



Infrastructure

Excellent lighting performance, high mechanical standards and product reliability are the basis of the success of Palazzoli's lighting solutions for roads and tunnels. Thanks to the wide variety of optical solutions developed, which allow for maximum versatility and customised solutions, the company can meet any need, whatever the road cross-sections or installation heights of roads and motorways, roundabouts, junctions and car parks.

The use of the latest LED technology gives the system economic and technical advantages.



Roads

Motorways

Tunnels



FLIGHT page 220



FIT 55 page 232



FLIGHT page 220



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FLIGHT-T54 page 256



TIGUA-T54 page 260



FIT URBAN page 245



XTIGUA-T54 page 262



RINO-T54 page 266



XRINO-T54 page 268



Roundabouts

Cycle paths

Squares and car parks



FLIGHT page 220



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FLIGHT page 220



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FIT URBAN page 245



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Road

Roads

Motorways

Roundabouts

Cycle paths

Squares and car parks



FLIGHT

from 2272 lm to 30110 lm
Page 220



FIT 55

from 2822 lm to 29916 lm
Page 232



FIT URBAN

from 2500 lm to 17787 lm
Page 245

FLIGHT



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)

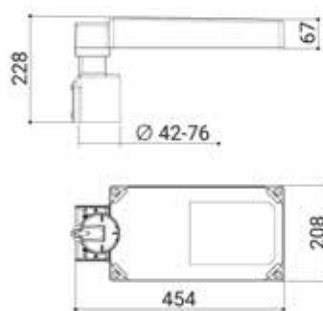
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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 (EN44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK09 as per IEC 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Pole mount 42÷76 mm Head pole - 5°÷ +20° Arm -20°÷+5°
Ambient operating temperature	-40 °C - +45 °C -40 °C - +55 °C (HT version)
Ambient storage temperature	-40°C - +70°C
Wind-exposed surface	S size side 0,03 m² - front 0,13 m² M size side 0,04 m² - front 0,18 m²
Actual efficacy of the device	Up to 165 lm/W
Colour temperature	4000 K - 3000 K
Optics features	High efficiency reflector in aluminium 99.9% 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 @ 90,000 h Tq=+55 °C (HT version) L80 B10 @ 150,000 h Tq=+25 °C
Insulation class	II
Supply voltage	200-240V 50-60Hz
Surge protection	10 kV common mode and differential mode as per EN61000-4-5
Power factor	>0,95
Type of power supply	2x1 mm² H05RN-F cable length 70 cm with 2Px2,5 mm² connector
Max. conductor cross-section	2,5 mm²
Entry cable diameter	7÷13 mm

Special versions with virtual midnight, NEMA and ZHAGA sockets can be made.

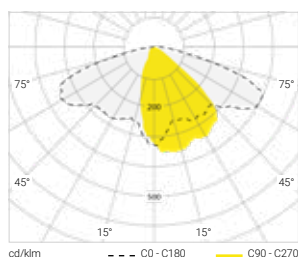
FLIGHT | S size

Flicker
<1%Class
II

IP66

IK09

FOS



STR-ST roadway narrow beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

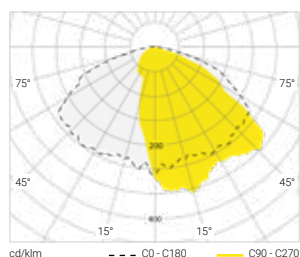
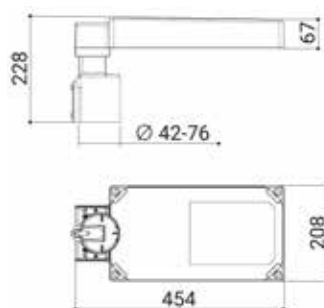
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

Aluminium reflector. FOS on page 62.

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
4000 K 	14	14	2726	2272	Glass	162	On-off	5,00	804131
	14	38	6790	5658	Glass	149	On-off	5,00	804191
	28	28	5520	4600	Glass	165	On-off	5,00	804231
	28	53	9786	8155	Glass	154	On-off	5,00	804271
	28	66	12044	10037	Glass	152	On-off	5,00	804281
High temperature 4000 K 	28	29	5753	4794	Glass	165	On-off	4,50	804211HT
	28	38	7315	6096	Glass	161	On-off	4,50	804221HT
	28	45	8446	7038	Glass	155	On-off	4,50	804231HT
	28	55	10196	8497	Glass	153	On-off	4,50	804241HT
3000 K 	14	38	6427	5356	Glass	141	On-off	5,00	803191
	28	53	9781	8151	Glass	154	On-off	5,00	803271
	28	66	11178	9315	Glass	141	On-off	5,00	803281

FLIGHT | S size



STR-AM roadway wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

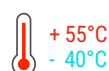
Aluminium reflector. FOS on page 62.

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

4000 K



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	14	2726	2272	Glass	162	On-off	5,00	804130
14	38	6790	5658	Glass	149	On-off	5,00	804190
28	28	5520	4600	Glass	165	On-off	5,00	804230
28	53	9786	8155	Glass	154	On-off	5,00	804270
28	66	12044	10037	Glass	152	On-off	5,00	804280

High temperature
4000 K

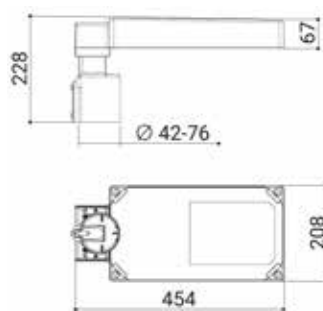
28	29	5753	4794	Glass	165	On-off	4,50	804210HT
28	38	7315	6096	Glass	161	On-off	4,50	804220HT
28	45	8446	7038	Glass	155	On-off	4,50	804230HT
28	55	10196	8497	Glass	153	On-off	4,50	804240HT

3000 K



14	38	6427	5356	Glass	141	On-off	5,00	803190
28	53	9781	8151	Glass	154	On-off	5,00	803270
28	66	11178	9315	Glass	141	On-off	5,00	803280

FLIGHT | S size

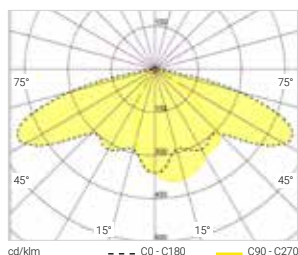
Flicker
<1%Class
II

IP66

IK09

FOS

FOS



Cycle lane beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

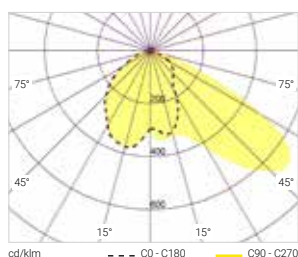
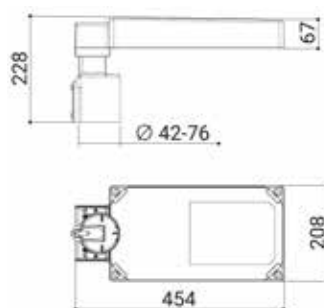
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

Aluminium reflector. FOS on page 62.

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
4000 K 	14	16	2854	2378	Glass	149	On-off	5,00	804142
	28	28	6022	4600	Glass	164	On-off	5,00	804242
3000 K 	14	16	2795	2329	Glass	146	On-off	5,00	803142
	28	28	5904	4300	Glass	154	On-off	5,00	803242

FLIGHT | S size



Left crosswalks beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

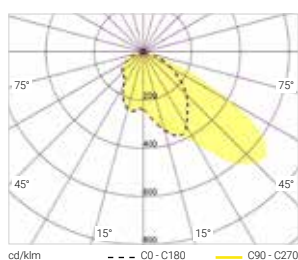
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

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
4000 K	20	29	5150	4292	Glass	148	On-off	5,00	804113
 +45°C -40°C	20	58	9744	8120	Glass	140	On-off	5,00	804123

3000 K	20	58	8700	7250	Glass	125	On-off	5,00	803123
 +45°C -40°C									



Right crosswalks beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

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
4000 K	20	29	5150	4292	Glass	148	On-off	5,00	804114
 +45°C -40°C	20	58	9744	8120	Glass	140	On-off	5,00	804124

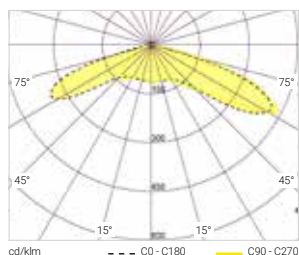
3000 K	20	58	8700	7250	Glass	125	On-off	5,00	803124
 +45°C -40°C									

FLIGHT | S size

Flicker
<1%Class
II

IP66

IK09



Roadway 45° wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

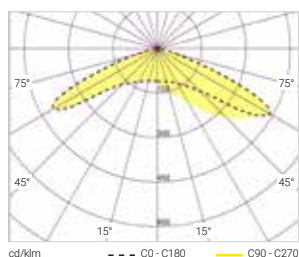
PMMA lenses.

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
4000 K	20	29	5150	4292	Glass	148	On-off	5,00	804115
	20	58	9744	8120	Glass	140	On-off	5,00	804125



3000 K	20	58	8700	7250	Glass	125	On-off	5,00	803125
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Roadway 60° wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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



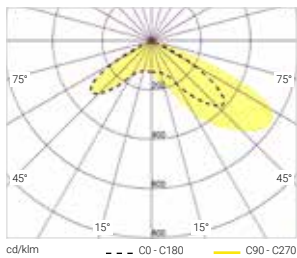
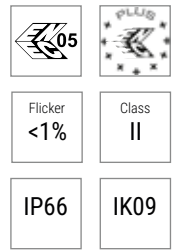
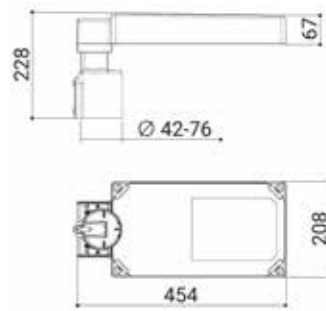
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code	
4000 K	20	29	5150	4292	Glass	148	On-off	5,00	804116
 +45°C	20	58	9744	8120	Glass	140	On-off	5,00	804126



3000 K	20	58	8700	7250	Glass	125	On-off	5,00	803126
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FLIGHT | S size

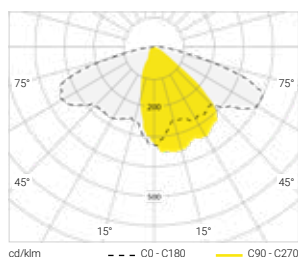
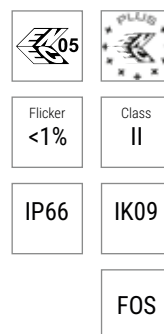
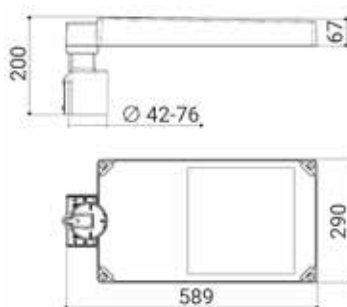


Large areas 60° extra wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
PMMA lenses.
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
4000 K 	20	29	5150	4292	Glass	148	On-off	5,00	804117
	20	58	9744	8120	Glass	140	On-off	5,00	804127
3000 K 	20	58	8700	7250	Glass	125	On-off	5,00	803127

FLIGHT | M size



STR-ST roadway narrow beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

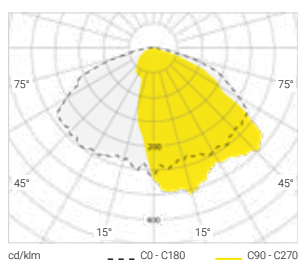
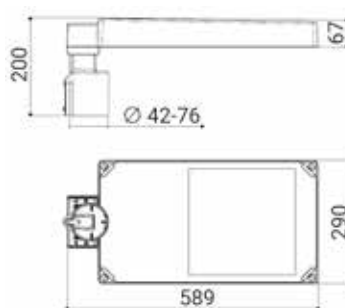
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

Aluminium reflector. FOS on page 62.

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
4000 K 	42	86	16118	13432	Glass	156	On-off	7,50	804371
	42	113	20776	17313	Glass	153	On-off	7,50	804391
	56	151	27702	23085	Glass	153	On-off	7,50	804491
	70	164	30110	25092	Glass	153	On-off	7,50	804581
	84	197	36132	30110	Glass	153	On-off	7,50	804681
High temperature 4000 K 	56	65	13000	10900	Glass	166	On-off	7,50	804411HT
	56	72	14400	12000	Glass	166	On-off	7,50	804421HT
	56	91	17100	14300	Glass	157	On-off	7,50	804431HT
	84	93	18600	15500	Glass	165	On-off	7,50	804611HT
	84	113	22300	18500	Glass	164	On-off	7,50	804621HT
	84	136	25200	21000	Glass	154	On-off	7,50	804631HT
3000 K 	42	86	15292	12743	Glass	148	On-off	7,50	803371
	42	113	19283	16069	Glass	142	On-off	7,50	803391
	56	151	25710	21425	Glass	142	On-off	7,50	803491
	70	164	27946	23288	Glass	142	On-off	7,50	803581
	84	197	33535	27946	Glass	142	On-off	7,50	803681

FLIGHT | M size



STR-AM roadway wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

Aluminium reflector. FOS on page 62.

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

4000 K

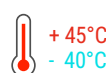


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
42	86	16118	13432	Glass	156	On-off	7,50	804370
42	113	20776	17313	Glass	153	On-off	7,50	804390
56	151	27702	23085	Glass	153	On-off	7,50	804490
70	164	30110	25092	Glass	153	On-off	7,50	804580
84	197	36132	30110	Glass	153	On-off	7,50	804680

High temperature
4000 K

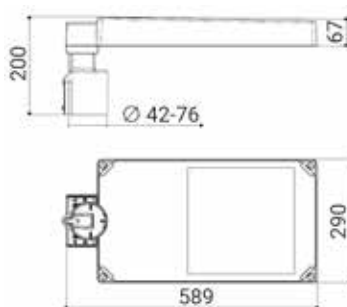
56	65	13000	10900	Glass	166	On-off	7,50	804410HT
56	72	14400	12000	Glass	166	On-off	7,50	804420HT
56	91	17100	14300	Glass	157	On-off	7,50	804430HT
42	93	18600	15500	Glass	165	On-off	7,50	804610HT
42	113	22300	18500	Glass	164	On-off	7,50	804620HT
42	136	25200	21000	Glass	154	On-off	7,50	804630HT

3000 K



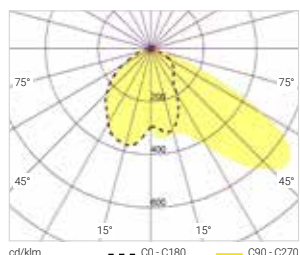
42	86	15292	12743	Glass	148	On-off	7,50	803370
42	113	19283	16069	Glass	142	On-off	7,50	803390
56	151	25710	21425	Glass	142	On-off	7,50	803490
70	164	27946	23288	Glass	142	On-off	7,50	803580
84	197	33535	27946	Glass	142	On-off	7,50	803680

FLIGHT | M size

Flicker
<1%Class
II

IP66

IK09



Left crosswalks beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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

4000 K

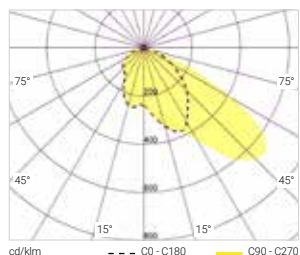


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	82	14742	12285	Glass	150	On-off	7,50	804173
80	117	21341	17784	Glass	152	On-off	7,50	804253
80	164	29484	24570	Glass	150	On-off	7,50	804273

3000 K



40	82	14054	11712	Glass	143	On-off	7,50	803173
80	117	20358	16965	Glass	145	On-off	7,50	803253
80	164	28108	23423	Glass	143	On-off	7,50	803273



Right crosswalks beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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

4000 K



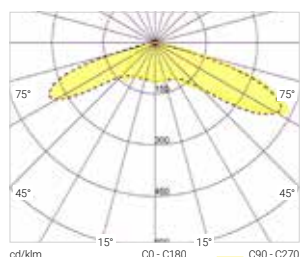
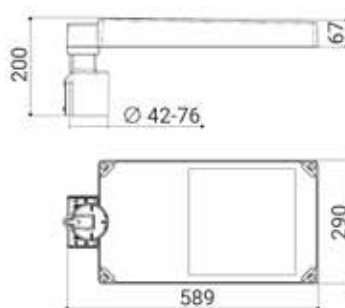
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	82	14742	12285	Glass	150	On-off	7,50	804174
80	117	21341	17784	Glass	152	On-off	7,50	804254
80	164	29484	24570	Glass	150	On-off	7,50	804274

3000 K



40	82	14054	11712	Glass	143	On-off	7,50	803174
80	117	20358	16965	Glass	145	On-off	7,50	803254
80	164	28108	23423	Glass	143	On-off	7,50	803274

FLIGHT | M size



Roadway 45° wide beam optics

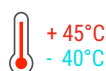
Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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

4000 K

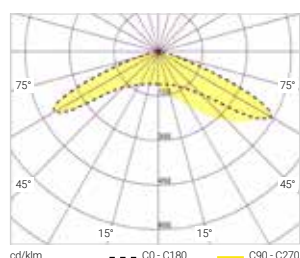


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
40	82	14742	12285	Glass	150	On-off	7,50	804175
80	117	21341	17784	Glass	152	On-off	7,50	804255
80	164	29484	24570	Glass	150	On-off	7,50	804275

3000 K



40	82	14054	11712	Glass	143	On-off	7,50	803175
80	117	20358	16965	Glass	145	On-off	7,50	803255
80	164	28108	23423	Glass	143	On-off	7,50	803275



Roadway 60° wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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

4000 K



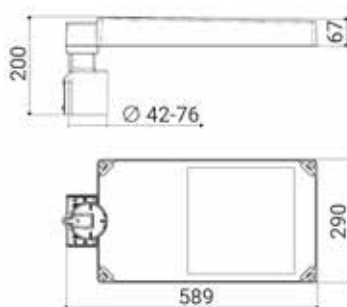
40	82	14742	12285	Glass	150	On-off	7,50	804176
80	117	21341	17784	Glass	152	On-off	7,50	804256
80	164	29484	24570	Glass	150	On-off	7,50	804276

3000 K



40	82	14054	11712	Glass	143	On-off	7,50	803176
80	117	20358	16965	Glass	145	On-off	7,50	803256
80	164	28108	23423	Glass	143	On-off	7,50	803276

FLIGHT | M size



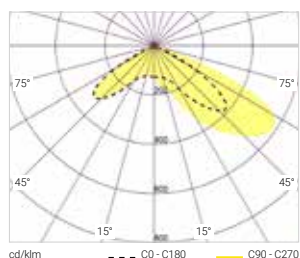
Flicker
<1%

IP66



Class
II

IK09



Large areas 60° extra wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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
4000 K 	40	82	14742	12285	Glass	150	On-off	7,50	804177
	80	117	22464	18720	Glass	160	On-off	7,50	804257
	80	164	31056	25880	Glass	158	On-off	7,50	804277
3000 K 	40	82	14054	11712	Glass	143	On-off	7,50	803177
	80	117	21341	17784	Glass	152	On-off	7,50	803257
	80	164	29484	24570	Glass	150	On-off	7,50	803277

Accessories FLIGHT

Single arm



Material:
Painted galvanized steel

Code: **834901**

Double arm



Material:
Painted galvanized steel

Code: **834902**

Wall Mounting Bracket



Material:
Painted galvanized steel

Code: **834903**

FIT 55



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)

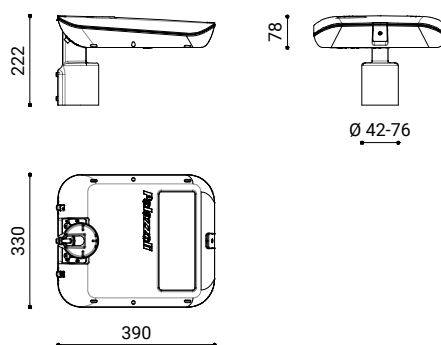
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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 (EN46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Pole mount 42÷76 mm Head pole - 5°÷ +20° Arm -20°÷+5°
Ambient operating temperature	-40 °C - +40 °C -40 °C - +55 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Wind-exposed surface	S size side 0,03 m² - front 0,13 m² M size side 0,04 m² - front 0,18 m²
Actual efficacy of the device	Up to 166 lm/W
Colour temperature	4000 K - 3000 K
Optics features	High efficiency reflector in aluminium 99.9%
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 @ 90,000 h Tq=+55 °C (HT version) L80 B10 @ 150,000 h Tq=+25 °C
Insulation class	II - I
Supply voltage	200-240V 50-60Hz
Surge protection	10 kV common mode and 6 kV differential mode as per EN61000-4-5
Power factor	>0,95
Type of power supply	Cable gland M20 with internal disconnect for connection
Max. conductor cross-section	2,5 mm²
Entry cable diameter	7÷13 mm

Special versions can be made by combining the optics, power supplies and colour temperatures. Versions with NEMA, ZHAGA socket and CRI 80 are also available.

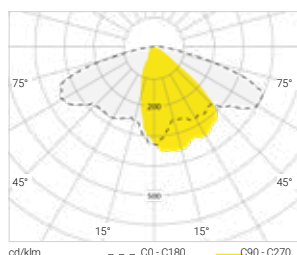
FIT 55 | S size

Flicker
<1%

IP66

IK08

FOS



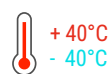
STR-ST roadway narrow beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening.

Aluminium reflector. FOS on page 70.

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

4000 K
Class II



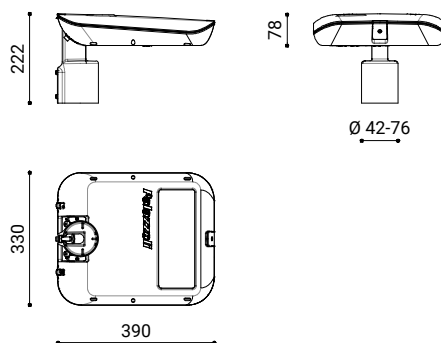
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	17	3386	2822	Glass	166	Virtual midnight	4,50	834111MV
14	34	5983	4986	Glass	147	Virtual midnight	4,50	834121MV
14	54	8693	7244	Glass	134	Virtual midnight	4,50	834131MV
14	17	3386	2822	Glass	166	On-off	4,50	834111
14	34	5983	4986	Glass	147	On-off	4,50	834121
14	54	8693	7244	Glass	134	On-off	4,50	834131
28	37	6906	5755	Glass	156	Virtual midnight	5,00	834211MV
28	69	11966	9972	Glass	145	Virtual midnight	5,00	834221MV
28	86	14520	12100	Glass	141	Virtual midnight	5,00	834231MV
28	37	6906	5755	Glass	156	On-off	5,00	834211
28	69	11966	9972	Glass	145	On-off	5,00	834221
28	86	14520	12100	Glass	141	On-off	5,00	834231

High temperature
4000 K
Class II



28	29	5753	4794	Glass	165	Virtual midnight	4,50	834211HT
28	38	7315	6096	Glass	161	Virtual midnight	4,50	834221HT
28	46	8446	7038	Glass	155	Virtual midnight	4,50	834231HT
28	56	10196	8497	Glass	153	Virtual midnight	4,50	834241HT

FIT 55 | S size

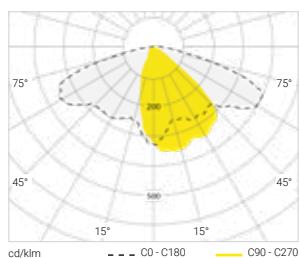


Flicker
<1%

IP66

IK08

FOS



STR-ST roadway narrow beam optics

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Aluminium reflector. FOS on page 70.

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

4000 K Class I



+ 40°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
14	17	3386	2822	Glass	166	Virtual midnight	4,50	854111MV
14	35	5983	4986	Glass	142	Virtual midnight	4,50	854121MV
14	54	8693	7244	Glass	134	Virtual midnight	4,50	854131MV
28	37	6906	5755	Glass	156	Virtual midnight	5,00	854211MV
28	69	11966	9972	Glass	145	Virtual midnight	5,00	854221MV
28	86	14520	12100	Glass	141	Virtual midnight	5,00	854231MV

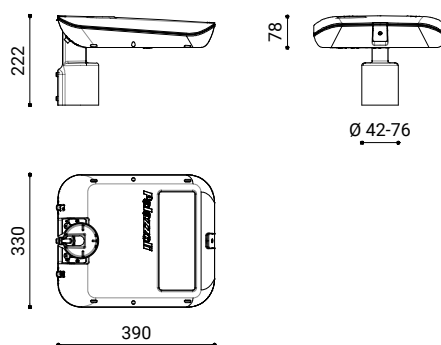
3000 K Class II



+ 40°C
- 40°C

14	34	5342	4452	Glass	131	Virtual midnight	4,50	833121MV
14	54	7764	6470	Glass	122	Virtual midnight	4,50	833131MV
28	69	11248	9373	Glass	136	Virtual midnight	5,00	833221MV
28	86	13644	11370	Glass	132	Virtual midnight	5,00	833231MV

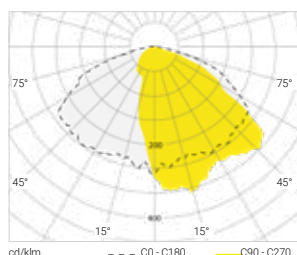
FIT 55 | S size

Flicker
<1%

IP66

IK08

FOS



STR-AM roadway wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening. Aluminium reflector. FOS on page 70.

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

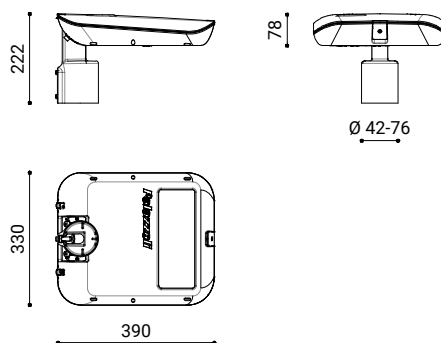
4000 K
Class II

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	17	3386	2822	Glass	166	Virtual midnight	4,50	834110MV
14	34	5983	4986	Glass	147	Virtual midnight	4,50	834120MV
14	54	8693	7244	Glass	134	Virtual midnight	4,50	834130MV
14	17	3386	2822	Glass	166	On-off	4,50	834110
14	34	5983	4986	Glass	147	On-off	4,50	834120
14	54	8693	7244	Glass	134	On-off	4,50	834130
28	37	6906	5755	Glass	156	Virtual midnight	5,00	834210MV
28	69	11966	9972	Glass	145	Virtual midnight	5,00	834220MV
28	86	14520	12100	Glass	141	Virtual midnight	5,00	834230MV
28	37	6906	5755	Glass	156	On-off	5,00	834210
28	69	11966	9972	Glass	145	On-off	5,00	834220
28	86	14520	12100	Glass	141	On-off	5,00	834230

High temperature
4000 K
Class II

28	29	5753	4794	Glass	165	Virtual midnight	4,50	834210HT
28	38	7315	6096	Glass	161	Virtual midnight	4,50	834220HT
28	46	8446	7038	Glass	155	Virtual midnight	4,50	834230HT
28	56	10196	8497	Glass	153	Virtual midnight	4,50	834240HT

FIT 55 | S size

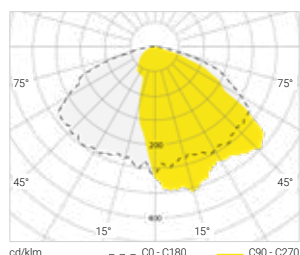


Flicker
<1%

IP66

IK08

FOS



STR-AM roadway wide beam optics

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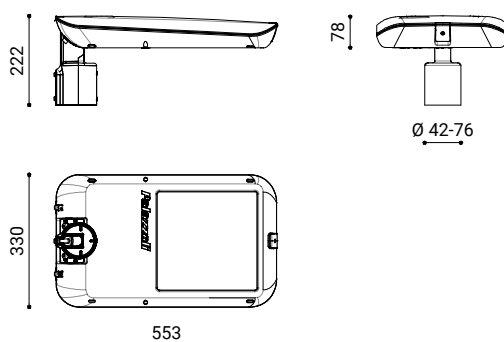
4000 K
Class I

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	17	3386	2822	Glass	166	Virtual midnight	4,50	854110MV
14	34	5983	4986	Glass	147	Virtual midnight	4,50	854120MV
14	54	8693	7244	Glass	134	Virtual midnight	4,50	854130MV
28	37	6906	5755	Glass	156	Virtual midnight	5,00	854210MV
28	69	11966	9972	Glass	145	Virtual midnight	5,00	854220MV
28	86	14520	12100	Glass	141	Virtual midnight	5,00	854230MV

3000 K
Class II

14	34	5342	4452	Glass	131	Virtual midnight	4,50	833120MV
14	54	7764	6470	Glass	122	Virtual midnight	4,50	833130MV
28	69	11248	9373	Glass	136	Virtual midnight	5,00	833220MV
28	86	13644	11370	Glass	132	Virtual midnight	5,00	833230MV

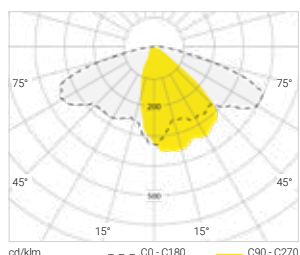
FIT 55 | M size

Flicker
<1%

IP66

IK08

FOS



STR-ST roadway narrow beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening. Aluminium reflector. FOS on page 70.

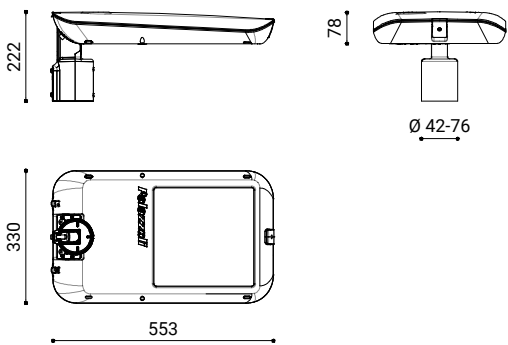
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K
Class II



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
42	54	10160	8467	Glass	157	Virtual midnight	7,50	834311MV
42	104	17950	14958	Glass	144	Virtual midnight	7,50	834321MV
42	145	24060	20050	Glass	138	Virtual midnight	7,50	834331MV
42	54	10160	8467	Glass	157	On-off	7,50	834311
42	104	17950	14958	Glass	144	On-off	7,50	834321
42	145	24060	20050	Glass	138	On-off	7,50	834331
56	72	13547	11289	Glass	157	Virtual midnight	8,00	834411MV
56	139	23933	19944	Glass	143	Virtual midnight	8,00	834421MV
56	177	29352	24460	Glass	139	Virtual midnight	8,00	834431MV
56	72	13547	11289	Glass	157	On-off	8,00	834411
56	139	23933	19944	Glass	143	On-off	8,00	834421
56	177	29352	24460	Glass	139	On-off	8,00	834431
70	92	16933	14111	Glass	154	Virtual midnight	8,50	834511MV
70	128	23194	19328	Glass	151	Virtual midnight	8,50	834521MV
70	174	29916	24930	Glass	144	Virtual midnight	8,50	834531MV
70	92	16933	14111	Glass	154	On-off	8,50	834511
70	128	23194	19328	Glass	151	On-off	8,50	834521
70	174	29916	24930	Glass	144	On-off	8,50	834531
84	101	18665	15554	Glass	154	Virtual midnight	9,00	834611MV
84	153	28448	23707	Glass	155	Virtual midnight	9,00	834621MV
84	209	35899	29916	Glass	143	Virtual midnight	9,00	834631MV

FIT 55 | M size

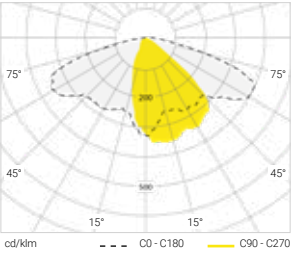


Flicker
<1%

IP66

IK08

FOS



STR-ST roadway narrow beam optics

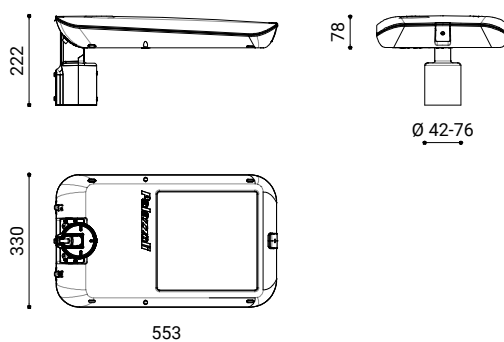
Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application.
Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening.
Aluminium reflector. FOS on page 70.
The stated flux and power values may be subject to a +/- 7% tolerance.

High temperature
4000 K
Class II



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
56	66	12064	10053	Glass	153	Virtual midnight	7,50	834411HT
56	72	13547	11289	Glass	152	Virtual midnight	7,50	834421HT
56	91	16921	14101	Glass	154	Virtual midnight	7,50	834431HT
84	94	17030	14192	Glass	152	Virtual midnight	7,50	834611HT
84	113	20482	17068	Glass	151	Virtual midnight	7,50	834621HT
84	136	25493	21244	Glass	156	Virtual midnight	7,50	834631HT

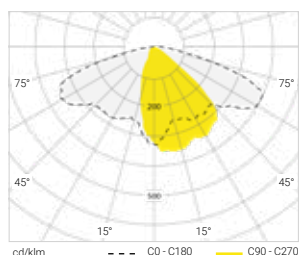
FIT 55 | M size

Flicker
<1%

IP66

IK08

FOS



STR-ST roadway narrow beam optics

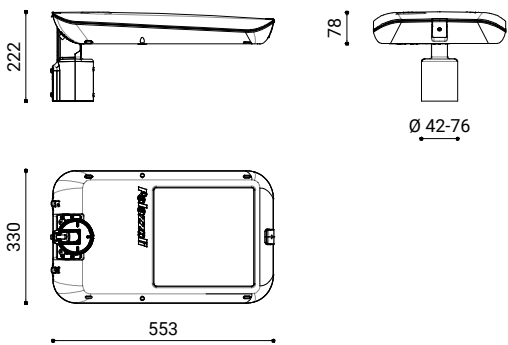
Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnector to allow safe opening. Aluminium reflector. FOS on page 70.

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

4000 K
Class I

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
42	54	10160	8467	Glass	157	Virtual midnight	7,50	854311MV
42	104	17950	14958	Glass	144	Virtual midnight	7,50	854321MV
42	145	24060	20050	Glass	138	Virtual midnight	7,50	854331MV
56	72	13547	11289	Glass	157	Virtual midnight	8,00	854411MV
56	139	23933	19944	Glass	143	Virtual midnight	8,00	854421MV
56	177	29352	24460	Glass	139	Virtual midnight	8,00	854431MV
70	91,5	16933	14111	Glass	154	Virtual midnight	8,50	854511MV
70	128	23194	19328	Glass	151	Virtual midnight	8,50	854521MV
70	174	29916	24930	Glass	144	Virtual midnight	8,50	854531MV
84	101	18665	15554	Glass	154	Virtual midnight	9,00	854611MV
84	153	28448	23707	Glass	155	Virtual midnight	9,00	854621MV
84	209	35899	29916	Glass	143	Virtual midnight	9,00	854631MV

FIT 55 | M size

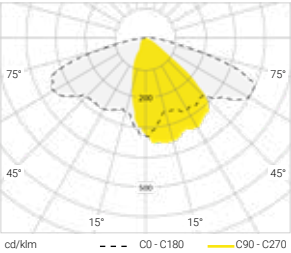


Flicker
<1%

IP66

IK08

FOS



STR-ST roadway narrow beam optics

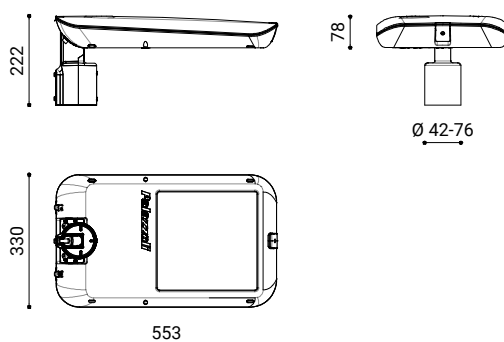
Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening. Aluminium reflector. FOS on page 70. The stated flux and power values may be subject to a +/- 7% tolerance.

3000 K
Class II



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (kg)	Code
42	104	16872	14060	Glass	135	Virtual midnight	7,50	833321MV
42	145	22620	18850	Glass	130	Virtual midnight	7,50	833331MV
56	139	22728	18940	Glass	136	Virtual midnight	8,00	833421MV
56	177	27884	23237	Glass	132	Virtual midnight	8,00	833431MV
70	128	22522	18768	Glass	147	Virtual midnight	8,50	833521MV
70	174	28420	23683	Glass	136	Virtual midnight	8,50	833531MV
84	153	27025	22521	Glass	147	Virtual midnight	9,00	833621MV
84	209	34104	28420	Glass	136	Virtual midnight	9,00	833631MV

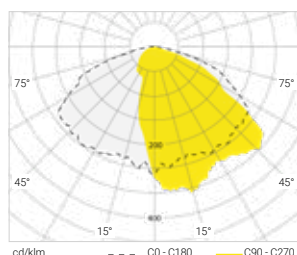
FIT 55 | M size

Flicker
<1%

IP66

IK08

FOS



STR-AM roadway wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnector to allow safe opening. Aluminium reflector. FOS on page 70.

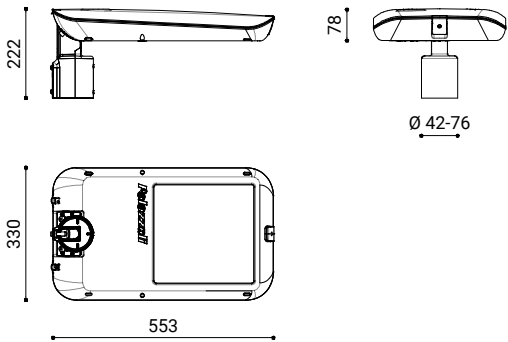
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K
Class II



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
42	54	10160	8467	Glass	157	Virtual midnight	7,50	834310MV
42	104	17950	14958	Glass	144	Virtual midnight	7,50	834320MV
42	145	24060	20050	Glass	138	Virtual midnight	7,50	834330MV
42	54	10160	8467	Glass	157	On-off	7,50	834310
42	104	17950	14958	Glass	144	On-off	7,50	834320
42	145	24060	20050	Glass	138	On-off	7,50	834330
56	72	13547	11289	Glass	157	Virtual midnight	8,00	834410MV
56	139	23933	19944	Glass	143	Virtual midnight	8,00	834420MV
56	177	29352	24460	Glass	139	Virtual midnight	8,00	834430MV
56	72	13547	11289	Glass	157	On-off	8,00	834410
56	139	23933	19944	Glass	143	On-off	8,00	834420
56	177	29352	24460	Glass	139	On-off	8,00	834430
70	92	16933	14111	Glass	154	Virtual midnight	8,50	834510MV
70	128	23194	19328	Glass	151	Virtual midnight	8,50	834520MV
70	174	29916	24930	Glass	144	Virtual midnight	8,50	834530MV
70	92	16933	14111	Glass	154	On-off	8,50	834510
70	128	23194	19328	Glass	151	On-off	8,50	834520
70	174	29916	24930	Glass	144	On-off	8,50	834530
84	101	18665	15554	Glass	154	Virtual midnight	9,00	834610MV
84	153	28448	23707	Glass	155	Virtual midnight	9,00	834620MV
84	209	35899	29916	Glass	143	Virtual midnight	9,00	834630MV

FIT 55 | M size

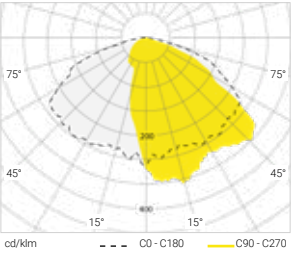


Flicker
<1%

IP66

IK08

FOS



STR-AM roadway wide beam optics

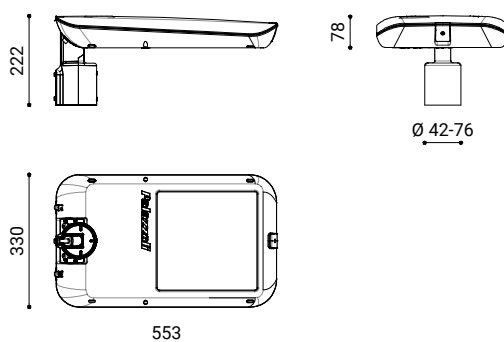
Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening. Aluminium reflector. FOS on page 70. The stated flux and power values may be subject to a +/- 7% tolerance.

High temperature
4000 K
Class II



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
56	66	12064	10053	Glass	153	Virtual midnight	7,50	834410HT
56	72	13547	11289	Glass	152	Virtual midnight	7,50	834420HT
56	91	16921	14101	Glass	154	Virtual midnight	7,50	834430HT
84	94	17030	14192	Glass	152	On-off	7,50	834610HT
84	113	20482	17068	Glass	151	On-off	7,50	834620HT
84	136	25493	21244	Glass	156	On-off	7,50	834630HT

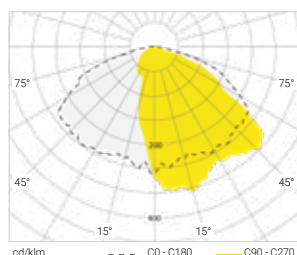
FIT 55 | M size

Flicker
<1%

IP66

IK08

FOS



STR-AM roadway wide beam optics

Included: adjustable pole attachment from -5° to +20° for application at the end of the pole; from -20° to +5° for arm application. Suitable for poles from 42 mm to 76 mm in diameter. Disconnecter to allow safe opening. Aluminium reflector. FOS on page 70.

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

4000 K
Class I

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
42	54	10160	8467	Glass	157	Virtual midnight	7,50	854310MV
42	104	17950	14958	Glass	144	Virtual midnight	7,50	854320MV
42	145	24060	20050	Glass	138	Virtual midnight	7,50	854330MV
56	72	13547	11289	Glass	157	Virtual midnight	8,00	854410MV
56	139	23933	19944	Glass	143	Virtual midnight	8,00	854420MV
56	177	29352	24460	Glass	139	Virtual midnight	8,00	854430MV
70	91,5	16933	14111	Glass	154	Virtual midnight	8,50	854510MV
70	128	23194	19328	Glass	151	Virtual midnight	8,50	854520MV
70	174	29916	24930	Glass	144	Virtual midnight	8,50	854530MV
84	101	18665	15554	Glass	154	Virtual midnight	9,00	854610MV
84	153	28448	23707	Glass	155	Virtual midnight	9,00	854620MV
84	209	35899	29916	Glass	143	Virtual midnight	9,00	854630MV

3000 K
Class II

42	104	16872	14060	Glass	135	Virtual midnight	7,50	833320MV
42	145	22620	18850	Glass	130	Virtual midnight	7,50	833330MV
56	139	22728	18940	Glass	136	Virtual midnight	8,00	833420MV
56	177	27884	23237	Glass	132	Virtual midnight	8,00	833430MV
70	128	22522	18768	Glass	147	Virtual midnight	8,50	833520MV
70	174	28420	23683	Glass	136	Virtual midnight	8,50	833530MV
84	153	27025	22521	Glass	147	Virtual midnight	9,00	833620MV
84	209	34104	28420	Glass	136	Virtual midnight	9,00	833630MV

Accessories FIT 55



FIT 55 with double arm

Single Arm		Double Arm		Wall Mounting Bracket	
	Material: Painted galvanized steel		Material: Painted galvanized steel		Material: Painted galvanized steel
	Code: 834901		Code: 834902		Code: 834903

FIT URBAN



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)

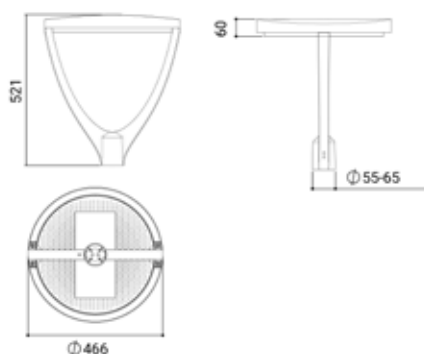
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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 (EN44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Head pole - 5° ÷ +20° Arm -20° ÷ +5° Tensioned Pendant mounting
Ambient operating temperature	-40 °C - +45 °C -40 °C - +60 °C (HT version)
Ambient storage temperature	-40 °C - +70 °C
Wind-exposed surface	Head pole side 0,09 m² - front 0,19 m² Arm, catenary wire, pendant mounting side 0,04 m² - front 0,19 m²
Actual efficacy of the device	Up to 170 lm/W
Colour temperature	4000 K - 3000 K
Optics features	High efficiency reflector in aluminium 99.9% non-ageing UV resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0-Exempt Group (EN 62471)
Residual flicker	<1%
Luminous flux maintenance	L80 B10 @ 90,000 h Tq=+55 °C (HT version) L80 B10 @ 150,000 h Tq=+25 °C
Insulation class	II
Supply voltage	200-240V 50-60Hz
Surge protection	10 kV common mode and differential mode as per EN61000-4-5
Power factor	>0,95
Type of power supply	2x1 mm² H05RN-F cable length 70 cm with 2Px2,5 mm² connector
Max. conductor cross-section	2,5 mm²
Entry cable diameter	7÷13 mm

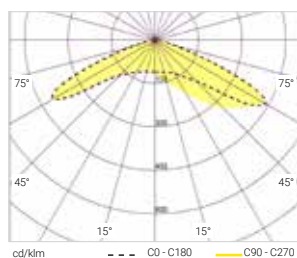
Special versions can be made by combining the optics, power supplies and colour temperatures. Versions with NEMA, ZHAGA socket and CRI 80 are also available.

FIT URBAN pole-top

Flicker
<1%Class
II

IP66

IK08



Roadway 60° wide beam optics

Included: head pole attachment. Suitable for poles with a diameter from 55 mm to 65 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
PMMA lenses.

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

4000 K

+ 45°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
20	16	3000	2500	Glass	156	On-off	8,60	864116
20	29	5150	4292	Glass	148	On-off	8,60	864126
20	58	9744	8120	Glass	140	On-off	8,60	864136
40	91	14742	12285	Glass	150	On-off	8,60	864246
40	121	19488	16240	Glass	140	On-off	8,60	864256

High temperature
4000 K+ 60°C
- 40°C

40	30	5016	4180	Glass	140	On-off	8,60	864136HT
40	60	9936	8280	Glass	138	On-off	8,60	864256HT

3000 K

+ 45°C
- 40°C

20	29	4837	4031	Glass	139	On-off	8,60	863126
20	58	9240	7700	Glass	133	On-off	8,60	863136
40	91	14280	11900	Glass	131	On-off	8,60	863246

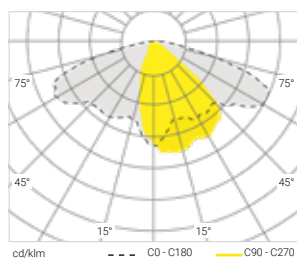
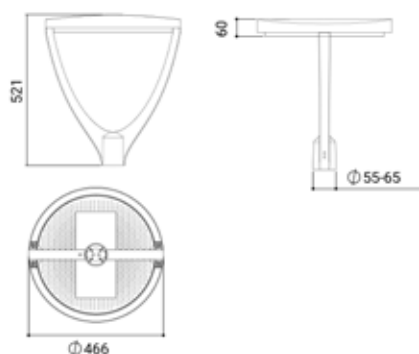
FIT URBAN pole-top

Flicker
<1%Class
II

IP66

IK08

FOS



STR-ST roadway narrow beam optics

Included: head pole attachment. Suitable for poles with a diameter from 55 mm to 65 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
Aluminium reflector. FOS on page 76.

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

4000 K



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	17	3400	2822	Glass	166	On-off	8,60	864111
14	34	6000	4998	Glass	147	On-off	8,60	864121
14	54	8700	7236	Glass	134	On-off	8,60	864131
28	69	12000	9970	Glass	145	On-off	8,60	864241
28	86	14600	12126	Glass	141	On-off	8,60	864251

High temperature
4000 K

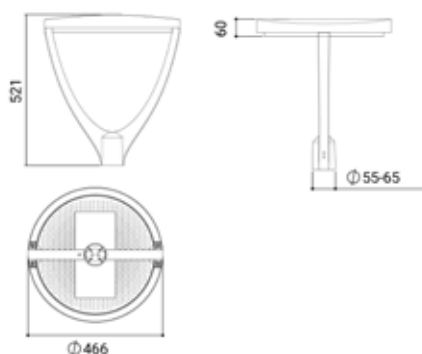
14	22	4200	3498	Glass	159	On-off	8,60	864131HT
28	43	8300	6858	Glass	160	On-off	8,60	864251HT

3000 K



14	54	7980	6642	Glass	123	On-off	8,60	863131
28	69	11300	9384	Glass	136	On-off	8,60	863241
28	86	13800	11438	Glass	133	On-off	8,60	863251

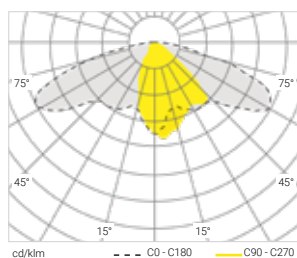
FIT URBAN pole-top

Flicker
<1%Class
II

IP66

IK08

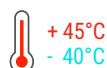
FOS



Cycle lane beam optics

Included: head pole attachment. Suitable for poles with a diameter from 55 mm to 65 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
Aluminium reflector. FOS on page 76.
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K



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
14	17	3400	2822	Glass	166	On-off	8,60	864112
14	34	6000	4998	Glass	147	On-off	8,60	864122
14	54	8700	7236	Glass	134	On-off	8,60	864132
28	69	12000	9970	Glass	145	On-off	8,60	864242

3000 K



14	17	3120	2590	Glass	152	On-off	8,60	863112
14	34	5500	4590	Glass	135	On-off	8,60	863122
14	54	7980	6642	Glass	123	On-off	8,60	863132
28	69	11300	9384	Glass	136	On-off	8,60	863242

FIT URBAN pole-top

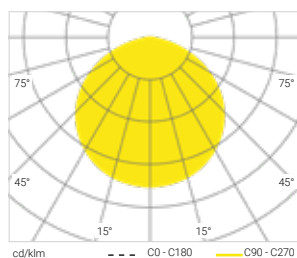
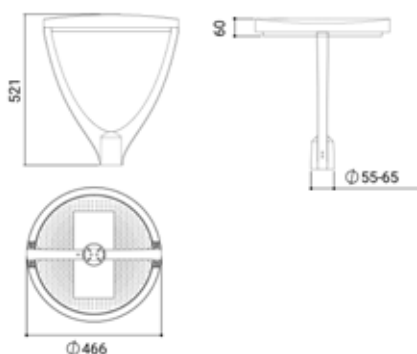


Flicker
<1%

Class
II

IP66

IK08



Symmetrical 120° beam optics

Included: head pole attachment. Suitable for poles with a diameter from 55 mm to 65 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K



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	16	3000	2720	Glass	170	On-off	8,60	864110
20	29	5150	4640	Glass	160	On-off	8,60	864120
20	58	9744	8932	Glass	154	On-off	8,60	864130
40	91	14742	13468	Glass	148	On-off	8,60	864240
40	121	19488	17787	Glass	147	On-off	8,60	864250

High temperature
4000 K

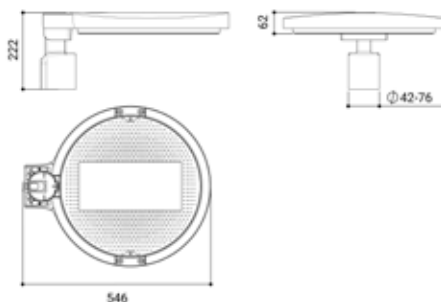
40	30	5016	4620	Glass	154	On-off	8,60	864130HT
40	60	9936	9060	Glass	151	On-off	8,60	864250HT

3000 K



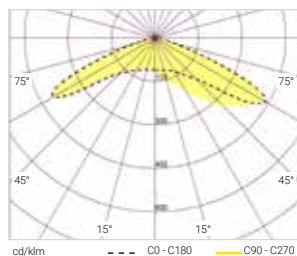
20	29	4837	4408	Glass	152	On-off	8,60	863120
20	58	9240	8468	Glass	146	On-off	8,60	863130
40	91	14280	13104	Glass	144	On-off	8,60	863240

FIT URBAN arm

Flicker
<1%Class
II

IP66

IK08



Roadway 60° wide beam optics

Included: arm fastening. Suitable for poles with a diameter from 42 mm to 76 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
PMMA lenses.
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K

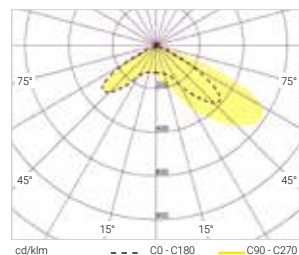


LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	16	3000	2500	Glass	156	On-off	7,80	864116B
20	29	5150	4292	Glass	148	On-off	7,80	864126B
20	58	9744	8120	Glass	140	On-off	7,80	864136B
40	91	14742	12285	Glass	135	On-off	7,80	864246B
40	121	19488	16240	Glass	135	On-off	7,80	864256B

3000 K



20	29	4837	4031	Glass	139	On-off	7,80	863126B
20	58	9240	7700	Glass	133	On-off	7,80	863136B
40	91	14280	11900	Glass	131	On-off	7,80	863246B



Large areas 60° extra wide beam optics

Included: arm fastening. Suitable for poles with a diameter from 42 mm to 76 mm.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
PMMA lenses.
The stated flux and power values may be subject to a +/- 7% tolerance.

4000 K



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	16	3000	2500	Glass	156	On-off	7,80	864117B
20	29	5150	4292	Glass	148	On-off	7,80	864127B
20	58	9744	8120	Glass	140	On-off	7,80	864137B
40	91	14742	12285	Glass	135	On-off	7,80	864247B
40	121	19488	16240	Glass	135	On-off	7,80	864257B

3000 K



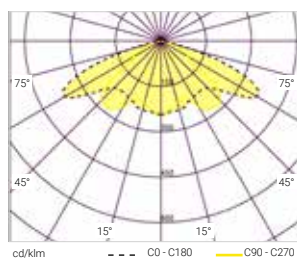
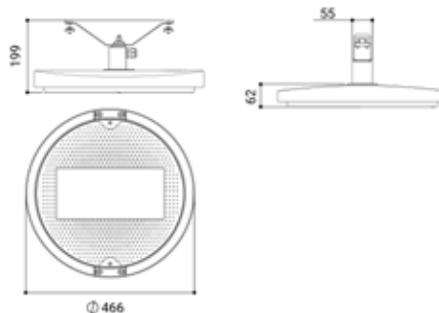
20	29	4837	4031	Glass	139	On-off	7,80	863127B
20	58	9240	7700	Glass	133	On-off	7,80	863137B
40	91	14280	11900	Glass	131	On-off	7,80	863247B

FIT URBAN catenary wire

Flicker
<1%Class
II

IP66

IK08

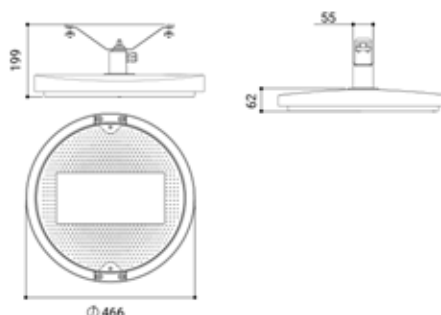


Road centre wide beam optics

Included: bracket for tensioned installation on cables, steel cables.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
PMMA lenses.
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
4000 K 	40	58	9744	8120	Glass	140	On-off	7,80	864234T
	40	91	14742	12285	Glass	135	On-off	7,80	864244T
	40	121	19488	16240	Glass	135	On-off	7,80	864254T
3000 K 	40	58	9240	7700	Glass	133	On-off	7,80	863234T
	40	91	14280	11900	Glass	131	On-off	7,80	863244T

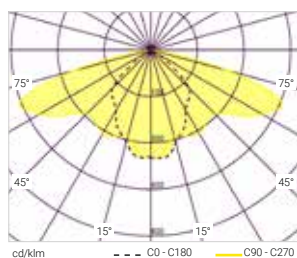
FIT URBAN catenary wire

Flicker
<1%Class
II

IP66

IK08

FOS

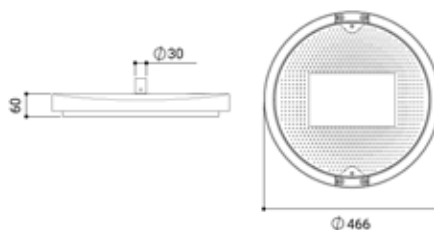


Road centre narrow beam optics

Included: bracket for tensioned installation on cables, steel cables.
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.
Aluminium reflector. FOS on page 76.
The stated flux and power values may be subject to a +/- 7% tolerance.

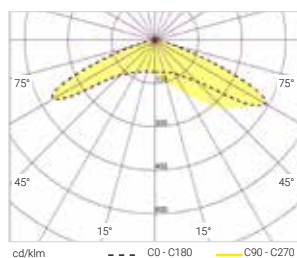
	LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (kg)	Code
4000 K 	28	54	8700	7236	Glass	134	On-off	7,80	864235T
	28	69	12000	9970	Glass	145	On-off	7,80	864245T
	28	86	14600	12126	Glass	141	On-off	7,80	864255T
3000 K 	28	69	11300	9384	Glass	136	On-off	7,80	863245T
	28	86	13800	11438	Glass	133	On-off	7,80	863255T

FIT URBAN pendant mounting

Flicker
<1%Class
II

IP66

IK08



Roadway 60° wide beam optics

Included: bracket for pendant mounting fastening.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

PMMA lenses.

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

4000 K



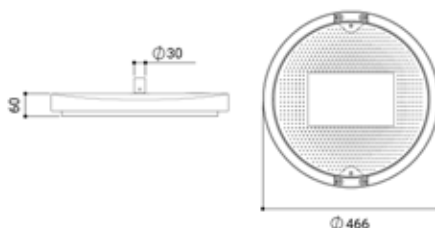
LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	16	3000	2500	Glass	156	On-off	7,80	864116S
20	29	5150	4292	Glass	148	On-off	7,80	864126S
20	58	9744	8120	Glass	140	On-off	7,80	864136S
40	91	14742	12285	Glass	135	On-off	7,80	864246S
40	121	19488	16240	Glass	135	On-off	7,80	864256S

3000 K



20	29	4837	4031	Glass	139	On-off	7,80	863126S
20	58	9240	7700	Glass	133	On-off	7,80	863136S
40	91	14280	11900	Glass	131	On-off	7,80	863246S

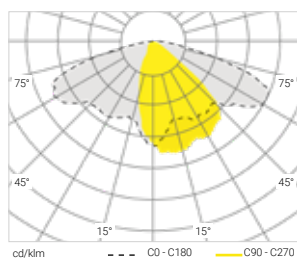
FIT URBAN pendant mounting

Flicker
<1%Class
II

IP66

IK08

FOS



STR-ST roadway narrow beam optics

Included: bracket for pendant mounting fastening.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 70 cm.

Aluminium reflector. FOS on page 76.

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

4000 K

+ 45°C
- 40°C

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
14	17	3400	2822	Glass	166	On-off	7,80	864111S
14	34	6000	4998	Glass	147	On-off	7,80	864121S
14	54	8700	7236	Glass	134	On-off	7,80	864131S
28	69	12000	9970,5	Glass	145	On-off	7,80	864241S
28	86	14600	12126	Glass	141	On-off	7,80	864251S

3000 K

+ 45°C
- 40°C

14	54	7980	6642	Glass	123	On-off	7,80	863131S
28	69	11300	9384	Glass	136	On-off	7,80	863241S
28	86	13800	11438	Glass	133	On-off	7,80	863251S



Tunnels

Road and motorway tunnels



FLIGHT-T54

from 4600 lm to 29260 lm
Page 256



TIGUA-T54

from 4970 lm to 16820 lm
Page 260



XTIGUA-T54

from 21584 lm to 57565 lm
Page 262



RINO-T54

from 3628 lm to 6000 lm
Page 266



XRINO-T54

from 8046 lm to 59202 lm
Page 268

FLIGHT-T54



WARRANTY
UP TO 10 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)

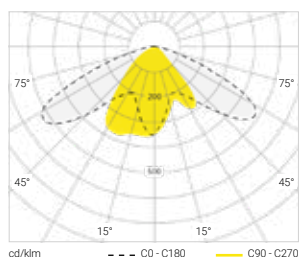
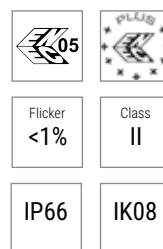
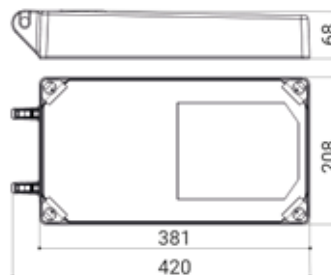
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60079-0 and 60598-1
Impact resistance	IK08 as per IEC 62262
Corrosion class	C5-M / C4-H ISO 9223
Mounting system	Predisposed for cable tray mounting
Ambient operating temperature	-40 °C - +40 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 165 lm/W
Colour temperature	4000 K
Optics features	Size S with high efficiency aluminium reflector 99.9% M size with 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 @ 150,000 h Tq=+25 °C
Insulation class	II
Supply voltage	220V-240V 50/60Hz
Surge protection	10 kV common mode and differential mode as per EN61000-4-5
Power factor	>0,95
Type of power supply	1.5 mm ² FTG180M16 cable with plug 16A 2P IP67 IEC EN 60309-1/-2

Special versions can be made for remote management of the system.

FLIGHT-T54 | S size



PA5 permanent asymmetrical beam optics

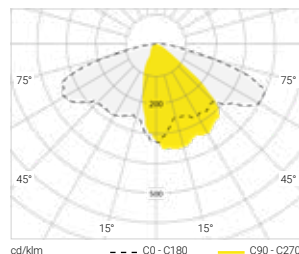
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable. Aluminium reflector.

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

Permanent



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
14	38	6790	5658	Glass	150	On-off	5,00	802192
28	28	5520	4600	Glass	165	On-off	5,00	802232
28	44	8290	6908	Glass	156	On-off	5,00	802252
28	66	12044	10037	Glass	153	On-off	5,00	802282



STR-ST permanent asymmetrical beam optics

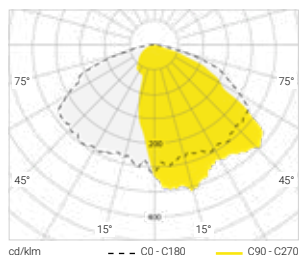
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable. Aluminium reflector. FOS on page 62.

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

Permanent



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
14	38	6790	5658	Glass	150	On-off	5,00	802191
28	28	5520	4600	Glass	165	On-off	5,00	802231
28	44	8290	6908	Glass	156	On-off	5,00	802251
28	66	12044	10037	Glass	153	On-off	5,00	802281



STR-AM permanent asymmetrical beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable. Aluminium reflector. FOS on page 62.

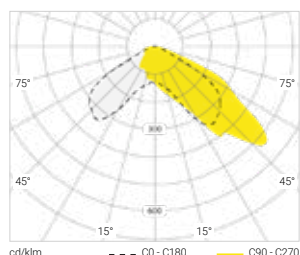
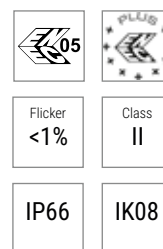
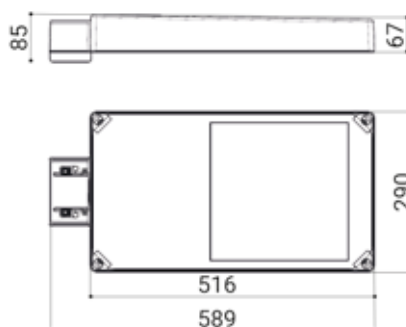
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent



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
14	38	6790	5658	Glass	150	On-off	5,00	802190
28	28	5520	4600	Glass	165	On-off	5,00	802230
28	44	8290	6908	Glass	156	On-off	5,00	802250
28	66	12044	10037	Glass	153	On-off	5,00	802280

FLIGHT-T54 | M size



Reinforcement asymmetrical 50° extra wide beam optics

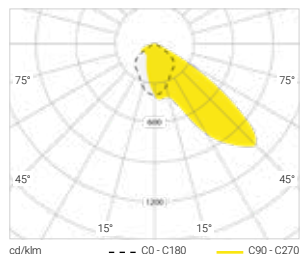
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



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	110	17820	14850	Glass	135	On-off	7,50	802317
48	146	23652	19710	Glass	135	On-off	7,50	802417
60	183	29426	24522	Glass	134	On-off	7,50	802517
72	220	35112	29260	Glass	133	On-off	7,50	802617



Reinforcement asymmetrical 55° narrow beam optics

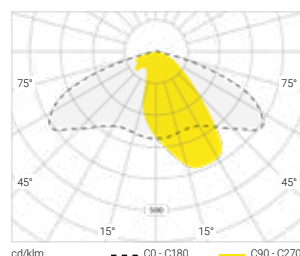
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



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	110	17820	14850	Glass	135	On-off	7,50	802315
48	146	23652	19710	Glass	135	On-off	7,50	802415
60	183	29426	24522	Glass	134	On-off	7,50	802515
72	220	35112	29260	Glass	133	On-off	7,50	802615



Reinforcement symmetrical 65° beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



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	110	17820	14850	Glass	135	On-off	7,50	802314
48	146	23652	19710	Glass	135	On-off	7,50	802414
60	183	29426	24522	Glass	134	On-off	7,50	802514
72	220	35112	29260	Glass	133	On-off	7,50	802614

Accessories FLIGHT-T54



FLIGHT- T54 equipped with **support for quick coupling to the cable tray**

Brackets for quick coupling to the cable tray dimensions for S size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	
	200 x 65/70/75/80/100	802900
	300 x 65/70/75/80/100	
Material: AISI 304 stainless steel		

Brackets for quick coupling for transversal adjustment for S size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	802910
	200 x 65/70/75/80/100	802911
	300 x 65/70/75/80/100	802912
Material: AISI 304 stainless steel		

Features: transversal adjustment 5°-10°-15°-20°-25°

Brackets for quick coupling to the cable tray for M size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	802903
	200 x 65/70/75/80/100	802905
	300 x 65/70/75/80/100	802906
Material: AISI 304 stainless steel		

Brackets for quick coupling for 6° axial adjustment for M size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	802913
	200 x 65/70/75/80/100	802914
	300 x 65/70/75/80/100	802915
Material: AISI 304 stainless steel		

Quick coupling brackets for 8° axial adjustment for M size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	802916
	200 x 65/70/75/80/100	802917
	300 x 65/70/75/80/100	802918
Material: AISI 304 stainless steel		

Quick coupling brackets for 10° axial adjustment for M size

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	802919
	200 x 65/70/75/80/100	802920
	300 x 65/70/75/80/100	802921
Material: AISI 304 stainless steel		

TIGUA-T54 and XTIGUA-T54



WARRANTY
UP TO 10 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)

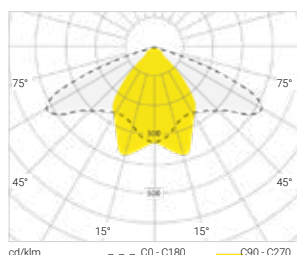
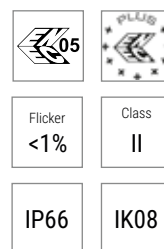
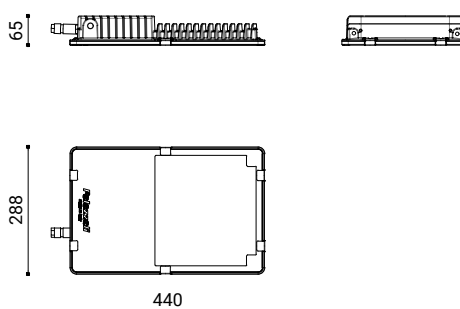
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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	Hot-polymerized non-toxic polyester paint
Colour	Grey RAL 7011
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC 62262
Corrosion class	C5-M / C4-H (ISO 9223)
Mounting system	Predisposed for cable tray mounting
Ambient operating temperature	-40 °C - +45 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 145 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 5-step
Photobiological risk	RG0-Exempt Group (EN 62471)
Residual flicker	<1%
Luminous flux maintenance	L80 B20 @ 100,000 h Tq=+25 °C
Insulation class	II
Supply voltage	220V-240V 50/60Hz
Surge protection	8 kV common mode and 10kV differential mode as per EN61000-4-5
Power factor	>0,98
Type of power supply	1.5 mm ² FTG180M16 cable with plug 16A 2P IP67 IEC EN 60309-1/-2

Special versions can be made for remote management of the system.

TIGUA-T54



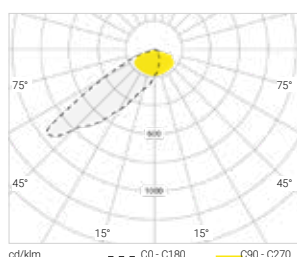
PS3 symmetrical axial and symmetrical transversal beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent
and reinforcement



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
4	35	5964	4970	Glass	142	Dimmable 1-10	5,50	811404
6	51	8690	7242	Glass	142	Dimmable 1-10	5,70	811406
8	67	11416	9514	Glass	142	Dimmable 1-10	5,90	811408
12	100	17040	14200	Glass	142	Dimmable 1-10	6,20	811412
14	116	19766	16472	Glass	142	Dimmable 1-10	6,40	811414



RS1 counterbeam axial 52° and symmetrical transversal beam optics

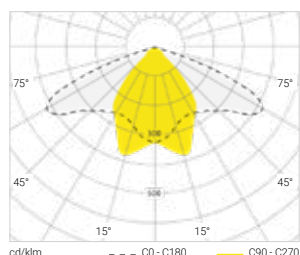
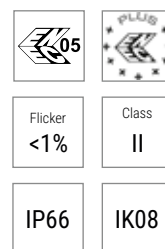
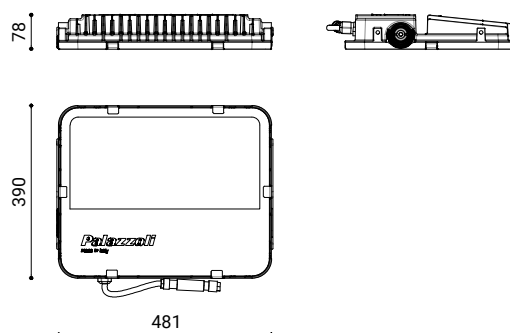
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent
and reinforcement



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
4	35	6090	5075	Glass	145	Dimmable 1-10	5,50	811504
6	51	8874	7395	Glass	145	Dimmable 1-10	5,70	811506
8	67	11658	9715	Glass	145	Dimmable 1-10	5,90	811508
12	100	17400	14500	Glass	145	Dimmable 1-10	6,20	811512
14	116	20184	16820	Glass	145	Dimmable 1-10	6,40	811514

XTIGUA-T54 | M size



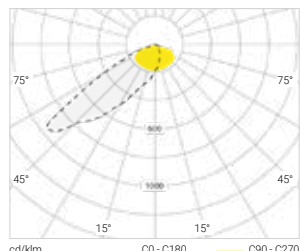
PS3 symmetrical axial and symmetrical transversal beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent
and reinforcement



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
18	152	25900	21584	Glass	142	Dimmable 1-10	7,20	812418
24	203	34591	28826	Glass	142	Dimmable 1-10	7,30	812424
30	253	43111	35926	Glass	142	Dimmable 1-10	7,40	812430



RS1 counterbeam axial 52° and symmetrical transversal beam optics

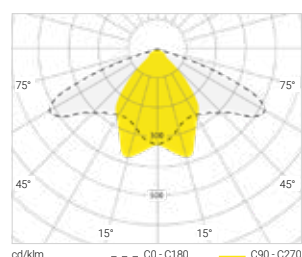
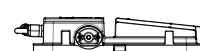
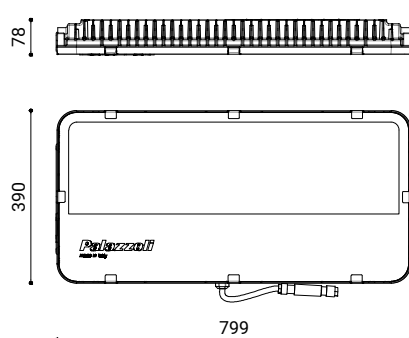
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent
and reinforcement



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
18	152	25900	21584	Glass	142	Dimmable 1-10	7,20	812518
24	203	34591	28826	Glass	142	Dimmable 1-10	7,30	812524
30	253	43111	35926	Glass	142	Dimmable 1-10	7,40	812530

XTIGUA-T54 | L size



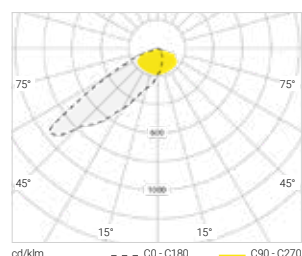
PS3 symmetrical axial and symmetrical transversal beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.
Dimmable version on request.

Permanent
and reinforcement



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	303	51631	43026	Glass	142	Dimmable 1-10	12,00	812436
42	349	59469	49558	Glass	142	Dimmable 1-10	12,20	812442
48	397	67648	56374	Glass	142	Dimmable 1-10	12,40	812448



RS1 counterbeam axial 52° and symmetrical transversal beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.
Dimmable version on request.

Permanent
and reinforcement



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	303	52722	43935	Glass	145	Dimmable 1-10	12,00	812536
42	349	60726	50605	Glass	145	Dimmable 1-10	12,20	812542
48	397	69078	57565	Glass	145	Dimmable 1-10	12,40	812548

Accessories TIGUA-T54 and XTIGUA-T54



XTIGUA T-54 equipped with support for quick coupling to the cable tray

Pair of quick coupling brackets for S-M-L size

 Material: AISI 304 stainless steel	Cable tray dimensions (LxH)	Code
	100 x 75	811900
	200 x 75	811901
	300 x 75	811902
	100 x 100	811903
	200 x 100	811904
	300 x 100	811905

Pair of quick coupling brackets for S-M-L size

 Material: AISI 304 stainless steel	Cable tray dimensions (LxH)	Code
	100 x 75	811925
	200 x 75	811926
	300 x 75	811927
	100 x 100	811928
	200 x 100	811929
	300 x 100	811930

Features: transversal adjustment 4°-6°-8°-10°-12°-14°-16°-18°-20°.

Pair of screw mount brackets for S-M-L size

 Material: AISI 304 stainless steel	Cable tray dimensions (LxH)	Code
	100 x 75	811906

Pair of adjustable screw mount brackets for S-M-L size

 Material: AISI 304 stainless steel	Cable tray dimensions (LxH)	Code
	100 x 75	811907

Features: transversal adjustment 4°-6°-8°-10°-12°-14°-16°-18°-20°.

Accessories TIGUA-T54 and XTIGUA-T54



Pair of axial adjustment quick coupling brackets for S size



Material:
AISI 304 stainless steel

Axial adjustment	Cable tray dimensions (LxH)	Code
6°	100 x 75	811931
6°	200 x 75	811932
6°	300 x 75	811933
6°	100 x 100	811934
6°	200 x 100	811935
6°	300 x 100	811936
8°	100 x 75	811937
8°	200 x 75	811938
8°	300 x 75	811939
8°	100 x 100	811940
8°	200 x 100	811941
8°	300 x 100	811942
10°	100 x 75	811943
10°	200 x 75	811944
10°	300 x 75	811945
10°	100 x 100	811946
10°	200 x 100	811947
10°	300 x 100	811948

Pair of axial adjustment quick coupling brackets for m size



Material:
AISI 304 stainless steel

Axial adjustment	Cable tray dimensions (LxH)	Code
6°	100 x 75	812931M
6°	200 x 75	812932M
6°	300 x 75	812933M
6°	100 x 100	812934M
6°	200 x 100	812935M
6°	300 x 100	812936M
8°	100 x 75	812937M
8°	200 x 75	812938M
8°	300 x 75	812939M
8°	100 x 100	812940M
8°	200 x 100	812941M
8°	300 x 100	812942M
10°	100 x 75	812943M
10°	200 x 75	812944M
10°	300 x 75	812945M
10°	100 x 100	812946M
10°	200 x 100	812947M
10°	300 x 100	812948M

Pair of axial adjustment quick coupling brackets for L size



Material:
AISI 304 stainless steel

6°	100 x 75	812931L
6°	200 x 75	812932L
6°	300 x 75	812933L
6°	100 x 100	812934L
6°	200 x 100	812935L
6°	300 x 100	812936L
8°	100 x 75	812937L
8°	200 x 75	812938L
8°	300 x 75	812939L
8°	100 x 100	812940L
8°	200 x 100	812941L
8°	300 x 100	812942L
10°	100 x 75	812943L
10°	200 x 75	812944L
10°	300 x 75	812945L
10°	100 x 100	812946L
10°	200 x 100	812947L
10°	300 x 100	812948L

RINO-T54 and XRINO-T54



WARRANTY
UP TO 10 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)

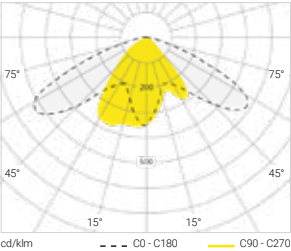
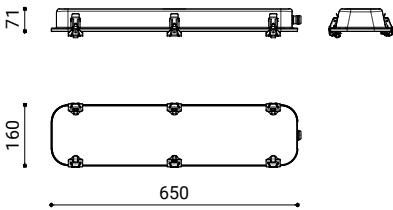
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-3
EN 60598-2-5
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 62262
Corrosion class	C5-H AISI 304 stainless steel (ISO 9223)
Mounting system	Predisposed for cable tray mounting
Ambient operating temperature	-40 °C - +45 °C
Ambient storage temperature	-30 °C - +70 °C
Actual efficacy of the device	Up to 162 lm/W
Colour temperature	4000 K
Optics features	High-efficiency aluminium reflector 99.9% 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 @ 240,000 h Tq=+25 °C
Insulation class	II
Supply voltage	220V-240V 50/60Hz
Surge protection	10kV common mode and differential mode as per EN61000-4-5
Type of power supply	1.5 mm² FTG180M16 cable with plug 16A 2P IP67 IEC EN 60309-1/-2

Special versions can be made for remote management of the system.

RINO-T54 | S size



PA5 symmetrical axial and asymmetrical transversal beam optics

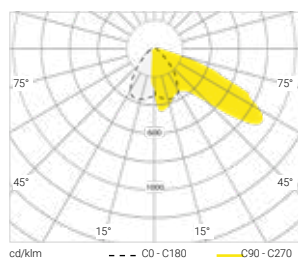
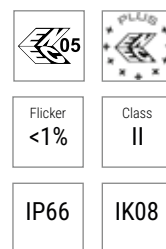
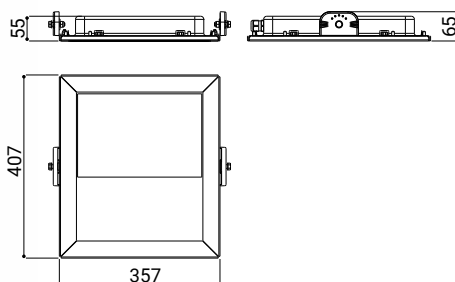
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
The stated flux and power values may be subject to a +/- 7% tolerance.

Permanent



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
14	25	4353	3628	Glass	145	Dimmable 1-10	5,60	829110
14	35	5800	4827	Glass	138	Dimmable 1-10	5,60	829120
14	45	7200	6000	Glass	133	Dimmable 1-10	5,60	829130

XRINO-T54 | M size



RS5 counterbeam axial 55° and symmetrical transversal beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
Aluminium reflector.

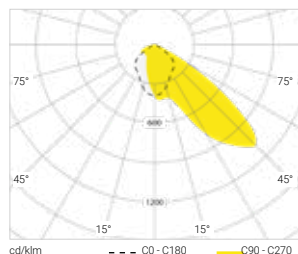
The stated flux and power values may be subject to a +/- 7% tolerance.

cd/klm --- C0 - C180 --- C90 - C270

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	56	9700	8046	Glass	149	Dimmable 1-10	5,80	829211
24	64	11000	9152	Glass	143	Dimmable 1-10	5,80	829221



Reinforcement asymmetrical 55° narrow beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

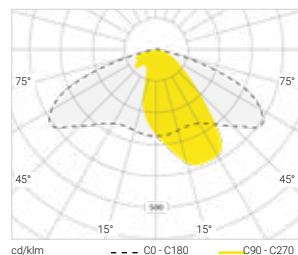
The stated flux and power values may be subject to a +/- 7% tolerance.

cd/klm --- C0 - C180 --- C90 - C270

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	54	9655	8046	Glass	149	Dimmable 1-10	5,80	829215
24	64	10500	9088	Glass	142	Dimmable 1-10	5,80	829225



Reinforcement symmetrical 65° beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

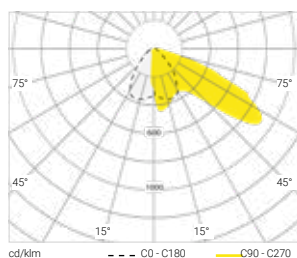
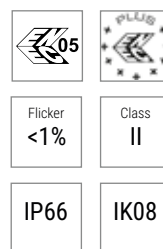
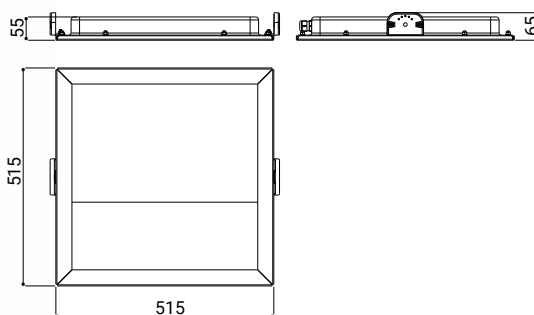
cd/klm --- C0 - C180 --- C90 - C270

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	54	9655	8046	Glass	149	Dimmable 1-10	5,80	829212
24	64	10500	9088	Glass	142	Dimmable 1-10	5,80	829222

XRINO-T54 | L size



RS5 counterbeam axial 55° and symmetrical transversal beam optics

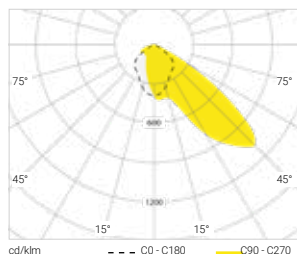
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
Aluminium reflector.

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

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
80	86	16800	13932	Glass	162	Dimmable 1-10	12,5	829311
80	129	23994	19995	Glass	155	Dimmable 1-10	12,5	829321
80	186	33480	27900	Glass	150	Dimmable 1-10	12,5	829331



Reinforcement asymmetrical 55° narrow beam optics

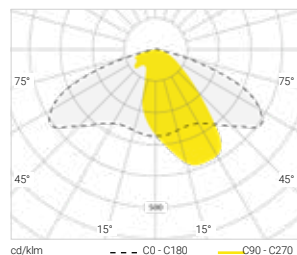
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	143	26000	21164	Glass	148	Dimmable 1-10	12,5	829345
48	186	32364	26970	Glass	145	Dimmable 1-10	12,5	829355



Reinforcement symmetrical 65° beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

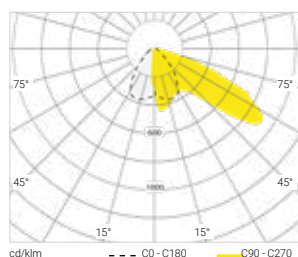
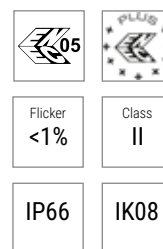
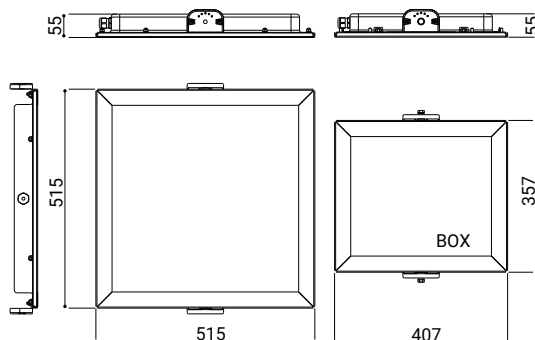
The stated flux and power values may be subject to a +/- 7% tolerance.

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	143	26000	21164	Glass	148	Dimmable 1-10	12,5	829342
48	186	32364	26970	Glass	145	Dimmable 1-10	12,5	829352

XRINO-T54 | XL size



RS5 counterbeam axial 55° and symmetrical transversal beam optics

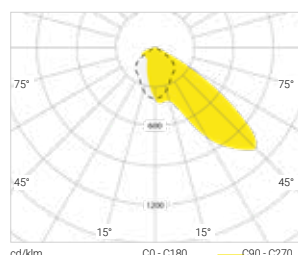
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
Aluminium reflector.

* The codes 829431 and 829441 are equipped with an aluminium heatsink.
The stated flux and power values may be subject to a +/- 7% tolerance.

Reinforcement



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
160	250	44100	36750	Glass	147	Dimmable 1-10	12,5	829411
160	300	52200	43500	Glass	145	Dimmable 1-10	19	829421
160	357	62118	51765	Glass	145	Dimmable 1-10	19	829431*
160	429	70000	59202	Glass	138	Dimmable 1-10	19	829441*



Reinforcement asymmetrical 55° narrow beam optics

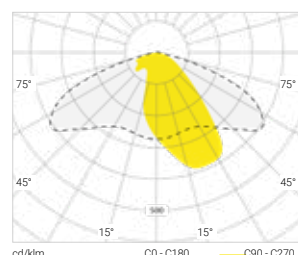
Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



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	300	48600	40500	Glass	135	Dimmable 1-10	19	829455



Reinforcement symmetrical 65° beam optics

Included: power supply with 16A 2P IP67 IEC EN 60309-1/-2 plug with 1.5 mm² FTG180M16 cable.
PMMA lenses.

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

Reinforcement



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	300	48600	40500	Glass	135	Dimmable 1-10	19	829452

Accessories RINO-T54 and XRINO-T54



RINO T-54 equipped with **support for quick coupling to the cable tray**

Bracket for quick fixing to the cable tray for S size floodlights

	Cable tray dimensions (LxH)	Code
	100 x 75/100	829001
	200 x 75/100	829002
	300 x 75/100	829003
Material: AISI 316L stainless steel		
Features: transversal adjustment 0°-4°-8°.		

Bracket for quick fixing to the cable tray for M size floodlights

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	829101
	200 x 65/70/75/80/100	829102
	300 x 65/70/75/80/100	829103
Material: AISI 316L stainless steel		
Features: vertical adjustment +/- 30°, axial adjustment 0°-5°-10°.		

Bracket for quick fixing to the cable tray for L size floodlights

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	829201
	200 x 65/70/75/80/100	829202
	300 x 65/70/75/80/100	829203
Material: AISI 316L stainless steel		
Features: vertical adjustment +/- 30°, axial adjustment 0°-5°-10°.		

Bracket for quick fixing to the cable tray for XL size floodlights

	Cable tray dimensions (LxH)	Code
	100 x 65/70/75/80/100	829301
	200 x 65/70/75/80/100	829302
	300 x 65/70/75/80/100	829303
Material: AISI 316L stainless steel		
Features: vertical adjustment +/- 30°, axial adjustment 0°-5°-10°.		