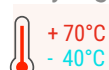
LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	40498	33748	Glass	143	DALI	9,50	838236DA
48	309	53024	44187	Glass	143	DALI	9,50	838248DA

High temperature

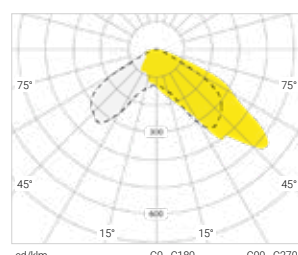


36	161	27900	23300	Glass	144	DALI	9,50	838236HT
48	192	37300	31100	Glass	161	DALI	9,50	838248HT

Very high temperature



36	161	27900	23300	Glass	144	DALI	9,50	838236VHT
48	192	37300	31100	Glass	161	DALI	9,50	838248VHT



Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

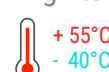
The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	39931	33276	Glass	141	DALI	9,50	838736DA
48	309	52283	43569	Glass	141	DALI	9,50	838748DA

High temperature



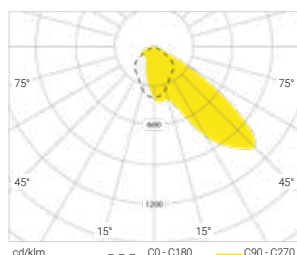
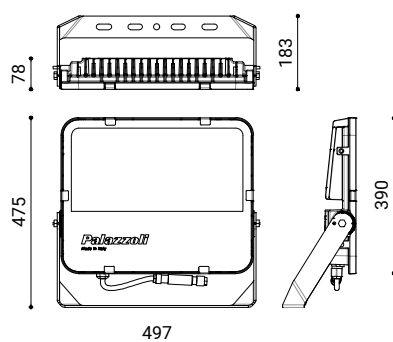
36	161	27900	23300	Glass	144	DALI	9,50	838736HT
48	192	37300	31100	Glass	161	DALI	9,50	838748HT

Very high temperature



36	161	27900	23300	Glass	144	DALI	9,50	838736VHT
48	192	37300	31100	Glass	161	DALI	9,50	838748VHT

XTIGUA floodlight | M size



Asymmetrical 43° narrow beam optics

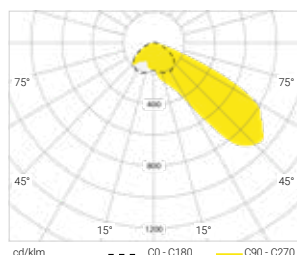
Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	39931	33276	Glass	141	DALI	9,50	838336DA
48	309	52283	43569	Glass	141	DALI	9,50	838348DA



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
36	236	39931	33276	Glass	141	DALI	9,50	838536DA
48	309	52283	43569	Glass	141	DALI	9,50	838548DA

High temperature



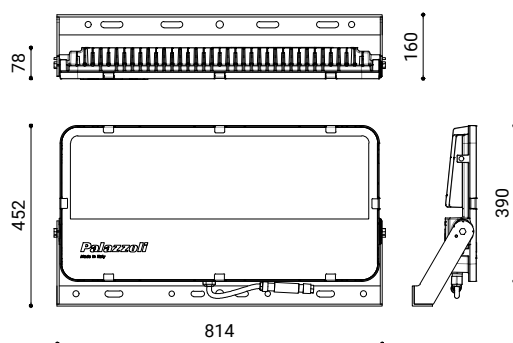
36	161	27900	23300	Glass	144	DALI	9,50	838536HT
48	192	37300	31100	Glass	161	DALI	9,50	838548HT

Very high temperature



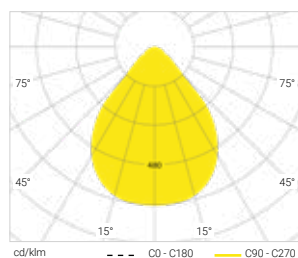
36	161	27900	23300	Glass	144	DALI	9,50	838536VHT
48	192	37300	31100	Glass	161	DALI	9,50	838548VHT

XTIGUA floodlight | L size

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.

 + 35°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	62707	52256	Glass	142	DALI	13,40	838060DA
72	442	75317	62764	Glass	142	DALI	13,40	838072DA

High temperature

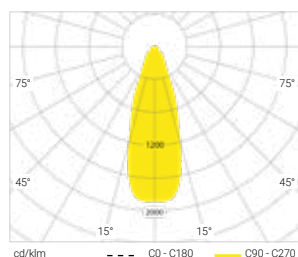
 + 55°C
- 40°C

60	241	46680	38900	Glass	161	DALI	13,40	838060HT
72	290	55900	46600	Glass	160	DALI	13,40	838072HT

Very high temperature

 + 70°C
- 40°C

60	241	46680	38900	Glass	161	DALI	13,40	838060VHT
72	290	55900	46600	Glass	160	DALI	13,40	838072VHT



Symmetrical 36° narrow beam optics

Included: wall-mounting bracket.

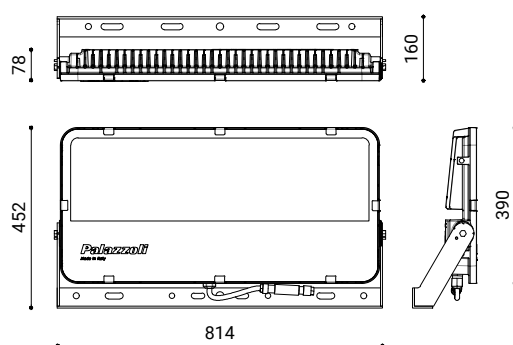
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.

 + 35°C
- 40°C

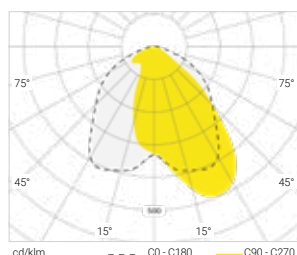
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	62707	52256	Glass	142	DALI	13,40	838160DA
72	442	75317	62764	Glass	142	DALI	13,40	838172DA

XTIGUA floodlight | L size

Flicker
<1%Class
I

IP66

IK08



Asymmetrical 23° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	63149	52624	Glass	143	DALI	13,40	838260DA
72	442	75847	63206	Glass	143	DALI	13,40	838272DA

High temperature

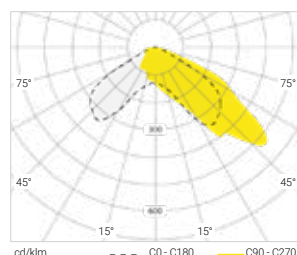


60	241	46680	38900	Glass	161	DALI	13,40	838260HT
72	290	55900	46600	Glass	160	DALI	13,40	838272HT

Very high temperature



60	241	46680	38900	Glass	161	DALI	13,40	838260VHT
72	290	55900	46600	Glass	160	DALI	13,40	838272VHT



Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

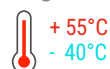
The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	62707	52256	Glass	142	DALI	13,40	838760DA
72	442	75317	62764	Glass	142	DALI	13,40	838772DA

High temperature



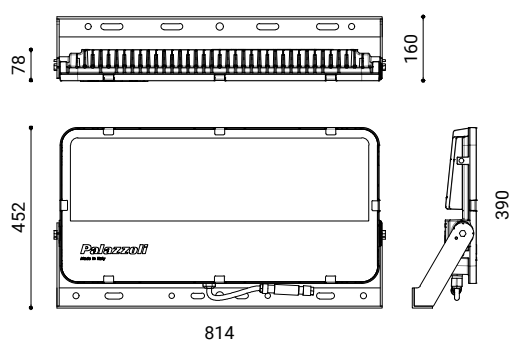
60	241	46680	38900	Glass	161	DALI	13,40	838760HT
72	290	55900	46600	Glass	160	DALI	13,40	838772HT

Very high temperature



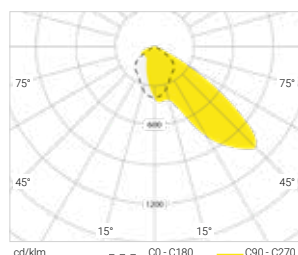
60	241	46680	38900	Glass	161	DALI	13,40	838760VHT
72	290	55900	46600	Glass	160	DALI	13,40	838772VHT

XTIGUA floodlight | L size

Flicker
<1%Class
I

IP66

IK08

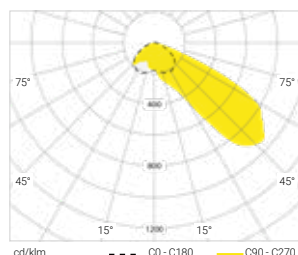


Asymmetrical 43° narrow beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	62707	52256	Glass	142	DALI	13,40	838360DA
72	442	75317	62764	Glass	142	DALI	13,40	838372DA



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The very high temperature versions are equipped with an external driver, already mounted on the floodlight and wired.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
60	368	62707	52256	Glass	142	DALI	13,40	838560DA
72	442	75317	62764	Glass	142	DALI	13,40	838572DA

High temperature



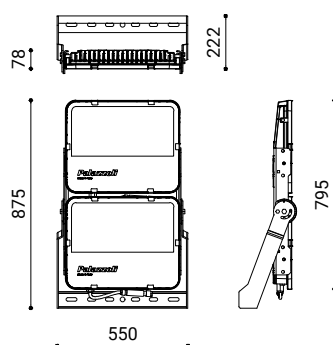
60	241	46680	38900	Glass	161	DALI	13,40	838560HT
72	290	55900	46600	Glass	160	DALI	13,40	838572HT

Very high temperature



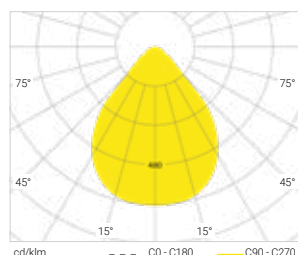
60	241	46680	38900	Glass	161	DALI	13,40	838560VHT
72	290	55900	46600	Glass	160	DALI	13,40	838572VHT

XTIGUA floodlight | XL size

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

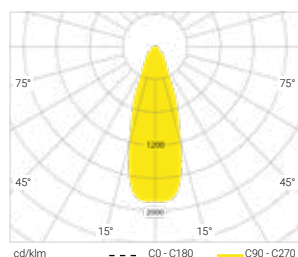
Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	104566	87138	Glass	141	DALI	23,20	838096DA



Symmetrical 36° narrow beam optics

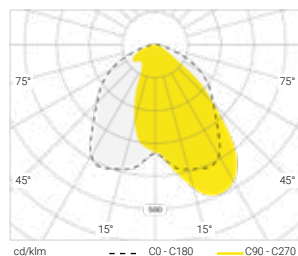
Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	104566	87138	Glass	141	DALI	23,20	838196DA



Asymmetrical 23° extra wide beam optics

Included: wall-mounting bracket.

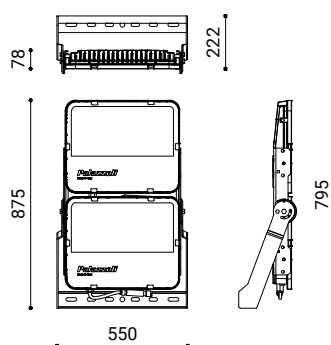
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



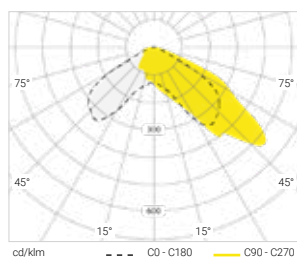
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	106049	88374	Glass	143	DALI	23,20	838296DA

XTIGUA floodlight | XL size

Flicker
<1%Class
I

IP66

IK08

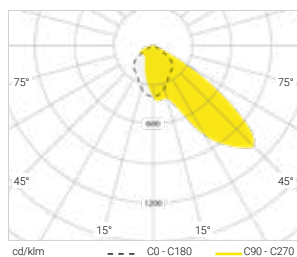


Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	104566	87138	Glass	141	DALI	23,20	838796DA

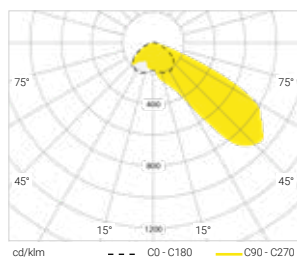


Asymmetrical 43° narrow beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	104566	87138	Glass	141	DALI	23,20	838396DA



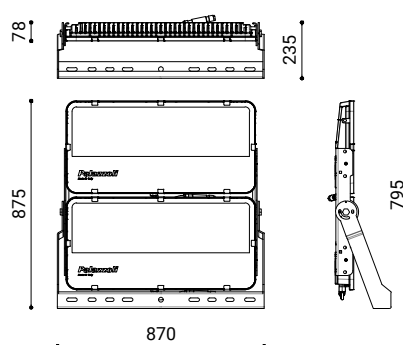
Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



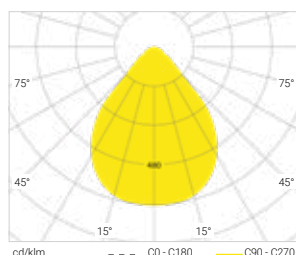
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	618	104566	87138	Glass	141	DALI	23,20	838596DA

XTIGUA floodlight | XXL size

Flicker
<1%Class
I

IP66

IK08

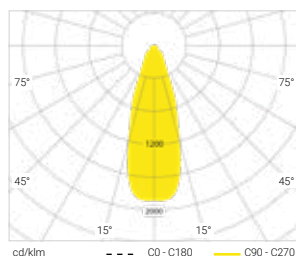


Symmetrical 81° extra wide beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	125414	104512	Glass	142	DALI	35,00	838012DA
144	884	150634	125528	Glass	142	DALI	35,00	838014DA

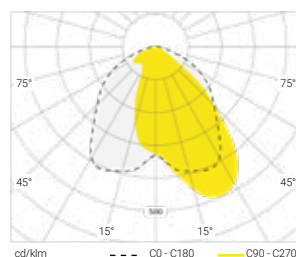


Symmetrical 36° narrow beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	125414	104512	Glass	142	DALI	35,00	838112DA
144	884	150634	125528	Glass	142	DALI	35,00	838114DA



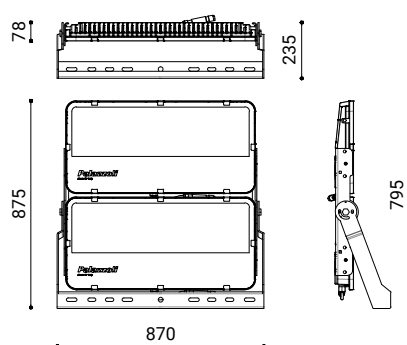
Asymmetrical 23° extra wide beam optics

Included: wall-mounting bracket.
Power supply with 5Px1.5mm² quick-fit connector and 1.5 mm² H07RN-F cable.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	126298	105248	Glass	143	DALI	35,00	838212DA
144	884	151694	126412	Glass	143	DALI	35,00	838214DA

XTIGUA floodlight | XXL size

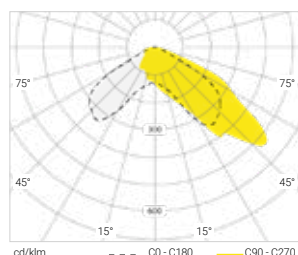


Flicker
<1%

Class
I

IP66

IK08



Asymmetrical 50° extra wide beam optics

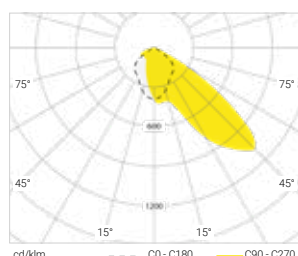
Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	125414	125414	Glass	142	DALI	35,00	838712DA
144	884	150634	125528	Glass	142	DALI	35,00	838714DA



Asymmetrical 43° narrow beam optics

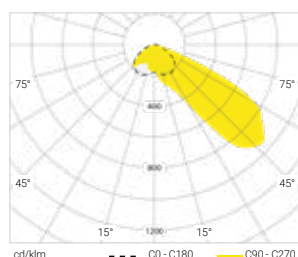
Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	125414	104512	Glass	142	DALI	35,00	838312DA
144	884	150634	125528	Glass	142	DALI	35,00	838314DA



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.

Power supply with 5Px1.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
120	736	125414	104512	Glass	142	DALI	35,00	838512DA
144	884	150634	125528	Glass	142	DALI	35,00	838514DA

Accessories XTIGUA floodlight



XTIGUA floodlight with **crossbeam for pole-top installation**

Protective grid
for floodlights - M size, XL

	Material: Galvanized steel Code: 818992
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Note: for XL and XXL sizes use 2 grids.

Protective grid
for floodlights - L size, XXL

	Material: Galvanized steel Code: 818993
---	--

Note: for XL and XXL sizes use 2 grids.

Crossbeam for head pole installation for 1 or 2
floodlights

	Material: Painted galvanized steel Code: 818990
---	---

Notes: crossbeam suitable for mounting up to 2 floodlights of M, L and XL size.
For XXL size the crossbeam code is 818991.
The crossbeam can be installed on poles from $\varnothing$ 60 to $\varnothing$ 76 mm.

Crossbeam for head pole installation for 2 or 4
floodlights

	Material: Painted galvanized steel Code: 818991
---	---

Notes: suitable for mounting up to 2 floodlights of L, XXL size or no. 4 floodlights of M, XL size.
The crossbeam can be installed on poles from $\varnothing$ 60 to $\varnothing$ 76 mm.

3 way through-wiring connector
16A 250/400V IP66/IP68

	Poles: 5 Max section (mm ²): 2,5 Clamping diameter (mm): 7-13 Code: 818905
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Notes: the power connector consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire. Not suitable for ATEX floodlights.

DARWIN floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

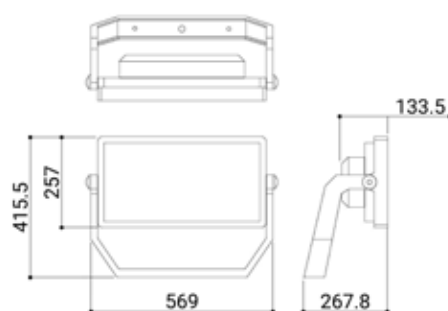
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	"U" bracket with adjustment
Ambient operating temperature	-40 °C - +50 °C (+70 °C HT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 162 lm/W
Colour temperature	4.000 K (on request 5.700 K)
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual Flicker	< 1%
Luminous flux maintenance	L90 B10 @ 50,000h Tq=+70° C (HT version) L90 B10 @ 110,000h Tq=+50 °C L90 B10 @ 210,000h Tq=+25 °C
Insulation class	I
Supply voltage	200-480V 0/50/60 Hz
Surge protection	10 kV common mode and 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Power type	Cable H05RN-F 5x1 mm ² length 1 m

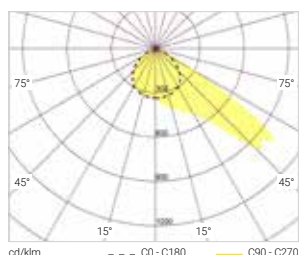
Special versions can be made with radio-wave remote control and with colour temperatures of 5700 K.

DARWIN floodlight | 1 module

Flicker
<1%Class
I

IP66

IK08

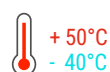


Asymmetrical 50° narrow beam optics

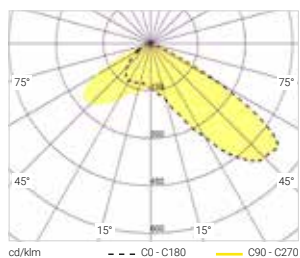
Included: wall-mounting bracket.

Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
216	400	75120	62600	Glass	157	DALI	12,00	835114DA



Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

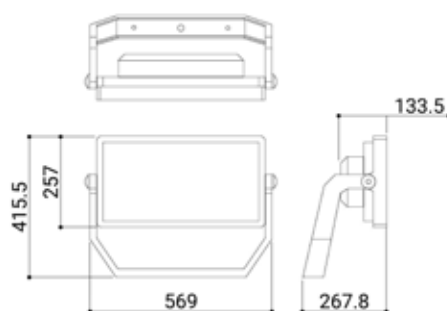
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



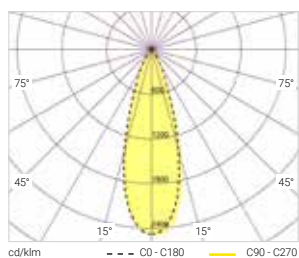
LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
216	400	72000	60000	Glass	150	DALI	12,00	835124DA

DARWIN floodlight | 1 module

Flicker
<1%Class
I

IP66

IK08

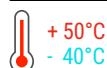


Symmetrical 30° narrow beam optics

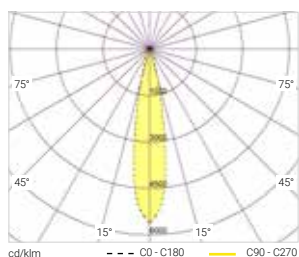
Included: wall-mounting bracket.

Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
216	400	77760	64800	Glass	162	DALI	12,00	835134DA



Symmetrical 18° narrow beam optics

Included: wall-mounting bracket.

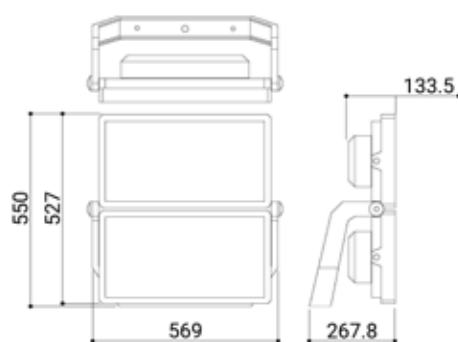
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



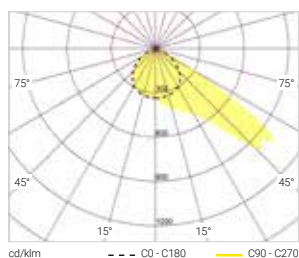
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
216	400	76680	63900	Glass	160	DALI	12,00	835144DA

DARWIN floodlight | 2 modules

Flicker
<1%Class
I

IP66

IK08



Asymmetrical 50° narrow beam optics

Included: wall-mounting bracket.

Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

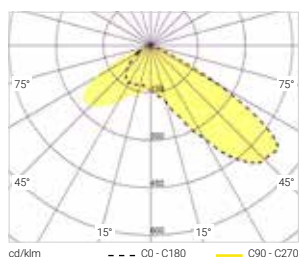


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
432	800	150240	125200	Glass	157	DALI	22,00	835214DA

Very high temperature



432	400	75120	62600	Glass	157	DALI	22,00	835214HT
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Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

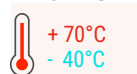
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



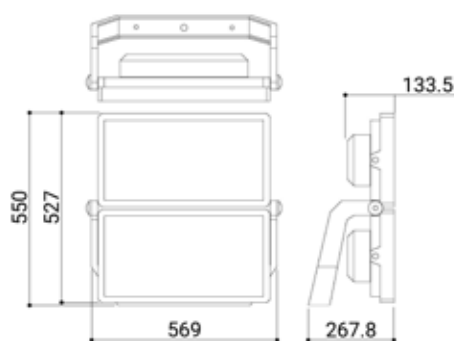
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
432	800	144000	120000	Glass	150	DALI	22,00	835224DA

Very high temperature



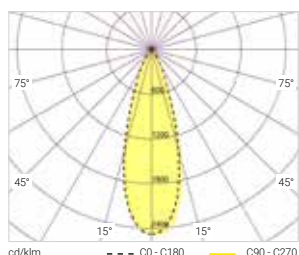
432	400	72000	60000	Glass	150	DALI	22,00	835224HT
-----	-----	-------	-------	-------	-----	------	-------	-----------------

DARWIN floodlight | 2 modules

Flicker
<1%Class
I

IP66

IK08

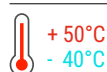


Symmetrical 30° narrow beam optics

Included: wall-mounting bracket.

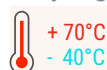
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

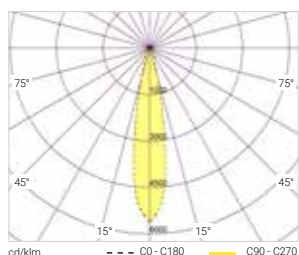


LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
432	800	155520	129600	Glass	162	DALI	22,00	835234DA

Very high temperature



432	400	77760	64800	Glass	162	DALI	22,00	835234HT
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Symmetrical 18° narrow beam optics

Included: wall-mounting bracket.

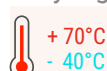
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



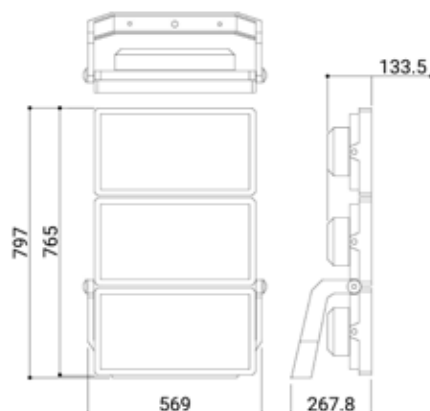
LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
432	800	153360	127800	Glass	160	DALI	22,00	835244DA

Very high temperature



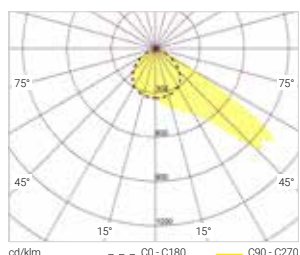
432	400	76680	63900	Glass	160	DALI	22,00	835244HT
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DARWIN floodlight | 3 modules

Flicker
<1%Class
I

IP66

IK08

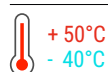


Asymmetrical 50° narrow beam optics

Included: wall-mounting bracket.

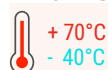
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

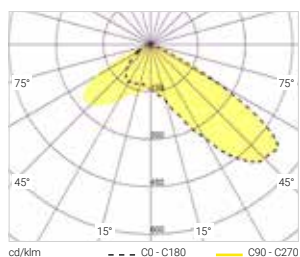


LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
648	1200	225360	187800	Glass	157	DALI	32,00	835314DA

Very high temperature



648	600	112680	93900	Glass	157	DALI	32,00	835314HT
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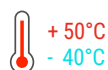


Asymmetrical 50° extra wide beam optics

Included: wall-mounting bracket.

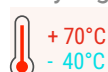
Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



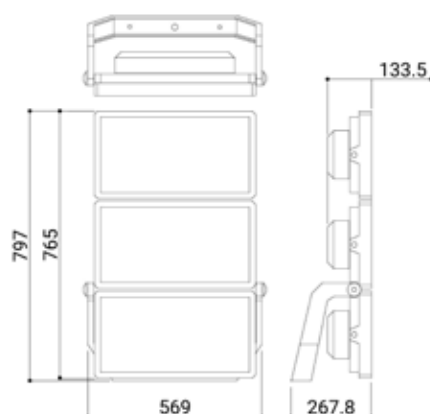
LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
648	1200	216000	180000	Glass	150	DALI	32,00	835324DA

Very high temperature



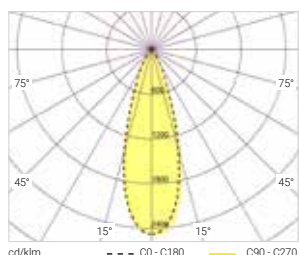
648	600	108000	90000	Glass	150	DALI	32,00	835324HT
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DARWIN floodlight | 3 modules

Flicker
<1%Class
I

IP66

IK08



Symmetrical 30° narrow beam optics

Included: wall-mounting bracket.

Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

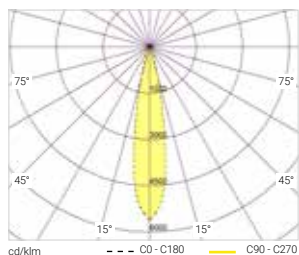
+ 50°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
648	1200	233280	194400	Glass	162	DALI	32,00	835334DA

Very high temperature

+ 70°C
- 40°C

648	600	116640	97200	Glass	162	DALI	32,00	835334HT
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Symmetrical 18° narrow beam optics

Included: wall-mounting bracket.

Power supply with 1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

+ 50°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
648	1200	230040	191700	Glass	160	DALI	32,00	835344DA

Very high temperature

+ 70°C
- 40°C

648	600	115020	95850	Glass	160	DALI	32,00	835344HT
-----	-----	--------	-------	-------	-----	------	-------	-----------------

Accessories DARWIN floodlight



DARWIN floodlight with **crossbeam for pole-top installation**

Crossbeam for head pole installation for 1 or 2 floodlights



Material:
Painted galvanized
steel

Code: **818990**

Notes: the crossbeam can be installed on poles from $\varnothing$ 60 to $\varnothing$ 76 mm.

Crossbeam for head pole installation for 2 or 4 floodlights



Material:
Painted galvanized
steel

Code: **818991**

Notes: the crossbeam can be installed on poles from $\varnothing$ 60 to $\varnothing$ 76 mm.

FLIGHT floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

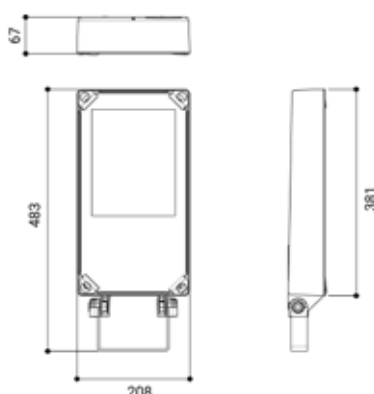
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy with low copper content EN 44300
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK09 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	"U" bracket with adjustment
Ambient operating temperature	-40 °C - +45 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 180 lm/W
Colour temperature	4.000 K (on request 3.000 K)
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B10 @ 150,000h Tq=+25 °C
Insulation class	II
Supply voltage	220-240V 50/60 Hz
Surge protection	4 kV common mode and 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	2x1 mm ² H05RN-F cable length 1 m with 2Px2,5 mm ² connector
Max. conductor cross-section	2,5 mm ²
Inlet cable diameter	9 ÷ 12 mm

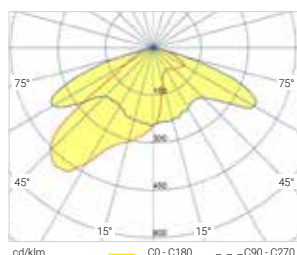
Special versions can be made with a DALI power supply, with radio wave remote control and with colour temperatures from 2100 K (amber) to 6500 K.

FLIGHT floodlight | S size

Flicker
<1%Class
II

IP66

IK09



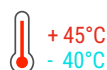
Roadway 65° wide beam optics

Included: wall-mounting bracket.

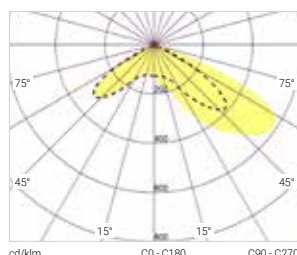
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 1 m.

PMMA lenses.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	6300	5250	Glass	150	On-off	5,0	805128
20	46	8060	6716	Glass	146	On-off	5,0	805168
20	61	10395	8662	Glass	142	On-off	5,0	805198



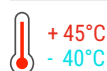
Large areas 60° extra wide beam optics

Included: wall-mounting bracket.

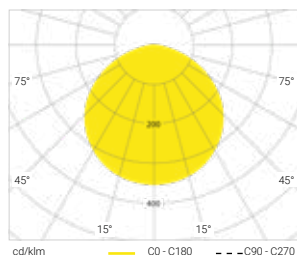
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 1 m.

PMMA lenses.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	6300	5250	Glass	150	On-off	5,0	805127
20	46	8060	6716	Glass	146	On-off	5,0	805167
20	61	10395	8662	Glass	142	On-off	5,0	805197



Symmetrical 120° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 1 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	7560	6300	Glass	180	On-off	5,0	805129
20	46	9660	8050	Glass	175	On-off	5,0	805169
20	61	12444	10370	Glass	170	On-off	5,0	805199

META floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

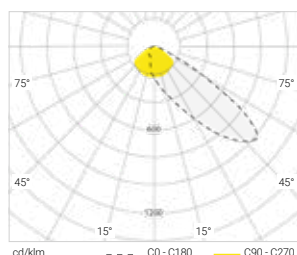
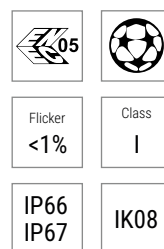
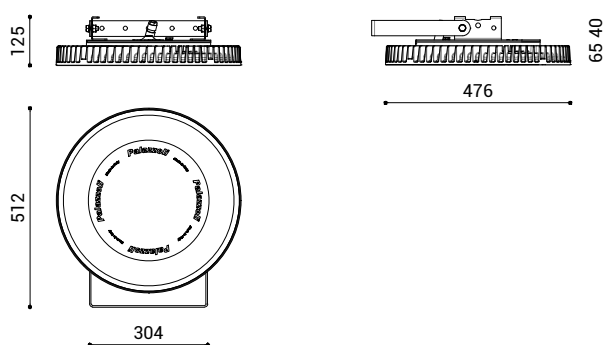
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy EN 46100
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66/IP67 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C4-M / C3-H (ISO 9223)
Mounting system	"U" bracket with adjustment
Ambient operating temperature	-40 °C - +40 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 93 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @ 110,000h Tq=+40 °C
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm

Special versions can be made with operating temperatures up to +55 °C and colour temperatures from 3000 K to 6500 K.

META floodlight



Asymmetrical 50° narrow beam optics

Included: adjustable bracket for wall mounting or to load-bearing structures (poles, lighting towers).
Power supply with 5P quick connector.
Suitable for lighting outdoor areas and sports facilities.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
9	99	13230	9193	Glass	93	Dimmable 1-10V	10,56	810296
12	133	17640	12258	Glass	92	Dimmable 1-10V	10,67	810226
15	168	22050	15322	Glass	91	Dimmable 1-10V	10,98	810256
18	199	26460	18387	Glass	92	Dimmable 1-10V	11,15	810286

Accessories META floodlight

Protective grid



Material:
Galvanized steel

Code: **810993**

Universal attachment for head pole installation for Ø 60 mm and Ø 76 mm nominal pole



Material:
Painted galvanized steel

Code: **811908**

Kit consisting of collar and plate for Ø 60 mm to Ø 80 mm pole mounting



Material:
Painted galvanized steel

Code: **811912**

3 way through-wiring connector
16A 250/400V IP66/IP68

Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Notes: the power distributor consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire.

YUMA floodlight



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	AISI 316L stainless steel
Surface treatment	Natural finishing
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-H (ISO 9223)
Mounting system	"U" bracket with adjustment
Ambient operating temperature	-40 °C - +50 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	130 lm/W
Colour temperature	4000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 110,000h Tq=+50 °C L90 B10 @ 230,000h Tq=+25 °C
Insulation class	I
Supply voltage	220-240V 50/60 Hz
Surge protection	10 kV common mode and 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Inlet cable diameter	7 ÷ 13 mm

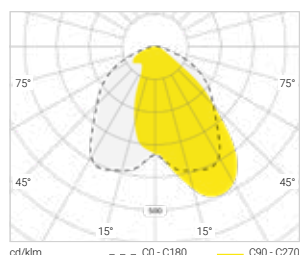
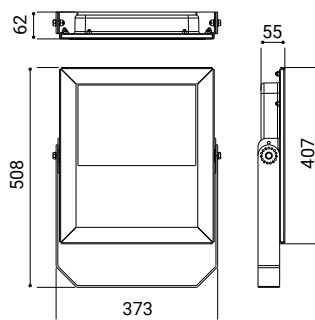
Special versions can be made with symmetric optics, with DALI power supply, with radio wave remote control and with colour temperatures from 2100 K (amber) to 6500 K.

YUMA floodlight | M size

Flicker
<1%Class
I

IP66

IK08



Asymmetrical 23° extra wide beam optics

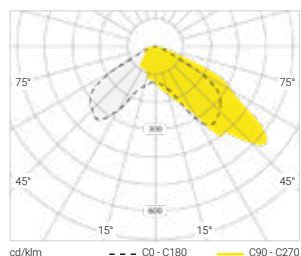
Included: wall-mounting bracket.

Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
24	74	11544	9620	Glass	130	+50	On-off	9,00	807232
24	98	15288	12740	Glass	130	+50	On-off	9,00	807242

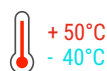


Asymmetrical 50° extra wide beam optics

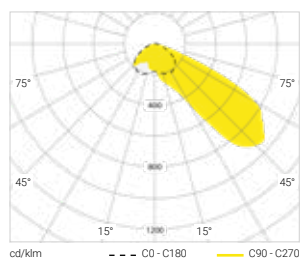
Included: wall-mounting bracket.

Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
24	74	11544	9620	Glass	130	+50	On-off	9,00	807237
24	98	15288	12740	Glass	130	+50	On-off	9,00	807247



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.

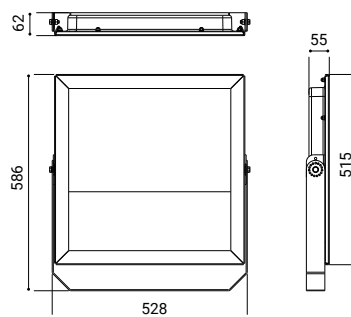
Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



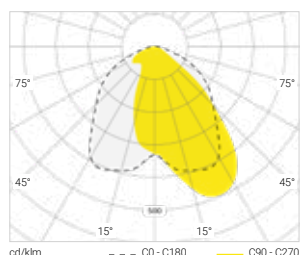
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
24	74	11544	9620	Glass	130	+50	On-off	9,00	807235
24	98	15288	12740	Glass	130	+50	On-off	9,00	807245

YUMA floodlight | L size

Flicker
<1%Class
I

IP66

IK08

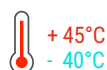


Asymmetrical 23° extra wide beam optics

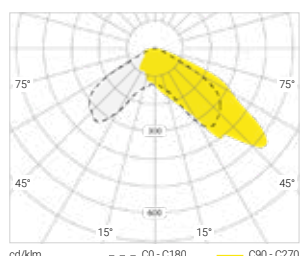
Included: wall-mounting bracket.

Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	On-off	9,00	807352
48	196	30576	25480	Glass	130	+40	On-off	9,00	807362



Asymmetrical 50° extra wide beam optics

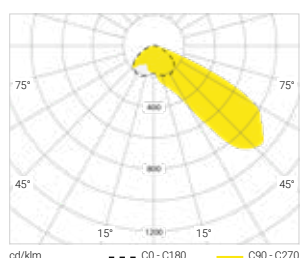
Included: wall-mounting bracket.

Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	On-off	9,00	807357
48	196	30576	25480	Glass	130	+40	On-off	9,00	807367



Asymmetrical 55° narrow beam optics

Included: wall-mounting bracket.

Power supply with 3Px2.5 mm² quick-fit connector and 1.5 mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Temp. max. ambiente (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	On-off	9,00	807355
48	196	30576	25480	Glass	130	+40	On-off	9,00	807365



Ceiling lights and pendants

Steel plants - Sports facilities
and large areas - Food industries
Chemical agents - High temperatures
Low temperatures



RINO

from 3562 lm to 15020 lm
Page 130



META150

from 10600 lm to 30883 lm
Page 139



META

from 8140 lm to 21659 lm
Page 142



TIGUA

from 8593 lm to 22100 lm
Page 146



XTIGUA

from 21580 lm to 48800 lm
Page 152



YUMA

from 19240 lm to 25480 lm
Page 156

RINO



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

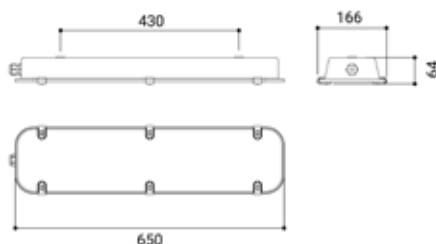
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	AISI 304 stainless steel Painted galvanized steel
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	RAL 9016 (painted galvanized steel version)
Diffuser material	Tempered glass and UV-stabilized polycarbonate
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK09 as per IEC/EN 62262
Corrosion class	C5-H AISI 304 stainless steel (ISO 9223) C5-M / C4-H painted galvanized steel (ISO 9223)
Mounting system	Pair of AISI 304 stainless steel eyebolts
Ambient operating temperature	-30 °C - +45 °C 0 °C - +35 °C (emergency versions) -30 °C - +65 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C -30 °C - +50 °C emergency versions)
Actual efficacy of the device	Up to 142 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 3%
Luminous flux maintenance	L80 B10 @ 50,000h Tq=+25 °C Tq=+65 °C (HT version)
Emergency battery life	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	2 kV (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	1,5 mm ²
Entry cable diameter	9 ÷ 12 mm

Special versions can be made by combining materials, optics, power supplies and operating temperatures. Versions with radio wave remote control, through wiring can also be produced, in AISI 316L stainless steel and with colour temperatures from 3000 K to 6500 K.

RINO | 650 mm

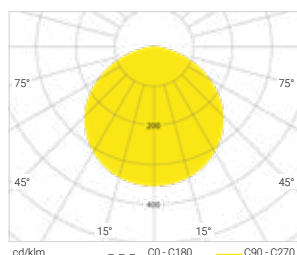
Class
I

IP66

IK09



1 entry on one end

Technopolymer
M20 connector

Symmetrical 110° extra wide beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.
Power supply with quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

	LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
Stainless steel	48	26	4100	3692	Glass	142	On-off	3,00	822152
	72	40	6440	5640	Glass	141	On-off	3,00	822252



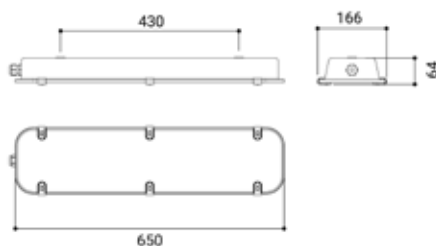
Painted galvanized steel	48	26	4100	3692	Glass	142	On-off	3,00	842152
	72	40	6440	5640	Glass	141	On-off	3,00	842252



Painted galvanized steel Emergency	48	26	4100	3692 (400 in EM)	Glass	142	On-off 1h Emergency	3,00	842150
	72	40	6440	5640 (400 in EM)	Glass	141	On-off 1h Emergency	3,00	842250



RINO | 650 mm

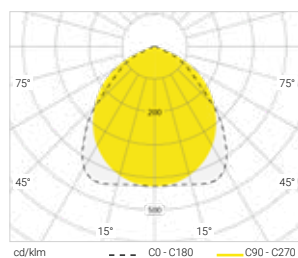
Class
I

IP66

IK09



1 entry on one end

Technopolymer
M20 connector

Symmetrical 88° comfort extra wide beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.
Power supply with quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
48	26	4100	3562	Glass	137	On-off	3,00	821152
72	40	6440	5400	Glass	135	On-off	3,00	821252

Stainless steel

Stainless steel
Emergency

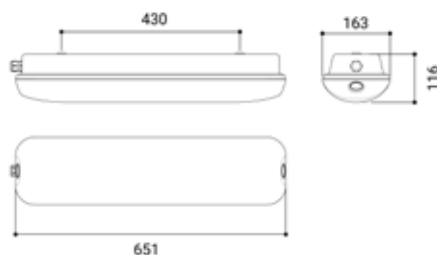
48	26	4100	3562 (400 in EM)	Glass	137	On-off 1h Emergency	3,00	821150
72	40	6440	5400 (400 in EM)	Glass	135	On-off 1h Emergency	3,00	821250
48	26	4100	3562 (400 in EM)	Glass	137	On-off 3h Emergency	3,00	821153
72	40	6440	5400 (400 in EM)	Glass	135	On-off 3h Emergency	3,00	821253

Painted galvanized steel



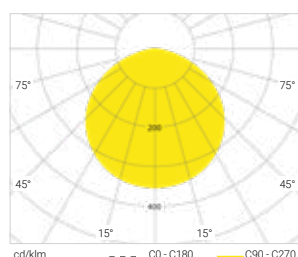
48	26	4100	3562	Glass	137	On-off	3,00	841152
72	40	6440	5400	Glass	135	On-off	3,00	841252

RINO | 650 mm

Class
I

IP66

IK09

QUICK
BLOCK

Symmetrical 110° extra wide beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.
Power supply with quick connector. Disconnect to allow safe opening.
The polycarbonate diffuser according to HACCP regulations.
The stated flux and power values may be subject to a +/- 7% tolerance.

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
84	26	4368	3640	Polycarbonate	140	On-off	3,00	826152
192	40	6720	5600	Polycarbonate	140	On-off	3,00	826252

Stainless steel

Stainless steel
Emergency

84	26	4368	3640 (400 in EM)	Polycarbonate	140	On-off 1h Emergency	3,00	826150
192	40	6720	5600 (400 in EM)	Polycarbonate	140	On-off 1h Emergency	3,00	826250
84	26	4368	3640 (400 in EM)	Polycarbonate	140	On-off 3h Emergency	3,00	826153
192	40	6720	5600 (400 in EM)	Polycarbonate	140	On-off 3h Emergency	3,00	826253

Painted galvanized steel

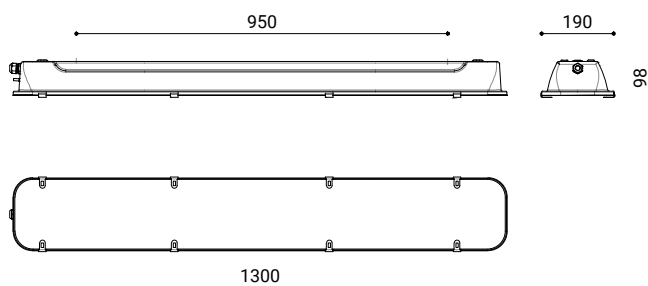


84	26	4368	3640	Polycarbonate	140	On-off	3,00	846152
192	40	6720	5600	Polycarbonate	140	On-off	3,00	846252

Painted galvanized steel
Emergency

84	26	4368	3640 (400 in EM)	Polycarbonate	140	On-off 1h Emergency	3,00	846150
192	40	6720	5600 (400 in EM)	Polycarbonate	140	On-off 1h Emergency	3,00	846250
84	26	4368	3640 (400 in EM)	Polycarbonate	140	On-off 3h Emergency	3,00	846153
192	40	6720	5600 (400 in EM)	Polycarbonate	140	On-off 3h Emergency	3,00	846253

RINO | 1300 mm

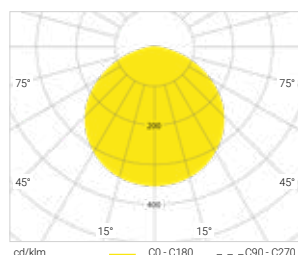
Class
I

IP66

IK09



1 entry on one end

Technopolymer
M20 connector

Symmetrical 110° extra wide beam optics

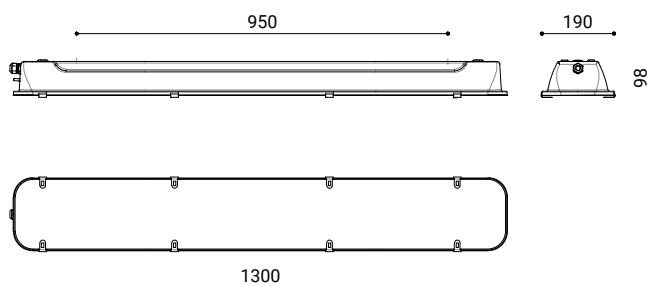
Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.

Power supply with quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

	LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
Stainless steel + 45°C - 30°C	96	52	8200	7384	Glass	142	On-off	6,23	822382
	144	63	11000	8946	Glass	142	On-off	6,20	822482
	144	75	12200	10575	Glass	141	On-off	6,20	822582
Stainless steel High efficiency 90,000 h + 45°C - 30°C	384	83	16750	15020	Glass	181	On-off	6,20	822782
Painted galvanized steel + 45°C - 30°C	96	52	8200	7384	Glass	142	On-off	6,33	842382
	144	63	11000	8946	Glass	142	On-off	6,30	842482
	144	75	12200	10575	Glass	141	On-off	6,30	842582
Painted galvanized steel Emergency + 35°C 0°C	96	52	8200	7384 (940 in EM)	Glass	142	On-off 1h Emergency	6,64	842380
Painted galvanized steel High efficiency 90,000 h + 45°C - 30°C	384	83	16750	15020	Glass	181	On-off	6,30	842782

RINO | 1300 mm

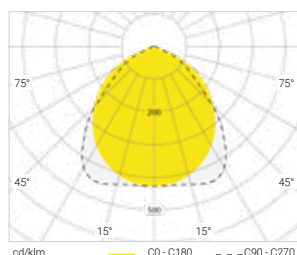
Class
I

IP66

IK09



1 entry on one end

Technopolymer
M20 connector

Symmetrical 88° comfort extra wide beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.

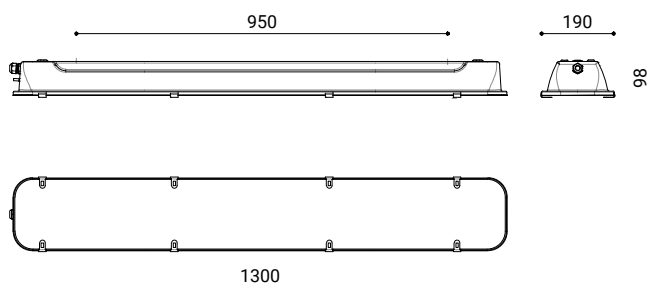
Power supply with quick connector.

The polycarbonate diffuser according to HACCP regulations.

The stated flux and power values may be subject to a +/- 7% tolerance.

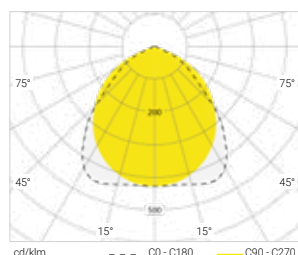
	LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
Stainless steel	96	52	8200	7072	Glass	136	On-off	6,24	821382
	144	63	11000	8631	Glass	137	On-off	6,35	821482
	144	75	12200	9900	Glass	132	On-off	6,20	821582
	96	52	8200	7072	Polycarbonate	136	On-off	4,12	826382
	144	63	11000	8631	Polycarbonate	137	On-off	4,00	826482
	144	75	12200	9900	Polycarbonate	132	On-off	4,00	826582
	96	52	8200	7072	Glass	136	DALI	6,20	821382DA
	144	55	9547	7518	Glass	137	DALI	6,20	821482DA
	144	71	11947	9428	Glass	132	DALI	6,20	821582DA
	96	52	8200	7072	Polycarbonate	136	DALI	4,13	826382DA
	144	55	9547	7518	Polycarbonate	137	DALI	4,00	826482DA
	144	71	11947	9428	Polycarbonate	132	DALI	4,00	826582DA
Stainless steel High efficiency 90,000 h	384	83	16750	13871	Glass	167	On-off	6,30	821782
Painted galvanized steel	96	52	8200	7072	Glass	136	On-off	6,30	841382
	144	63	11000	8631	Glass	137	On-off	6,30	841482
	144	75	12200	9900	Glass	132	On-off	6,30	841582
	96	52	8200	7072	Polycarbonate	136	On-off	4,10	846382
	144	63	11000	8631	Polycarbonate	137	On-off	4,10	846482
	144	75	12200	9900	Polycarbonate	132	On-off	2,41	846582
Painted galvanized steel High efficiency 90,000 h	384	83	16750	13871	Glass	167	On-off	6,30	841782

RINO | 1300 mm

Class
I

IP66

IK09

1 entry on one end
Technopolymer
M20 connector

Symmetrical 88° comfort extra wide beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.

Power supply with quick connector.

The polycarbonate diffuser according to HACCP regulations.

The stated flux and power values may be subject to a +/- 7% tolerance.

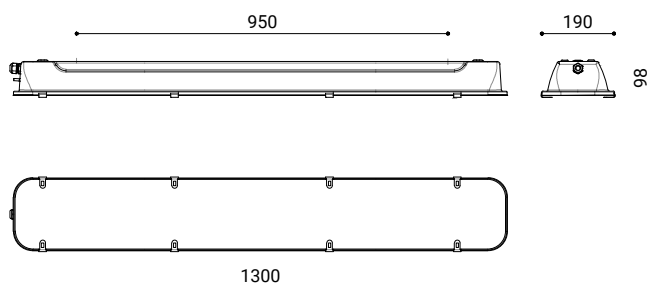
Stainless steel
Emergency

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	52	8200	7072 (940 in EM)	Glass	136	On-off 1h Emergency	6,58	821380
144	63	11000	8631 (940 in EM)	Glass	137	On-off 1h Emergency	6,63	821480
144	75	12200	9900 (940 in EM)	Glass	132	On-off 1h Emergency	6,50	821580
96	52	8200	7072 (940 in EM)	Glass	136	On-off 3h Emergency	6,70	821383
144	63	11000	8631 (940 in EM)	Glass	137	On-off 3h Emergency	6,70	821483
144	75	12200	9900 (940 in EM)	Glass	132	On-off 3h Emergency	6,70	821583
96	52	8200	7072 (940 in EM)	Polycarbonate	136	On-off 1h Emergency	4,30	826380
144	63	11000	8631 (940 in EM)	Polycarbonate	137	On-off 1h Emergency	4,30	826480
144	75	12200	9900 (940 in EM)	Polycarbonate	132	On-off 1h Emergency	4,30	826580
96	52	8200	7072 (940 in EM)	Polycarbonate	136	On-off 3h Emergency	4,50	826383
144	63	11000	8631 (940 in EM)	Polycarbonate	137	On-off 3h Emergency	4,50	826483
144	75	12200	9900 (940 in EM)	Polycarbonate	132	On-off 3h Emergency	4,50	826583

Stainless steel
Very high temperature

96	33	5738	4700	Glass	142	On-off	4,12	821382HT
144	45	7919	6404	Glass	142	On-off	4,12	821482HT
144	54	8830	7600	Glass	141	On-off	4,12	821582HT
96	33	5738	4700	Polycarbonate	142	On-off	4,00	826382HT
144	45	7919	6404	Polycarbonate	142	On-off	4,14	826482HT
144	54	8830	7600	Polycarbonate	141	On-off	4,32	826582HT

RINO | 1300 mm

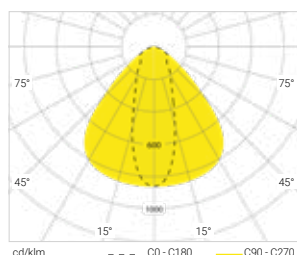
Class
I

IP66

IK09



1 entry on one end

Technopolymer
M20 connector

Symmetrical 30°x 90° narrow beam optics

Included: pair of AISI 304 stainless steel eyebolts for pendant mounting.

Power supply with quick connector.

The polycarbonate diffuser according to HACCP regulations.

The stated flux and power values may be subject to a +/- 7% tolerance.

Stainless steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
96	52	8200	6500	Glass	125	On-off	6,56	820382
144	63	11000	8001	Glass	127	On-off	6,29	820482
144	75	12200	9375	Glass	125	On-off	6,20	820582
96	52	8200	6500	Polycarbonate	125	On-off	3,67	825382
144	63	11000	8001	Polycarbonate	127	On-off	4,00	825482
144	75	12200	9375	Polycarbonate	125	On-off	4,00	825582

Painted galvanized steel



96	52	8200	6500	Glass	125	On-off	6,30	840382
144	63	11000	8001	Glass	127	On-off	6,34	840482
144	75	12200	9375	Glass	125	On-off	6,30	840582
96	52	8200	6500	Polycarbonate	125	On-off	4,10	845382
144	63	11000	8001	Polycarbonate	127	On-off	4,10	845482
144	75	12200	9375	Polycarbonate	125	On-off	4,10	845582

Accessories RINO



RINO LED equipped with a **pair of adjustable supports for wall or ceiling mounting**

Pair of adjustable supports for wall or ceiling mounting



Material:
AISI 304
Stainless steel

Code: **820010**

Pairs of "V" supports for ceiling mounting



Material:
AISI 304
Stainless steel

Code: **820017**

Pairs of hooks for pendant mounting



Material:
AISI 304
Stainless steel

Code: **820011**

Adaptation kit for pendant mounting and ceiling



Material:
AISI 304
Stainless steel

Code: **820018**

Pair of collars for installation on pipe for steel light fixtures



Material:
AISI 304
Stainless steel

Code: **820016**

Quick ceiling mounting fastening Kit



Material:
AISI 304
Stainless steel

Code: **820019**

Notes: in case of relamping, the adaptation kit allows you to adjust the mounting hole spacing of the light fixture to those already present in the system.

3 way through-wiring connector
16A 250/400V IP66/IP68



Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Notes: the power connector consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire.

Retrofit kit for 690 -1300 sizes



Material:
Extra-clear tempered glass

Power (W)	Length (mm)	Nominal flux (lm)	Output flux (lm)	Version	Code
26	690	4100	3562	On - off	821184
52	1300	8200	7072	On - off	821384

Notes: the retrofit kit can only be used in the fluorescent light fixtures of the RINO series.

META150 pendant mounting



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

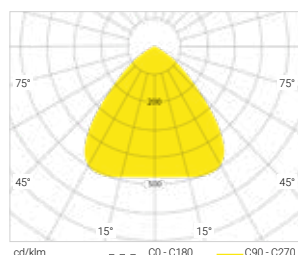
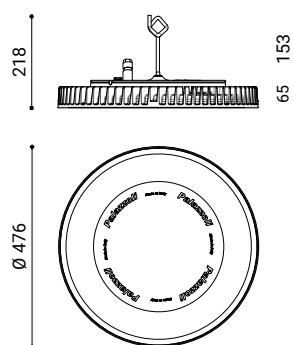
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass or polycarbonate
Protection rating	IP66/IP67 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C4-M / C3-H (ISO 9223)
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-40 °C - +40 °C -40 °C - +50 °C (HE version) -40 °C - +60 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 151 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Glare index	UGR <22
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 110,000h Tq=+40° C L90 B10 @ 230,000h Tq=+25° C
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm

Special versions can be made by combining materials, optics and operating temperatures. Products with radio wave remote control, with insulation class II and colour temperatures from 3000 K to 6500 K can be supplied.

META150 pendant mounting



Symmetrical 90° comfort extra wide beam optics

Included: quick connection for pendant mounting.

Recommended installation height: between 5 m and 8 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
84	117	19600	16349	Glass	140	DALI	8,59	810630DA
112	156	26100	21798	Glass	140	DALI	8,74	810640DA
140	179	30800	25712	Glass	144	DALI	8,94	810650DA
168	215	37000	30883	Glass	144	DALI	9,31	810660DA

High temperature



84	73	12700	10775	Glass	148	DALI	8,59	810430HT
112	97	16900	14317	Glass	148	DALI	8,74	810440HT
140	112	20300	16912	Glass	151	DALI	8,94	810450HT
168	134	24200	20234	Glass	151	DALI	9,31	810460HT

High Efficiency



84	96	16300	13632	Glass	142	DALI	8,59	810430DA
112	129	21900	18318	Glass	142	DALI	8,74	810440DA
140	151	26600	22197	Glass	147	DALI	8,94	810450DA
168	181	31700	26426	Glass	146	DALI	9,31	810460DA

HACCP Food

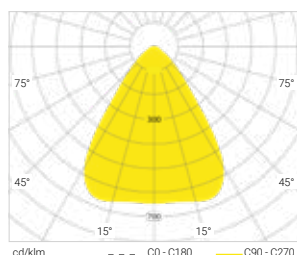
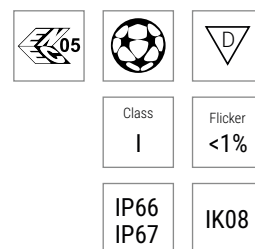


84	117	19600	16349	Polycarbonate	140	DALI	8,59	810432DA
112	156	26100	21798	Polycarbonate	140	DALI	8,74	810442DA
140	179	30800	25712	Polycarbonate	144	DALI	8,94	810452DA
168	215	37000	30883	Polycarbonate	144	DALI	9,31	810462DA

Luminaires designed for operation in centralized emergency lighting systems (Vac/Vdc).

Special versions can be requested with the stand-alone emergency kit page 145.

META150 pendant mounting



Symmetrical 75° medium beam optics

Included: quick connection for pendant mounting.

Recommended installation height: between 6 m and 9 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
84	117	19600	16022	Glass	137	DALI	8,59	810631DA
112	156	26100	21362	Glass	137	DALI	8,74	810641DA
140	179	30800	25193	Glass	141	DALI	8,94	810651DA
168	215	37000	30260	Glass	141	DALI	9,31	810661DA

High temperature



84	73	12700	10600	Glass	145	DALI	8,59	810431HT
112	97	16900	14085	Glass	145	DALI	8,74	810441HT
140	112	20300	16576	Glass	148	DALI	8,94	810451HT
168	134	24200	19832	Glass	148	DALI	9,31	810461HT

High efficiency



84	96	16300	13440	Glass	140	DALI	8,59	810431DA
112	129	21900	18060	Glass	140	DALI	8,74	810441DA
140	151	26600	21895	Glass	145	DALI	8,94	810451DA
168	181	31700	26064	Glass	144	DALI	9,31	810461DA

HACCP Food



84	117	19600	16022	Polycarbonate	137	DALI	8,59	810433DA
112	156	26100	21362	Polycarbonate	137	DALI	8,74	810443DA
140	179	30800	25193	Polycarbonate	141	DALI	8,94	810453DA
168	215	37000	30260	Polycarbonate	141	DALI	9,31	810463DA

Luminaires designed for operation in centralized emergency lighting systems (Vac/Vdc).

Special versions can be requested with the stand-alone emergency kit page 145.

META pendant mounting



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

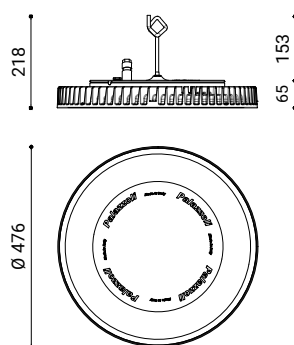
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

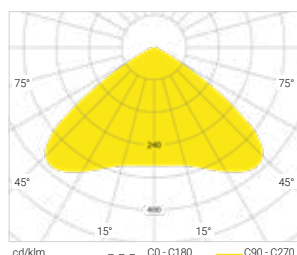
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass or polycarbonate
Protection rating	IP66/IP67 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C4-M / C3-H (ISO 9223)
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-40 °C - +40 °C -40 °C - +55 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 110 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @ 110,000h Tq=+40 °C Tq= +55 °C (HT version)
Emergency battery life	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm

Special versions with radio wave remote control can be requested by combining materials, optics and operating temperatures.

META pendant mounting

Class
IFlicker
<1%IP66
IP67

IK08



Symmetrical 110° extra wide beam optics

Included: quick connection for pendant mounting.

Recommended installation height: between 4 m and 8 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
9	99	13230	10830	Glass	109	Dimmable 1-10V	8,59	810090
12	133	17640	14439	Glass	109	Dimmable 1-10V	8,74	810020
15	168	22050	18049	Glass	107	Dimmable 1-10V	8,94	810050
18	199	26460	21659	Glass	109	Dimmable 1-10V	9,31	810080

Emergency

to be completed
with the kit on page 145

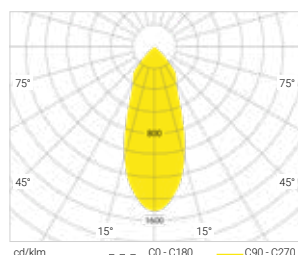
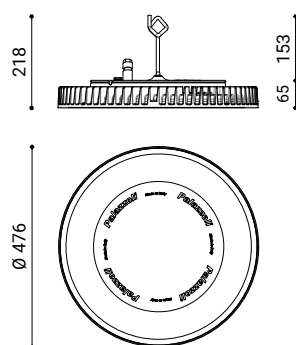
9	99	13230	10830 (770 in EM)	Glass	109	Dimmable 1-10V 1h-3h Emergency	9,24	810190
12	133	17640	14439 (770 in EM)	Glass	109	Dimmable 1-10V 1h-3h Emergency	9,39	810120
15	168	22050	18049 (770 in EM)	Glass	107	Dimmable 1-10V 1h-3h Emergency	0,10	810150
18	199	26460	21659 (770 in EM)	Glass	109	Dimmable 1-10V 1h-3h Emergency	9,96	810180

High temperature



9	76	10187	8339	Glass	110	Dimmable 1-10V	8,59	810090HT
12	102	13583	11118	Glass	109	Dimmable 1-10V	8,74	810020HT
15	128	16979	13898	Glass	108	Dimmable 1-10V	8,94	810050HT
18	153	20374	16677	Glass	109	Dimmable 1-10V	9,31	810080HT

META pendant mounting



Symmetrical 41° narrow beam optics

Included: quick connection for pendant mounting.
Recommended installation height: between 6 m and 9 m.
Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

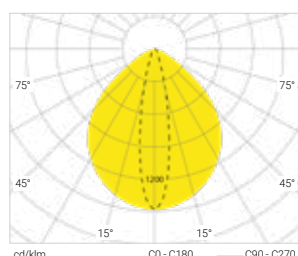


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
9	99	13230	10572	Glass	107	Dimmable 1-10V	8,59	810091
12	133	17640	14096	Glass	106	Dimmable 1-10V	8,74	810021
15	168	22050	17620	Glass	105	Dimmable 1-10V	8,94	810051
18	199	26460	21144	Glass	106	Dimmable 1-10V	9,31	810081

High temperature



9	76	10187	8140	Glass	107	Dimmable 1-10V	8,59	810091HT
12	102	13583	10854	Glass	106	Dimmable 1-10V	8,74	810021HT
15	128	16979	13567	Glass	105	Dimmable 1-10V	8,94	810051HT
18	153	20374	16281	Glass	106	Dimmable 1-10V	9,31	810081HT



Elliptical 92° x 20° beam optics

Included: connection with double chain bracket.
Recommended installation: suitable for installation between the lanes of industrial warehouses.
Power supply with 5P quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
9	99	13230	9965	Glass	101	Dimmable 1-10V	8,59	810092
12	133	17640	13287	Glass	100	Dimmable 1-10V	8,74	810022
15	168	22050	16609	Glass	99	Dimmable 1-10V	8,94	810052
18	199	26460	19931	Glass	100	Dimmable 1-10V	9,31	810082

Accessories META150 e META pendant mounting



META150 equipped with **bracket for ceiling mounting**

Adjustable bracket for wall installation
poles and light towers



Material:
Galvanized steel

Code: **810999**

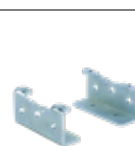
Catenary wire installation bracket
0-90° adjustable



Material:
Galvanized steel

Code: **810994**

Bracket for double chain
and busbar installation



Material:
Galvanized steel

Code: **810997**

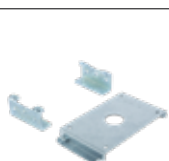
0-90° swivelling attachment
for double chain and busbar installation



Material:
Galvanized steel

Code: **810996**

Bracket for ceiling mounting



Material:
Galvanized steel

Code: **810998**

Bracket for installation with Ø 60 mm pole



Material:
Galvanized steel

Code: **810995**

1h Emergency kit



Material:
Aluminium alloy

Code: **810992**

3h Emergency kit



Material:
Aluminium alloy

Code: **810991**

3 way through-wiring connector
16A 250/400V IP66/IP68



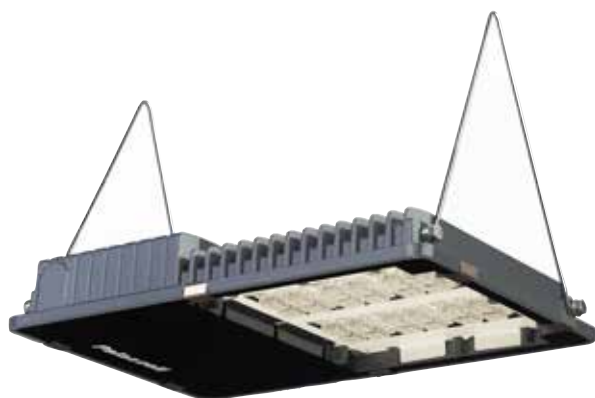
Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Features: 1 M20 entry and 1 exit with connector.
Notes: the interface bracket is designed for double fixed chain connection and quick connection for pendant mounting.
When carrying out post mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the unit (max 1.5 m).

Notes: the power connector consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire.

TIGUA pendant mounting



WARRANTY
UP TO 7 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

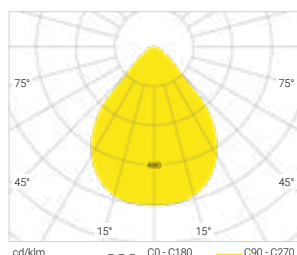
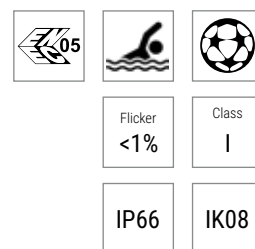
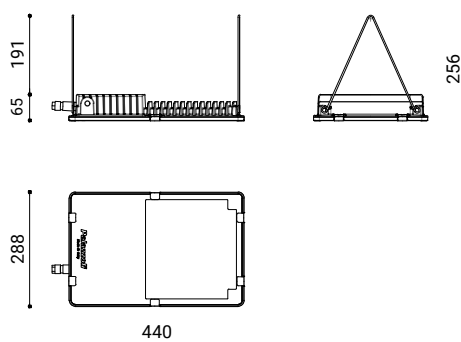
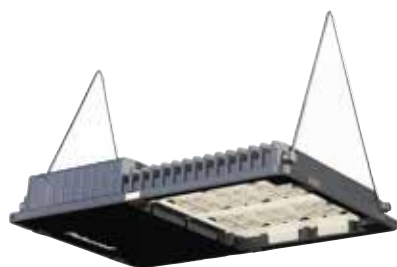
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Die-cast aluminium (aeronautical alloy) EN 44300
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass or polycarbonate
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Pendant mounting
Ambient operating temperature	-40 °C - +40 °C -40 °C - +60 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 122 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @ 120,000h Tq=+40 °C Tq=+60 °C (HT version)
Emergency battery life	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	1,5 mm ²
Entry cable diameter	9 ÷ 12 mm

Special versions can be made by combining materials, optics and operating temperatures. Products with radio wave remote control, with insulation class II and colour temperatures from 3000 K to 6500 K can be supplied.

TIGUA pendant mounting



Symmetrical 81° extra wide beam optics

Included: double chain and busbar attachment.

Recommended installation height: between 4 m and 7 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



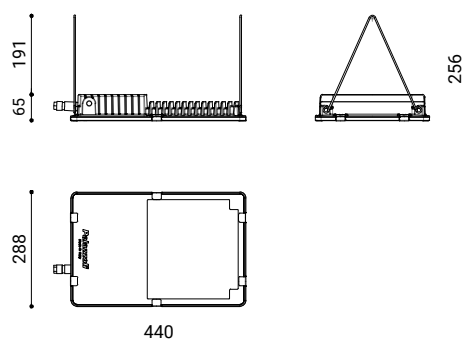
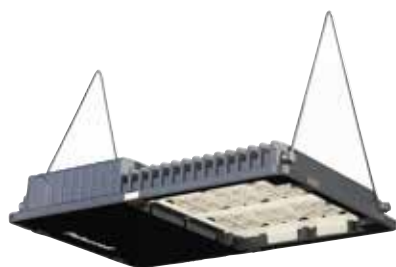
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	99	13875	11944	Glass	121	Dimmable 1-10V	5,86	817312
16	132	18500	15926	Glass	121	Dimmable 1-10V	5,88	817316
20	153	23125	18032	Glass	118	Dimmable 1-10V	6,38	817320
24	182	27750	22100	Glass	121	Dimmable 1-10V	6,50	817324
12	99	13875	11944	Glass	121	DALI	5,78	817312DA
16	132	18500	15926	Glass	121	DALI	5,88	817316DA
20	153	23125	18032	Glass	118	DALI	6,17	817320DA
24	182	27750	22100	Glass	121	DALI	6,44	817324DA

High temperature



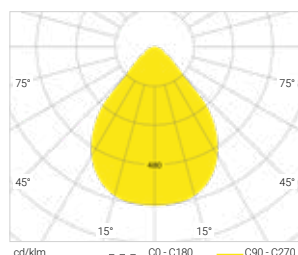
12	74	11575	8593	Glass	116	Dimmable 1-10V	5,86	817312HT
16	94	15434	10990	Glass	117	Dimmable 1-10V	5,88	817316HT
20	112	18135	13292	Glass	119	Dimmable 1-10V	6,38	817320HT
24	133	21761	15746	Glass	118	Dimmable 1-10V	6,73	817324HT

TIGUA pendant mounting

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: double chain and busbar attachment.

Recommended installation height: between 4 m and 7 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.

HACCP Food



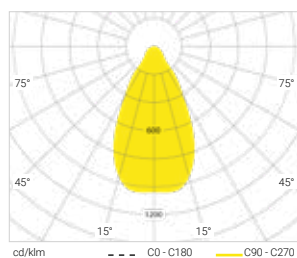
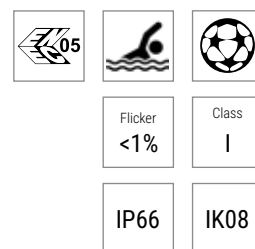
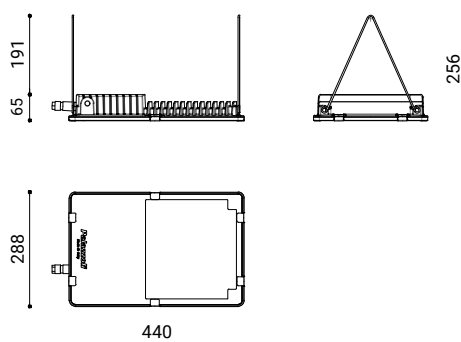
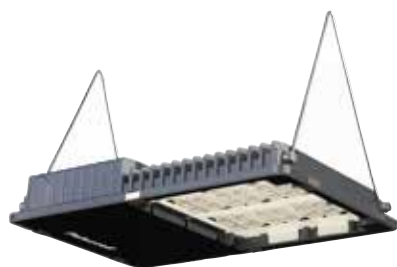
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	99	13875	11944	Polycarbonate	121	Dimmable 1-10V	5,39	817512
16	132	18500	15926	Polycarbonate	121	Dimmable 1-10V	5,88	817516
20	153	23125	18032	Polycarbonate	118	Dimmable 1-10V	5,91	817520
24	182	27750	22100	Polycarbonate	121	Dimmable 1-10V	5,94	817524

Emergency

to be completed with the kit
on page 151

12	99	13875	11944 (995 in EM)	Glass	121	Dimmable 1-10V 1h-3h Emergency	6,16	817313
16	132	18500	15926 (995 in EM)	Glass	121	Dimmable 1-10V 1h-3h Emergency	6,18	817317
20	153	23125	18032 (995 in EM)	Glass	118	Dimmable 1-10V 1h-3h Emergency	6,68	817321
24	182	27750	22100 (995 in EM)	Glass	121	Dimmable 1-10V 1h-3h Emergency	6,73	817325

TIGUA pendant mounting



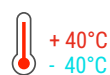
Symmetrical 55° medium beam optics

Included: double chain and busbar attachment.

Recommended installation height: between 5 m and 8 m.

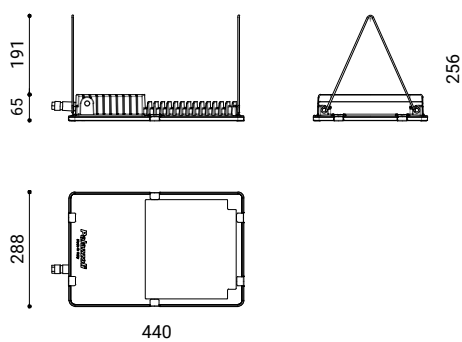
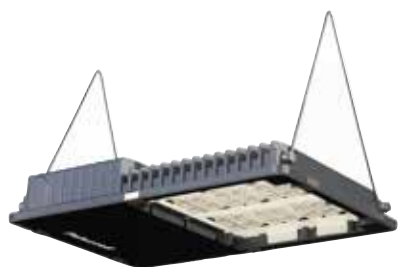
Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



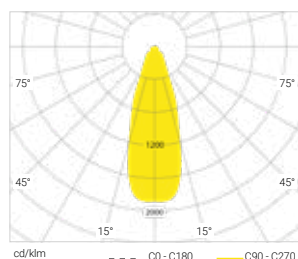
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	99	13875	11218	Glass	113	Dimmable 1-10V	5,86	817362
16	132	18500	14957	Glass	113	Dimmable 1-10V	6,18	817366
20	145	23125	17069	Glass	118	Dimmable 1-10V	6,68	817370
24	170	27750	20208	Glass	119	Dimmable 1-10V	6,73	817374

TIGUA pendant mounting

Flicker
<1%Class
I

IP66

IK08



Symmetrical 36° narrow beam optics

Included: double chain and busbar attachment.

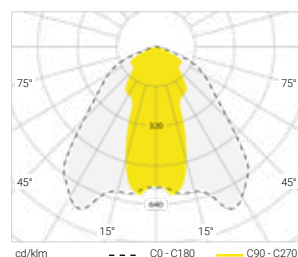
Recommended installation height: over 6 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	99	13875	11123	Glass	112	Dimmable 1-10V	5,81	817412
16	132	18500	14831	Glass	112	Dimmable 1-10V	5,88	817416
20	145	23125	16924	Glass	117	Dimmable 1-10V	6,38	817420
24	170	27750	20034	Glass	118	Dimmable 1-10V	6,73	817424



Elliptical 95° x 41° beam optics

Included: double chain and busbar attachment.

Recommended installation: suitable for installation between the lanes of industrial warehouses.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	99	13875	11444	Glass	116	Dimmable 1-10V	5,86	817462
16	132	18500	15258	Glass	116	Dimmable 1-10V	5,88	817466
20	153	23125	17418	Glass	114	Dimmable 1-10V	6,38	817470
24	182	27750	20627	Glass	113	Dimmable 1-10V	6,73	817474

Accessories TIGUA pendant mounting



TIGUA pendant mounting equipped with **0 - 90° adjustable attachment for double chain and busbar installation**

0 - 90° adjustable attachment for catenary wire installation



Material:
Galvanized steel

Code: **811921**

0 - 90° adjustable attachment for double chain and busbar installation



Material:
Galvanized steel

Code: **811919**

Kit with bracket for ceiling mounting



Material:
Galvanized steel

Code: **811916**

Set of brackets for diam. 60 mm post installation



Material:
Galvanized steel

Code: **811920**

Bracket for wall installation



Material:
Galvanized steel

Code: **811922**

3-way shunt for input-output connection
16A 250/400V IP66/IP68



Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Notes: the power connector consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire.

1h Emergency kit



+ 40°C
0°C



Material:
Aluminium alloy

Code: **811923**

3h Emergency kit



+ 40°C
0°C



Material:
Aluminium alloy

Code: **811924**

Features: 1 M20 entry and 1 exit with connector.

Notes: the interface bracket is designed for double fixed chain connection and quick connection for pendant mounting.

When carrying out post mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the unit (max 1.5 m).

XTIGUA pendant mounting



Body material	Aluminium alloy with low copper content (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Anti-UV non-toxic polyester paint cured in the oven
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Pendant mounting
Ambient operating temperature	-40 °C - +35 °C -40 °C - +55 °C (HT version) -40 °C - +70 °C (VHT version)
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 130 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @ 120,000h Tq=+40 °C L80 B20 @ 120,000h Tq=+55 °C (HT version) L80 B20 @ 100,000h Tq=+70 °C (VHT version)
Insulation class	I
Supply voltage	200-240 V 0/50/60 Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm



WARRANTY
UP TO 7 YEARS



DIRECTIVES

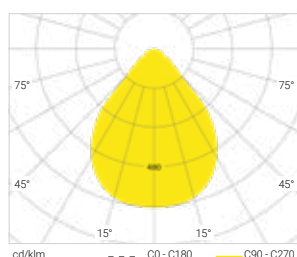
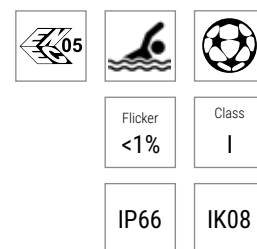
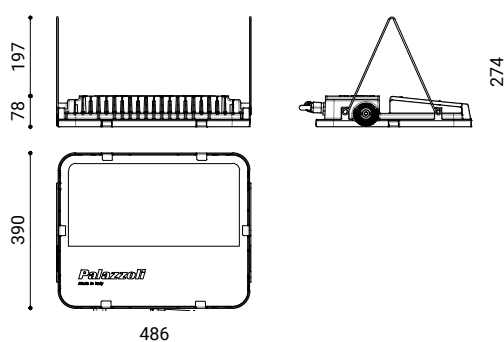
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Special versions can be made by combining materials, optics and operating temperatures. Products with radio wave remote control, with insulation class II and colour temperatures from 3000 K to 6500 K can be supplied.

XTIGUA pendant mounting | M size



Symmetrical 81° extra wide beam optics

Included: double chain and busbar attachment.

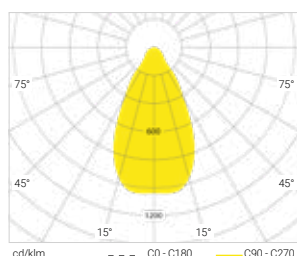
Recommended installation height between 9 m and 15 m.

Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
28	235	33250	28787	Glass	123	DALI	7,50	819328DA
32	270	38000	32940	Glass	122	DALI	7,60	819332DA



Symmetrical 55° medium beam optics

Included: double chain and busbar attachment.

Recommended installation height between 9 m and 15 m.

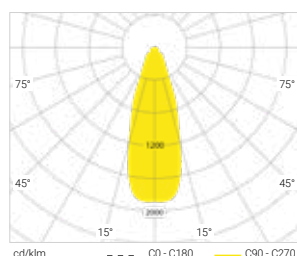
Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.

High temperature



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
28	166	27009	21580	Glass	130	DALI	7,50	819428HT
32	189	30867	24532	Glass	130	DALI	7,60	819432HT



Symmetrical 36° narrow beam optics

Included: double chain and busbar attachment. Recommended installation height between 9 m and 15 m.

Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

The very high temperature versions are equipped with an external driver, already mounted on the suspension and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



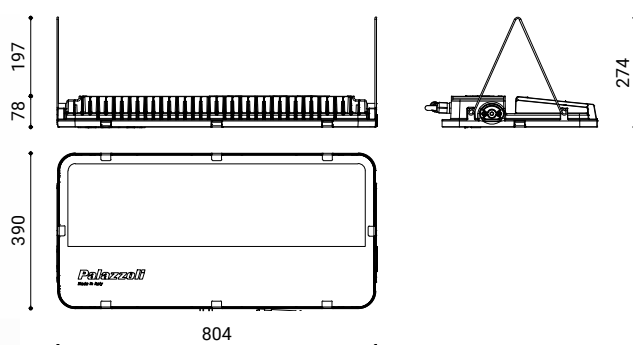
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
28	235	33250	28670	Glass	122	DALI	7,50	819528DA
32	270	38000	32805	Glass	122	DALI	7,60	819532DA

Very high temperature



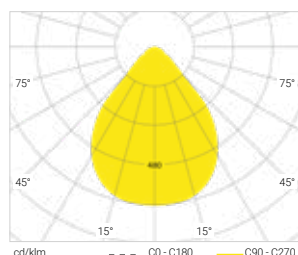
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
28	166	27009	21580	Glass	130	DALI	8,60	819528VHT
32	189	30867	24570	Glass	130	DALI	8,70	819532VHT

XTIGUA pendant mounting | L size

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: double chain and busbar attachment.

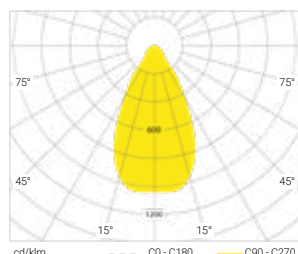
Recommended installation height between 9 m and 15 m.

Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	336	47500	41160	Glass	123	DALI	12,00	819340DA
48	400	57000	48800	Glass	122	DALI	12,10	819348DA



Symmetrical 55° medium beam optics

Included: double chain and busbar attachment.

Recommended installation height between 9 m and 15 m.

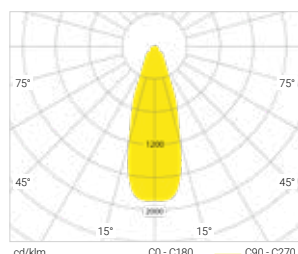
Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

The stated flux and power values may be subject to a +/- 7% tolerance.

High temperature



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	237	38584	30810	Glass	130	DALI	12,00	819440HT
48	284	46301	36579	Glass	129	DALI	12,10	819448HT



Symmetrical 36° narrow beam optics

Included: double chain and busbar attachment. Recommended installation height between 9 m and 15 m.

Power supply with 5Px1.5mm² quick-fit connector and 1.5mm² H07RN-F cable.

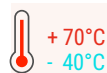
The very high temperature versions are equipped with an external driver, already mounted on the suspension and wired.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	336	47500	40992	Glass	122	DALI	12,00	819540DA
48	400	57000	48600	Glass	122	DALI	12,10	819548DA

Very high temperature



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	237	38584	30810	Glass	130	DALI	14,30	819540VHT
48	284	46301	36920	Glass	130	DALI	14,40	819548VHT

Accessories XTIGUA pendant mounting



XTIGUA pendant mounting provided with **kit including a bracket for ceiling mounting - L size**

0 - 90° adjustable attachment for double chain installation - M size



Material:
Galvanized steel

Code: **819994**

0 - 90° adjustable attachment for double chain installation - L size



Material:
Galvanized steel

Code: **819995**

Wall mounting bracket kit - M size



Material:
Galvanized steel

Code: **819998**

Ceiling mounting bracket kit - M size



Material:
Galvanized steel

Code: **819996**

Ceiling mounting bracket kit - L size



Material:
Galvanized steel

Code: **819997**

Wall mounting bracket kit - L size



Material:
Galvanized steel

Code: **819999**

Note: cannot be used on the VHT 70 °C version.

Note: cannot be used on the VHT 70 °C version.

3-way shunt for input-output connection
16A 250/400V IP66/IP68



Poles: 5
Max section (mm²): 2,5
Clamping diameter (mm): 7-13

Code: **818905**

Notes: the power connector consists of 1 input and 2 outputs and is suitable for making an external input-output connection to the luminaire.

YUMA pendant mounting



Body material	AISI 316L stainless steel
Surface treatment	Natural finishing
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-H (ISO 9223)
Mounting system	Pendant mounting
Ambient operating temperature	-40 °C - +45 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	130 lm/W
Colour temperature	4000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 80 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 110,000h Tq=+45 °C
Insulation class	I
Supply voltage	220-240V 50/60 Hz
Surge protection	10 kV common mode and 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Quick connector
Max. conductor cross-section	2,5 mm ²
Inlet cable diameter	7 ÷ 13 mm



WARRANTY
UP TO 7 YEARS



DIRECTIVES

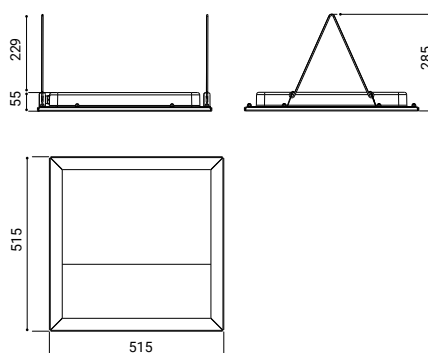
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

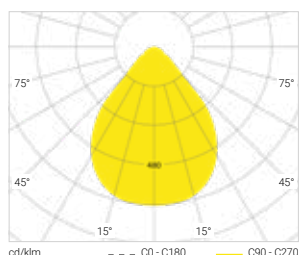
Special versions can be made with colour temperatures ranging from 3000 K to 6500 K.

YUMA pendant mounting | L size

Flicker
<1%Class
I

IP66

IK08



Symmetrical 81° extra wide beam optics

Included: double chain and busbar attachment.

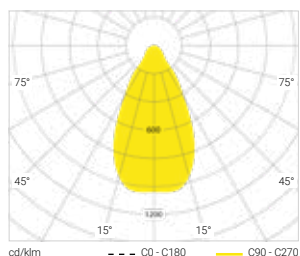
Recommended installation height: between 4 m and 7 m.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Max. ambient temp. (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	DALI	8,50	808350DA
48	196	30576	25480	Glass	130	+40	DALI	8,50	808360DA



Symmetrical 55° medium beam optics

Included: double chain and busbar attachment.

Recommended installation height: between 5 m and 8 m.

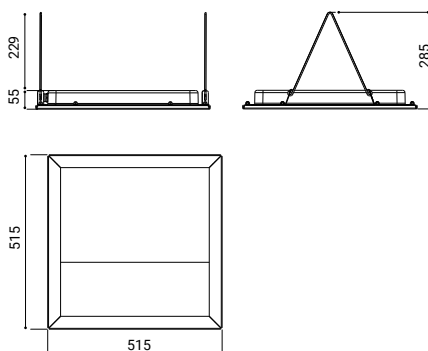
Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



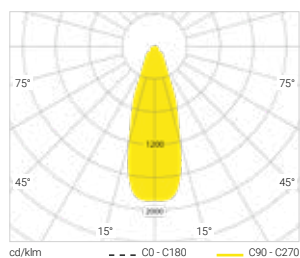
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Max. ambient temp. (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	DALI	8,50	808356DA
48	196	30576	25480	Glass	130	+40	DALI	8,50	808366DA

YUMA pendant mounting | L size

Flicker
<1%Class
I

IP66

IK08

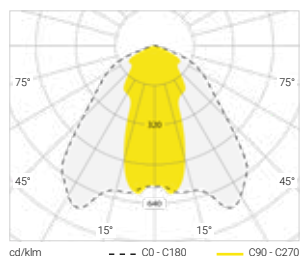


Symmetrical 36° narrow beam optics

Included: double chain and busbar attachment.
Recommended installation height: over 6 m.
Power supply with 5P quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.

+ 45°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Max. ambient temp. (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	DALI	8,50	808351DA
48	196	30576	25480	Glass	130	+40	DALI	8,50	808361DA



Elliptical 95° x 41° beam optics

Included: double chain and busbar attachment.
Recommended installation: suitable for installation between the lanes of industrial warehouses.
Power supply with 5P quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.

+ 45°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Max. ambient temp. (°C)	Version	Weight (Kg)	Code
48	148	23088	19240	Glass	130	+45	DALI	8,50	808358DA
48	196	30576	25480	Glass	130	+40	DALI	8,50	808368DA



Control systems

For dimmable
DALI luminaires



IMPERIUM
DALI wired

Page 160



IMPERIUM
wireless

Page 162

IMPERIUM DALI wired



DALI SENSOR CODE 836001

Addressable DALI sensor for ceiling mounting for large areas	Power supply 110-240V Vac 50/60Hz
Maximum installation altitude	14 m
Protection rating	IP20
Electrical insulation class	II
Adjustment brightness value of dusk sensor	10 – 2000 lux
Absorbed power	1 W
Detection Area	Vertical 360°
Temperature of operation	-25 °C – +50 °C
Casing material	Polycarbonate
Max.no. of controllable luminaires/sensors	40 META light fixtures 40 TIGUA light fixtures 40 XTIGUA M light fixtures 20 XTIGUA L light fixtures 40 RINO light fixtures



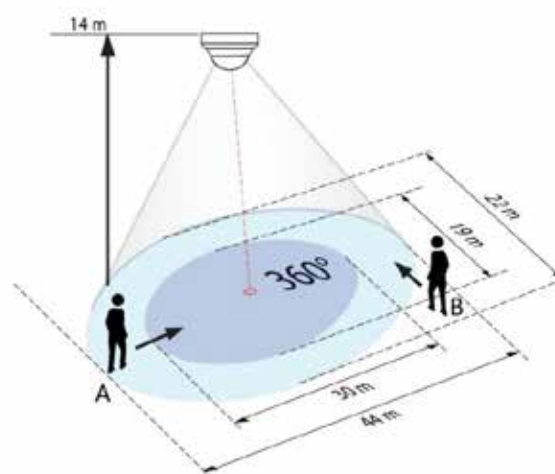
DIRECTIVES

2014/53/EU (RED)
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)

PRODUCT STANDARDS

EN 55022
EN 50491-2
EN 50491-3
EN 50491-5-1
EN 50491-5-2
EN 50491-5-3
EN 61000-3-2
EN 61000-3-3
EN 62386-101
EN 62386-103
EN 63000

DETECTION FIELD



A: frontal approach to the sensor
B: lateral approach to the sensor

Palazzoli is able to provide brightness and presence sensors with reading heights suitable for different application areas and for different protocols.

IMPERIUM DALI wired



DALI brightness and presence sensor

For the adjustment of artificial lighting according to natural light.

	Interface	Max manageable luminaires No.	Weight (Kg)	Colour	Code
Standard	DALI/DSI	40	0,125	White	836001



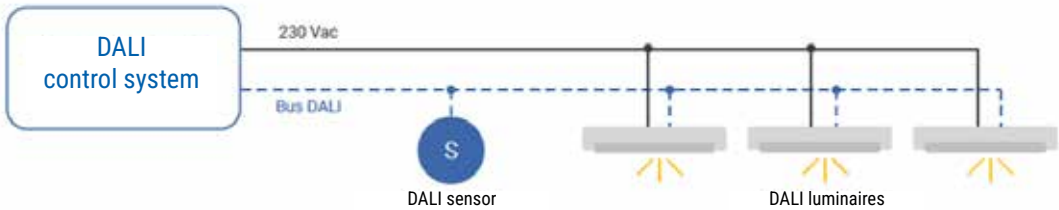
IR remote control

For programming the intervention threshold of the brightness sensors.

	Detector type	Detection	Max distance of reception m	Equipment	Measuring of light	Code
Standard	Movement and natural light	Automatic and semi-automatic	17	Wall support	By test button or auto- matically when the light is for 1 hour less than 50 LUX	836002



SYSTEM ARCHITECTURE



The DALI sensor constantly measures the brightness value in the environment and compares this value with the value set in the presence detector. If the natural light value is sufficient, the artificial lights will not be switched on. If the natural light value is lower than the set value, the sensor turns on the light and adjusts it until it reaches the set light level. The detector automatically turns off the light after 5min. if the natural light present is higher than the set Lux value and/or if no presence is detected after the set delay time.



SIMULTANEOUS DUAL BAND SYSTEM



DIRECTIVES

2014/53/EU (RED)
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)

PRODUCT STANDARDS

EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-11
EN 61547
EN 63000
EN 300 220-2
EN 301 489-1
EN 301 489-3

REMOTE CONTROL NODE



Material	Thermoplastic
Protection rating	IP67
Radio frequency	2,4 GHz - 868 MHz (simultaneous Dual Band)
Optimal communication distance	200 m in Dual Band
No. of manageable drivers	8

REMOTE CONTROL NODE WITH SENSOR



Material	Thermoplastic
Protection rating	IP67
Radio frequency	2,4 GHz - 868 MHz (simultaneous Dual Band)
Optimal communication distance	200 m in Dual Band
No. of manageable drivers	4

INTERFACE FOR DEVICE CONFIGURATION



Material	Thermoplastic
Protection rating	IP67
Radio frequency	2,4 GHz - 868 MHz (simultaneous Dual Band)
Distances of operation from the luminaires	50 m - 2,4 GHz 100 m - 868 MHz from PC/smartphone 10 m
Communication standard	Bluetooth 5.0

Palazzoli is able to provide advice on request for the integration of more complex functions, such as consumption monitoring, access control and implementation in building automation systems and management of situations with obstacles to the transmission of wireless signals.

IMPERIUM Wireless



Remote control node for DALI management

Dual band WSN device for control from one to eight points of light. DALI interface. IEEE 802.15.4 communication at 2.4 GHz and 868 MHz LoRa. Bluetooth 5.0. Power supply 230Vac. 3D accelerometer and relay IP67 outdoor box in thermoplastic material. Including: internal 2.4 GHz and 868 MHz Dual Band patch antenna, wiring and two cable glands.

Radio frequency	Antennas	Power supply	Code
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Standard



2,4 GHz – 868 MHz (simultaneous Dual Band)	Integrated	230 Vac	836201
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Remote control node with motion and brightness sensors

It is a Zhaga D4i certified wireless point-to-point lighting remote control device capable of supporting DALI, DALI-2 and D4i standards. Thanks to the installation of a double PIR (Passive InfraRed) sensor and the Fresnel lens, it is able to capture the radiation in the infrared spectrum radiated by moving bodies and apply the dimming profiles set by the control center or the App.

Radio frequency	Antennas	Power supply	Code
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Standard



2,4 GHz – 868 MHz (simultaneous Dual Band)	Integrated	220Vac/24Vdc	836202
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Interfaces for devices configuration

It performs the function of "radio – radio" or "cable – radio" interface between a mobile device (a laptop, tablet or smartphone) and the mesh network of nodes installed on the light points of a system (city, street, tunnel, sports facility, indoor, etc.).

Radio frequency	Power supply	Code
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Standard

2,4 GHz – 868 MHz (simultaneous Dual Band)	rechargeable battery	836203
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Android App License

For managing the main settings of the remote control system: lamp control, node status, CAM, group creation, definition of hourly rules and dimming profile. Used to configure remote-controlled luminaires.

Code

836204SER

SYSTEM ARCHITECTURE





Traditional

Steel plants

Sports facilities and large areas

Food industries

Chemical agents

High temperatures

Low temperatures



RINO
E27, G23

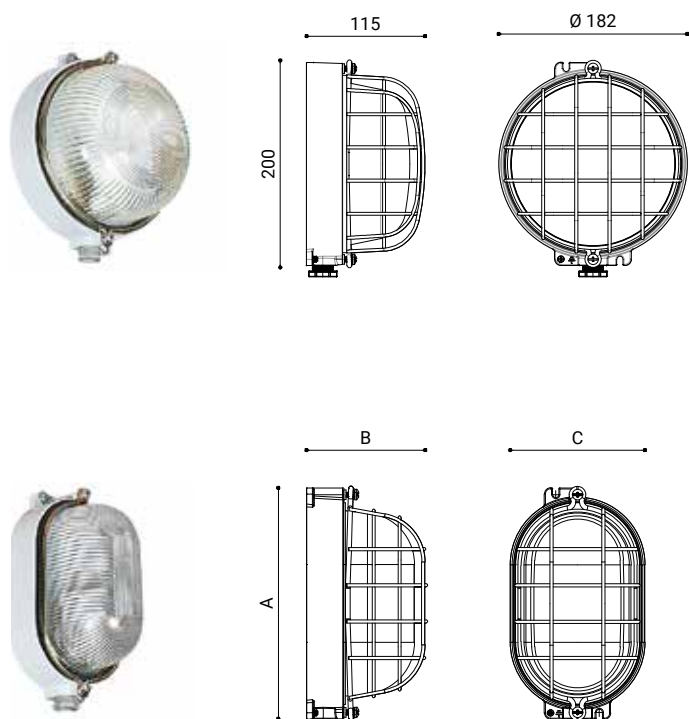
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RINO
E27

Page 169

RINO light fixtures E27, G23



Size	A (mm)	B (mm)	C (mm)
S	199	119	112
M	226	122	130
L	295	142	170

Body material	Aluminium alloy EN 46100
Surface Treatment	Fluorozirconate passivation
Surface finish	Polymerized non-toxic polyester paint
Colour	RAL 7035
Diffuser material	Tempered prismatic glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK07 as per IEC/EN 62262
Mounting system	Prepared for wall installation
Ambient operating temperature	-40 °C - +70 °C
Ambient storage temperature	-50 °C - +80 °C
Lamp holder type	E27 type in porcelain and G23 type in technopolymer
Insulation class	I
Supply voltage	230V 0/50/60 Hz
Type of power supply	Cable gland M20
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm



DIRECTIVES

2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 60598-1
EN 60598-2-1
EN 63000

RINO light fixtures E27, G23 | Oval



Class

I

IP66

IK07

	Size	Dimensions (mm)	Lamp holder type	Inputs No.	Weight (Kg)	Code
Aluminium alloy	S	199 x 112	E27	1	0,80	831071
	S	199 x 112	E27	2	0,78	831091
	M	226 x 130	E27	1	1,58	831171
	M	226 x 130	E27	2	1,41	831191
	L	295 x 170	E27	1	1,95	831271
	L	295 x 170	E27	2	1,81	831291
	L	295 x 170	G23	1	2,18	831914
With steel protective cage	S	199 x 112	E27	1	0,85	831072
	S	199 x 112	E27	2	0,83	831092
	M	226 x 130	E27	1	1,75	831172
	M	226 x 130	E27	2	1,95	831192
	L	295 x 170	E27	1	1,95	831272
	L	295 x 170	E27	2	1,91	831292
	L	295 x 170	G23	1	2,28	831934
With cast cage	S	199 x 112	E27	1	0,87	831075
	S	199 x 112	E27	2	0,87	831095
	M	226 x 130	E27	1	1,11	831175
	M	226 x 130	E27	2	1,12	831195
	L	295 x 170	E27	1	2,35	831275
	L	295 x 170	E27	2	2,00	831295
	L	295 x 170	G23	1	2,33	831954

RINO light fixtures E27, G23 | Round

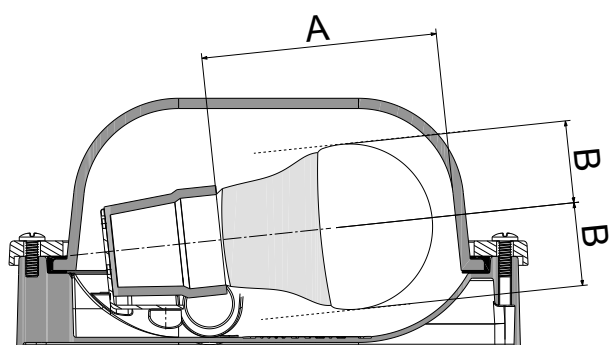
Class
I

IP66

IK07

	Dimensions (mm)	Lamp holder type	Inputs No.	Weight (Kg)	Code
Aluminium alloy	200 x 182	E27	1	0,98	830071
With steel cage	200 x 182	E27	1	1,23	830072

MATCHING LIGHT FIXTURES / BULB	Size	LED (W)	Nominal flux (lm)	
			Warm White 3000K	Neutral White 4000K
	S	8,7	630	640
	M	8,7	940	960
	L	13	1200	1250
	Round	17	1530	1590



	Size	A	B
	S	90	38
	M	110	40
	L	168	43
	Round	90	38

Accessories RINO E27, G23 | Oval and round

Swann type bayonet lamp holder

Material:
BrassCode: **859412**

RINO cylindrical lamp covers E27



E27

Class
I

IP66

IK07



	Inputs No.	Type of installation (mm)	Weight (Kg)	Code
Thermosetting	1	portable	0,97	814052



	Inputs No.	Type of installation (mm)	Weight (Kg)	Code
Aluminium alloy	1	ceiling	0,38	810060
	1	pendant mounting	0,36	812060
	1	90° wall mounting	0,39	811060

Notes: the body codes must be completed with a diffuser of your choice and other accessories among those in the section below.

Accessories RINO lights

Junction box for ceiling mounting Ø 62 mm

	Material	Code
	Aluminium alloy	812988

Protective cage

	Material	Code
	Tropicalized galvanized steel wire	819020

Transparent diffuser

	Material	Colour	Code
	Smooth glass	Transparent	850060

Protective cage

	Material	Code
	Stainless steel wire	819022

Coloured diffusers

	Material	Colour	Code
	Polycarbonate	Transparent	819015
		Yellow	819017
		Red	819018
		Green	819019

Reflector

	Material	Code
	Painted galvanized steel	819030

Swann type bayonet lamp holder with fins

	Material	Type	Code
	Brass	B22d 4A 250C	859400