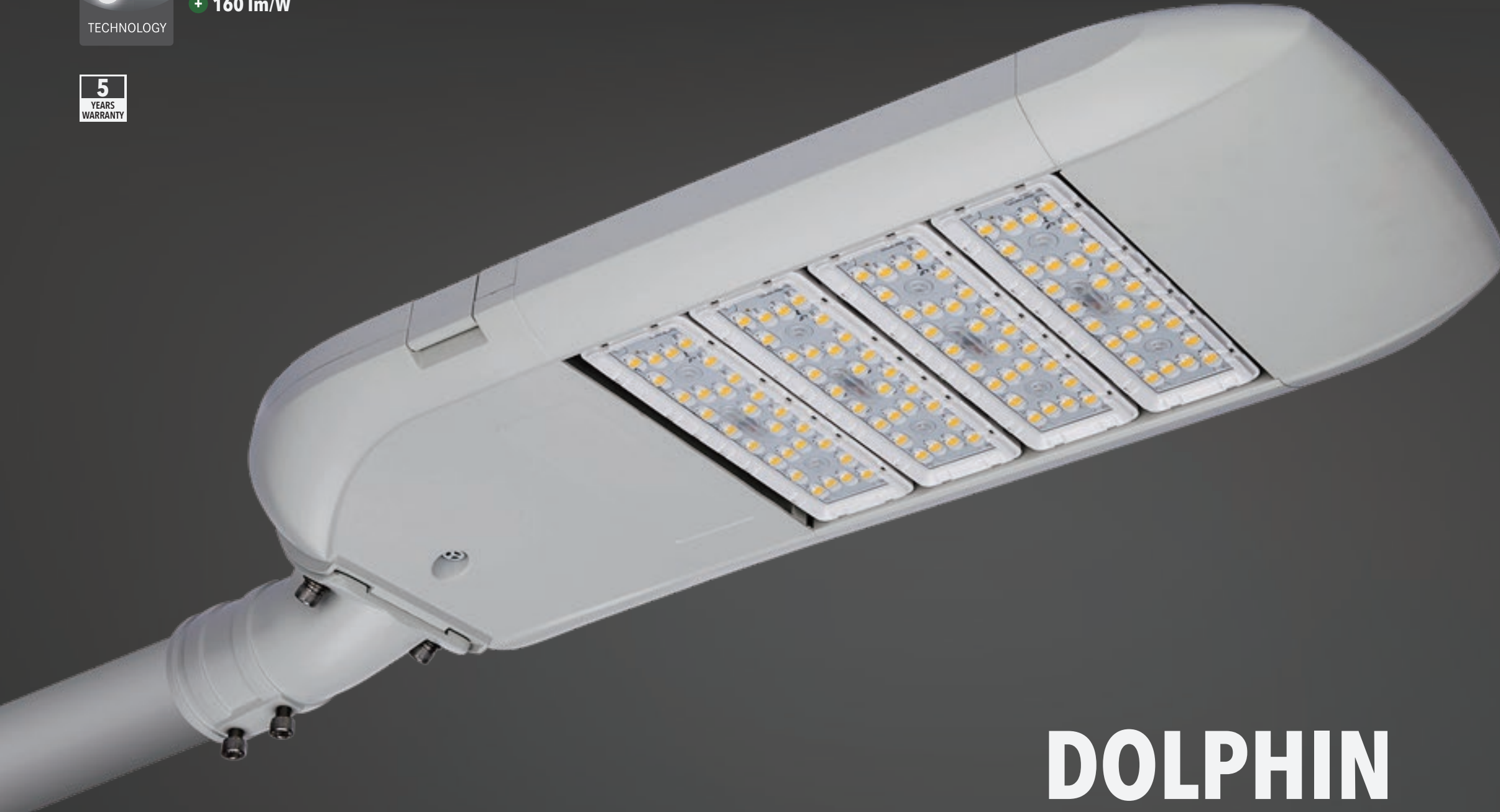




+ 160 lm/W



DOLPHIN

LED LUMINAIRE FOR ROADWAY & PUBLIC AREA LIGHTING. AVAILABLE IN A WIDE RANGE OF LUMINOUS FLUX AND OPTICS.



LIGHT SOURCE

Modular light source with high power LEDs, the LED modules are made of quality polycarbonate lenses and massive aluminum cooling fins, guarantees professional light distributions and thermal management. Tool-less replaceable modules, quick and easy to onsite maintain. Available in a wide range of optics improve the necessary flexibility to meet different lighting requirements.

CONNECTOR

Swivel waterproof connector makes it convenient to change LED modules .



HOUSING

The luminaire body is made of die-cast aluminum, with powder coated finishing for harsh outdoor environments. Mellow design makes the luminaire perform well with self-cleaning. The electrical compartment is equipped with a breather valve for improved waterproof and heat dissipation performance.



BREATHER VALVE

The electrical compartment is equipped with an advanced breather valve for improved waterproof and heat dissipation performance.

SERIES DOLPHIN

LED MODULES	1 ... 7
POWER	60 ... 420
LUMINOUS FLUX	8400 ... 71800

RELIABLE FLEXIBILITY



EXTENSION FUNCTIONS

The luminaire has a prepared hole on the electrical compartment for optional NEMA socket, photocell and shorting cap.

LATCHES

Tool-free access to the electrical compartment thanks to well latches design.



TILTED ADAPTER

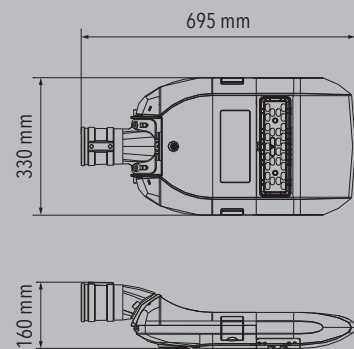
The luminaire features an unique adapter that suitable for poles with Ø40 ... Ø76 mm, tilt function for both side-entry and post-top installations.



DOLPHIN M1



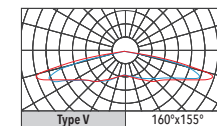
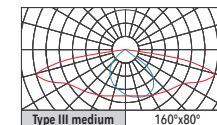
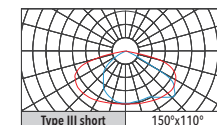
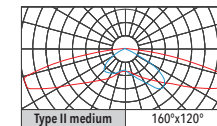
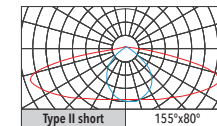
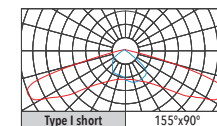
LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 7.2 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	1x LED module with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	60W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

PRODUCT CODES



1606W60.T1S.3070.04	28 LED	60W	8400lm	3000K
1606W60.T1S.4070.04	28 LED	60W	8800lm	4000K
1606W60.T1S.5070.04	28 LED	60W	9300lm	5000K
1606W60.T1S.5770.04	28 LED	60W	9800lm	5700K

1606W60.T2S.3070.04	28 LED	60W	8400lm	3000K
1606W60.T2S.4070.04	28 LED	60W	8800lm	4000K
1606W60.T2S.5070.04	28 LED	60W	9300lm	5000K
1606W60.T2S.5770.04	28 LED	60W	9800lm	5700K

1606W60.T2M.3070.04	28 LED	60W	8400lm	3000K
1606W60.T2M.4070.04	28 LED	60W	8800lm	4000K
1606W60.T2M.5070.04	28 LED	60W	9300lm	5000K
1606W60.T2M.5770.04	28 LED	60W	9800lm	5700K

1606W60.T3S.3070.04	28 LED	60W	8400lm	3000K
1606W60.T3S.4070.04	28 LED	60W	8800lm	4000K
1606W60.T3S.5070.04	28 LED	60W	9300lm	5000K
1606W60.T3S.5770.04	28 LED	60W	9800lm	5700K

1606W60.T3M.3070.04	28 LED	60W	8400lm	3000K
1606W60.T3M.4070.04	28 LED	60W	8800lm	4000K
1606W60.T3M.5070.04	28 LED	60W	9300lm	5000K
1606W60.T3M.5770.04	28 LED	60W	9800lm	5700K

1606W60.T5.3070.04	28 LED	60W	8400lm	3000K
1606W60.T5.4070.04	28 LED	60W	8800lm	4000K
1606W60.T5.5070.04	28 LED	60W	9300lm	5000K
1606W60.T5.5770.04	28 LED	60W	9800lm	5700K

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

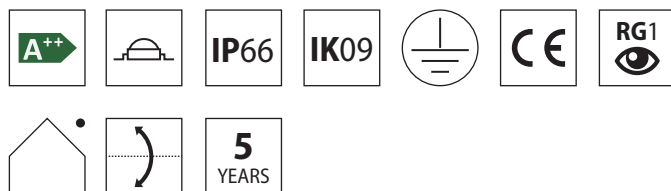


STANDARD ACCESSORIES

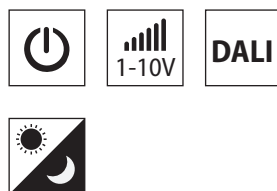
+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

* Example of complete code: **1606W60.T1S.3070.04+A50+03002**

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

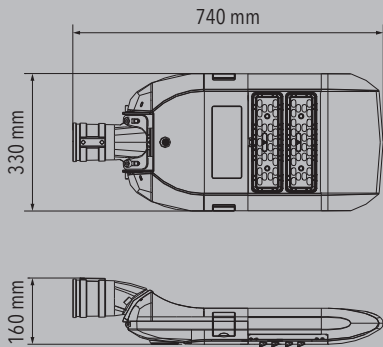
+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



DOLPHIN M2



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



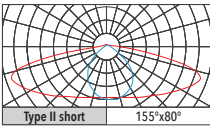
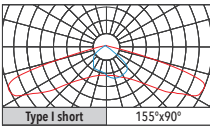
TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 8.4 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	2x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	120W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

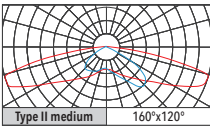
PRODUCT CODES



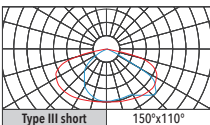
1606W120.T1S.3070.04	56 LED	120W	17600lm	3000K
1606W120.T1S.4070.04	56 LED	120W	18600lm	4000K
1606W120.T1S.5070.04	56 LED	120W	19500lm	5000K
1606W120.T1S.5770.04	56 LED	120W	20500lm	5700K



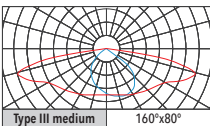
1606W120.T2S.3070.04	56 LED	120W	17600lm	3000K
1606W120.T2S.4070.04	56 LED	120W	18600lm	4000K
1606W120.T2S.5070.04	56 LED	120W	19500lm	5000K
1606W120.T2S.5770.04	56 LED	120W	20500lm	5700K



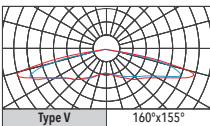
1606W120.T2M.3070.04	56 LED	120W	17600lm	3000K
1606W120.T2M.4070.04	56 LED	120W	18600lm	4000K
1606W120.T2M.5070.04	56 LED	120W	19500lm	5000K
1606W120.T2M.5770.04	56 LED	120W	20500lm	5700K



1606W120.T3S.3070.04	56 LED	120W	17600lm	3000K
1606W120.T3S.4070.04	56 LED	120W	18600lm	4000K
1606W120.T3S.5070.04	56 LED	120W	19500lm	5000K
1606W120.T3S.5770.04	56 LED	120W	20500lm	5700K



1606W120.T3M.3070.04	56 LED	120W	17600lm	3000K
1606W120.T3M.4070.04	56 LED	120W	18600lm	4000K
1606W120.T3M.5070.04	56 LED	120W	19500lm	5000K
1606W120.T3M.5770.04	56 LED	120W	20500lm	5700K



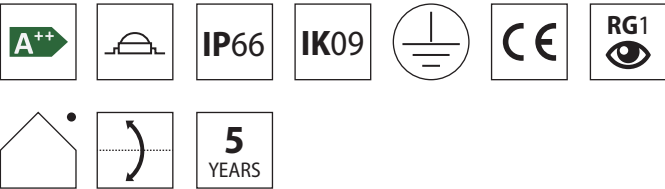
1606W120.T5.3070.04	56 LED	120W	17600lm	3000K
1606W120.T5.4070.04	56 LED	120W	18600lm	4000K
1606W120.T5.5070.04	56 LED	120W	19500lm	5000K
1606W120.T5.5770.04	56 LED	120W	20500lm	5700K

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

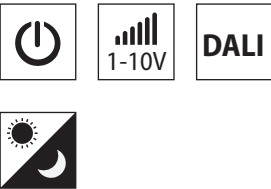
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

*Example of complete code: **1606W120.T1S.3070.04+A50+03002**

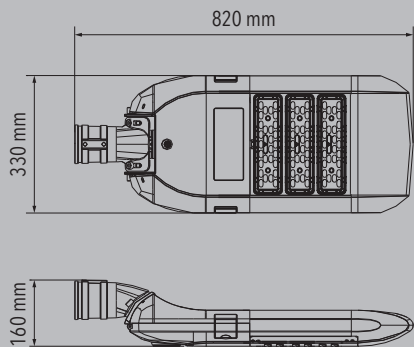




DOLPHIN M3



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



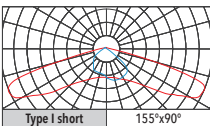
TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 9.6 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	3x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	180W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

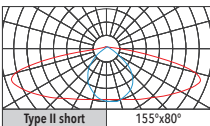
PRODUCT CODES



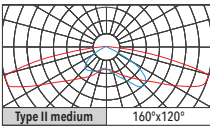
1606W180.T1S.3070.04	84 LED	180W	26400lm	3000K
1606W180.T1S.4070.04	84 LED	180W	27800lm	4000K
1606W180.T1S.5070.04	84 LED	180W	29300lm	5000K
1606W180.T1S.5770.04	84 LED	180W	30800lm	5700K



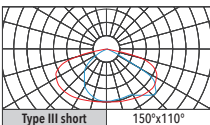
1606W180.T2S.3070.04	84 LED	180W	26400lm	3000K
1606W180.T2S.4070.04	84 LED	180W	27800lm	4000K
1606W180.T2S.5070.04	84 LED	180W	29300lm	5000K
1606W180.T2S.5770.04	84 LED	180W	30800lm	5700K



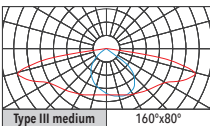
1606W180.T2M.3070.04	84 LED	180W	26400lm	3000K
1606W180.T2M.4070.04	84 LED	180W	27800lm	4000K
1606W180.T2M.5070.04	84 LED	180W	29300lm	5000K
1606W180.T2M.5770.04	84 LED	180W	30800lm	5700K



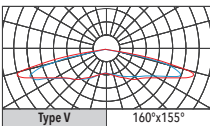
1606W180.T3S.3070.04	84 LED	180W	26400lm	3000K
1606W180.T3S.4070.04	84 LED	180W	27800lm	4000K
1606W180.T3S.5070.04	84 LED	180W	29300lm	5000K
1606W180.T3S.5770.04	84 LED	180W	30800lm	5700K



1606W180.T3M.3070.04	84 LED	180W	26400lm	3000K
1606W180.T3M.4070.04	84 LED	180W	27800lm	4000K
1606W180.T3M.5070.04	84 LED	180W	29300lm	5000K
1606W180.T3M.5770.04	84 LED	180W	30800lm	5700K



1606W180.T5.3070.04	84 LED	180W	26400lm	3000K
1606W180.T5.4070.04	84 LED	180W	27800lm	4000K
1606W180.T5.5070.04	84 LED	180W	29300lm	5000K
1606W180.T5.5770.04	84 LED	180W	30800lm	5700K

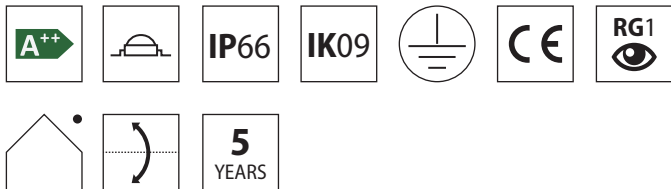


*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

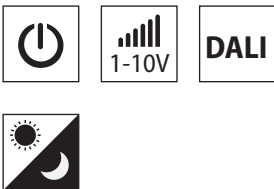
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

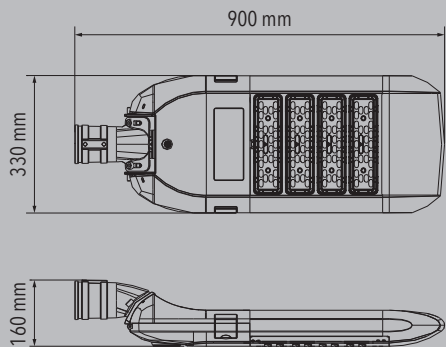
*Example of complete code: **1606W180.T1S.3070.04+A50+03002**



DOLPHIN M4



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



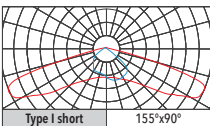
TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 10.8 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	4x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	240W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

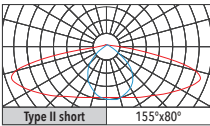
PRODUCT CODES



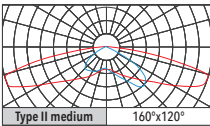
1606W240.T1S.3070.04	112 LED	240W	35300lm	3000K
1606W240.T1S.4070.04	112 LED	240W	37000lm	4000K
1606W240.T1S.5070.04	112 LED	240W	39100lm	5000K
1606W240.T1S.5770.04	112 LED	240W	41000lm	5700K



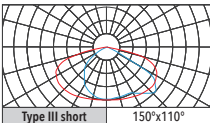
1606W240.T2S.3070.04	112 LED	240W	35300lm	3000K
1606W240.T2S.4070.04	112 LED	240W	37000lm	4000K
1606W240.T2S.5070.04	112 LED	240W	39100lm	5000K
1606W240.T2S.5770.04	112 LED	240W	41000lm	5700K



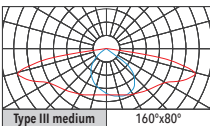
1606W240.T2M.3070.04	112 LED	240W	35300lm	3000K
1606W240.T2M.4070.04	112 LED	240W	37000lm	4000K
1606W240.T2M.5070.04	112 LED	240W	39100lm	5000K
1606W240.T2M.5770.04	112 LED	240W	41000lm	5700K



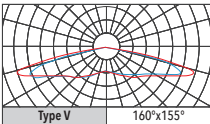
1606W240.T3S.3070.04	112 LED	240W	35300lm	3000K
1606W240.T3S.4070.04	112 LED	240W	37000lm	4000K
1606W240.T3S.5070.04	112 LED	240W	39100lm	5000K
1606W240.T3S.5770.04	112 LED	240W	41000lm	5700K



1606W240.T3M.3070.04	112 LED	240W	35300lm	3000K
1606W240.T3M.4070.04	112 LED	240W	37000lm	4000K
1606W240.T3M.5070.04	112 LED	240W	39100lm	5000K
1606W240.T3M.5770.04	112 LED	240W	41000lm	5700K



1606W240.T5.3070.04	112 LED	240W	35300lm	3000K
1606W240.T5.4070.04	112 LED	240W	37000lm	4000K
1606W240.T5.5070.04	112 LED	240W	39100lm	5000K
1606W240.T5.5770.04	112 LED	240W	41000lm	5700K

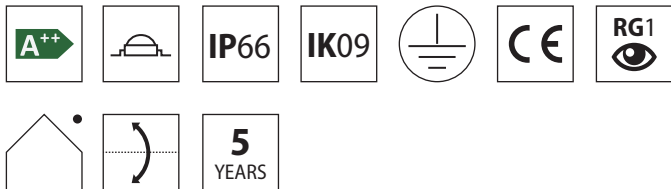


*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

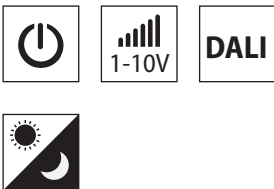
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

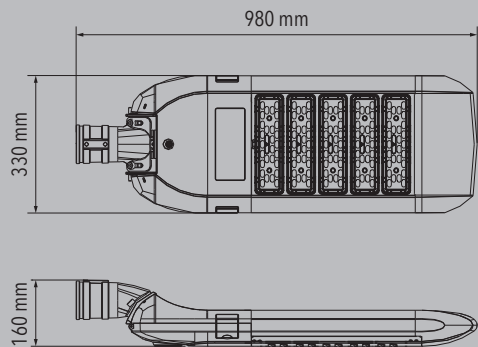
*Example of complete code: **1606W240.T1S.3070.04+A50+03002**



DOLPHIN M5



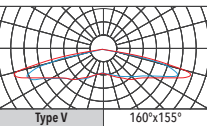
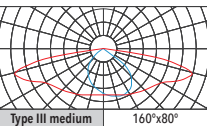
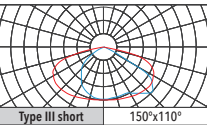
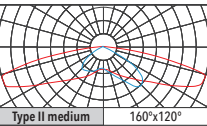
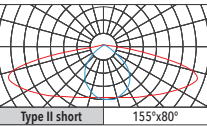
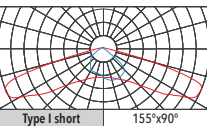
LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 12.0 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	5x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	300W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

PRODUCT CODES



1606W300.T1S.3070.04	140 LED	300W	44100lm	3000K
1606W300.T1S.4070.04	140 LED	300W	46400lm	4000K
1606W300.T1S.5070.04	140 LED	300W	48900lm	5000K
1606W300.T1S.5770.04	140 LED	300W	51300lm	5700K

1606W300.T2S.3070.04	140 LED	300W	44100lm	3000K
1606W300.T2S.4070.04	140 LED	300W	46400lm	4000K
1606W300.T2S.5070.04	140 LED	300W	48900lm	5000K
1606W300.T2S.5770.04	140 LED	300W	51300lm	5700K

1606W300.T2M.3070.04	140 LED	300W	44100lm	3000K
1606W300.T2M.4070.04	140 LED	300W	46400lm	4000K
1606W300.T2M.5070.04	140 LED	300W	48900lm	5000K
1606W300.T2M.5770.04	140 LED	300W	51300lm	5700K

1606W300.T3S.3070.04	140 LED	300W	44100lm	3000K
1606W300.T3S.4070.04	140 LED	300W	46400lm	4000K
1606W300.T3S.5070.04	140 LED	300W	48900lm	5000K
1606W300.T3S.5770.04	140 LED	300W	51300lm	5700K

1606W300.T3M.3070.04	140 LED	300W	44100lm	3000K
1606W300.T3M.4070.04	140 LED	300W	46400lm	4000K
1606W300.T3M.5070.04	140 LED	300W	48900lm	5000K
1606W300.T3M.5770.04	140 LED	300W	51300lm	5700K

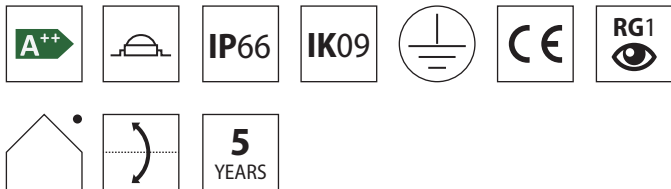
1606W300.T5.3070.04	140 LED	300W	44100lm	3000K
1606W300.T5.4070.04	140 LED	300W	46400lm	4000K
1606W300.T5.5070.04	140 LED	300W	48900lm	5000K
1606W300.T5.5770.04	140 LED	300W	51300lm	5700K

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

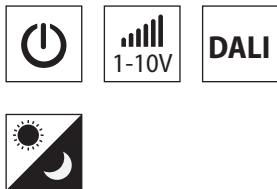
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

*Example of complete code: **1606W300.T1S.3070.04+A50+03002**

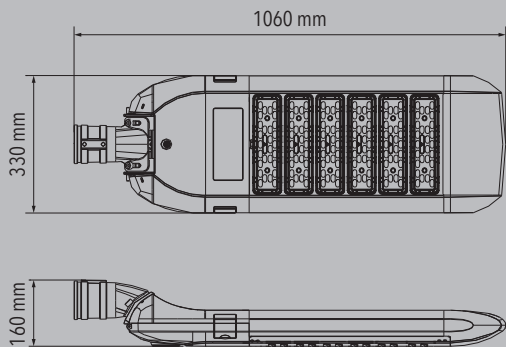




DOLPHIN M6



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



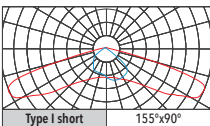
TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 13.2 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	6x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short Type II medium / Type III short Type III medium / Type V
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	360W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

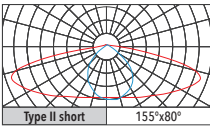
PRODUCT CODES



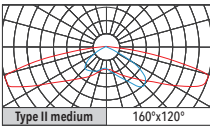
1606W360.T1S.3070.04	168 LED	360W	53000lm	3000K
1606W360.T1S.4070.04	168 LED	360W	55700lm	4000K
1606W360.T1S.5070.04	168 LED	360W	58600lm	5000K
1606W360.T1S.5770.04	168 LED	360W	61600lm	5700K



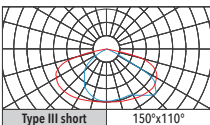
1606W360.T2S.3070.04	168 LED	360W	53000lm	3000K
1606W360.T2S.4070.04	168 LED	360W	55700lm	4000K
1606W360.T2S.5070.04	168 LED	360W	58600lm	5000K
1606W360.T2S.5770.04	168 LED	360W	61600lm	5700K



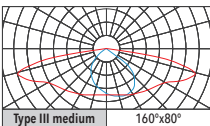
1606W360.T2M.3070.04	168 LED	360W	53000lm	3000K
1606W360.T2M.4070.04	168 LED	360W	55700lm	4000K
1606W360.T2M.5070.04	168 LED	360W	58600lm	5000K
1606W360.T2M.5770.04	168 LED	360W	61600lm	5700K



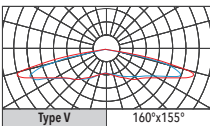
1606W360.T3S.3070.04	168 LED	360W	53000lm	3000K
1606W360.T3S.4070.04	168 LED	360W	55700lm	4000K
1606W360.T3S.5070.04	168 LED	360W	58600lm	5000K
1606W360.T3S.5770.04	168 LED	360W	61600lm	5700K



1606W360.T3M.3070.04	168 LED	360W	53000lm	3000K
1606W360.T3M.4070.04	168 LED	360W	55700lm	4000K
1606W360.T3M.5070.04	168 LED	360W	58600lm	5000K
1606W360.T3M.5770.04	168 LED	360W	61600lm	5700K



1606W360.T5.3070.04	168 LED	360W	53000lm	3000K
1606W360.T5.4070.04	168 LED	360W	55700lm	4000K
1606W360.T5.5070.04	168 LED	360W	58600lm	5000K
1606W360.T5.5770.04	168 LED	360W	61600lm	5700K

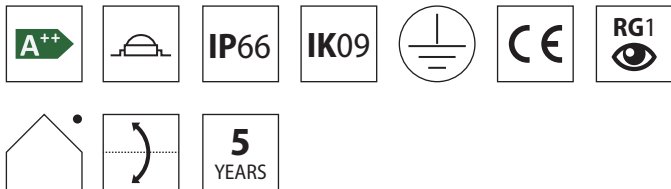


*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

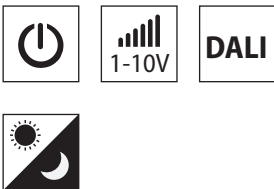
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

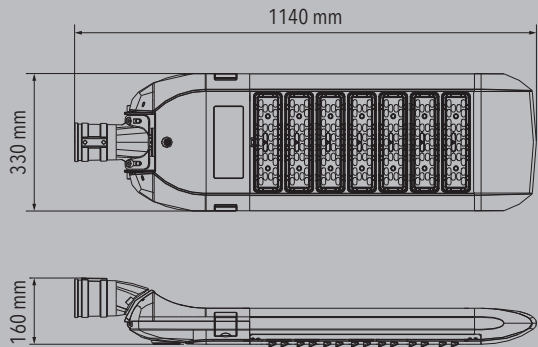
*Example of complete code: **1606W360.T1S.3070.04+A50+03002**



DOLPHIN M7



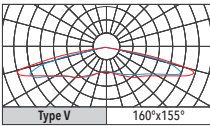
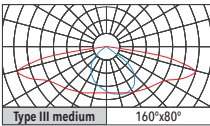
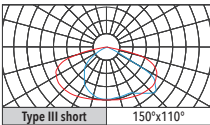
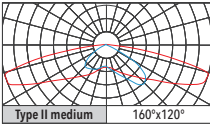
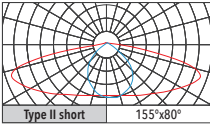
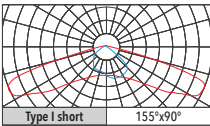
LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



TECHNICAL SPECIFICATIONS

LUMINAIRE BODY	
Material	Die-cast aluminum
Finsihing process	Powder coated
Standard colour	Grey
Mounting type	Side-entry / post-top
Adjustability	90° [in 5° step]
Net weight	Approx. 14.4 kg
Protection class	IP66
Cover	Tempered glass
Impact resistance	IK09
PHOTOMETRICAL DATA	
Light source type	7x LED modules with 5050 LED
Optic material	Polycarbonate lens
Optic type	Asymmetrical / symmetrical
Light distributions	Type I short / Type II short
	Type II medium / Type III short
	Type III medium / Type V
	3000K / 4000K / 5000K / 5700K
CCT	3000K / 4000K / 5000K / 5700K
Luminous efficacy	160 lm/W
SDCM	≤5
CRI	≥70
Photobiological risk	RG1
ELECTRICAL DATA	
Power supply	Built-in LED driver
Protection class IEC	Safety class I
Input voltage	100-240VAC 50/60 Hz
Wattage	420W
Power factor	>0.95
Surge protection	10 kV line-earth
Standard control	1-10V
INSTALLATION	
Environment	Outdoor
Application areas	Traffic routes and main access roads, city centersand main streets, highways, urban and residential areas, public areas
Operating temperature	-40°C ... +50 °C
Operating humidity	10% ... 90%
Type of connection	Cable [3-pole]
CAPABILITIES	
Lifespan	50,000 hours
LED module replaceable	Yes
Optional control	DALI, ON/OFF, Photocell

PRODUCT CODES



1606W420.T1S.3070.04	196 LED	420W	61700lm	3000K
1606W420.T1S.4070.04	196 LED	420W	65000lm	4000K
1606W420.T1S.5070.04	196 LED	420W	68400lm	5000K
1606W420.T1S.5770.04	196 LED	420W	71800lm	5700K

1606W420.T2S.3070.04	196 LED	420W	61700lm	3000K
1606W420.T2S.4070.04	196 LED	420W	65000lm	4000K
1606W420.T2S.5070.04	196 LED	420W	68400lm	5000K
1606W420.T2S.5770.04	196 LED	420W	71800lm	5700K

1606W420.T2M.3070.04	196 LED	420W	61700lm	3000K
1606W420.T2M.4070.04	196 LED	420W	65000lm	4000K
1606W420.T2M.5070.04	196 LED	420W	68400lm	5000K
1606W420.T2M.5770.04	196 LED	420W	71800lm	5700K

1606W420.T3S.3070.04	196 LED	420W	61700lm	3000K
1606W420.T3S.4070.04	196 LED	420W	65000lm	4000K
1606W420.T3S.5070.04	196 LED	420W	68400lm	5000K
1606W420.T3S.5770.04	196 LED	420W	71800lm	5700K

1606W420.T3M.3070.04	196 LED	420W	61700lm	3000K
1606W420.T3M.4070.04	196 LED	420W	65000lm	4000K
1606W420.T3M.5070.04	196 LED	420W	68400lm	5000K
1606W420.T3M.5770.04	196 LED	420W	71800lm	5700K

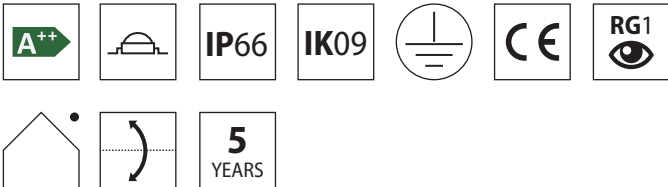
1606W420.T5.3070.04	196 LED	420W	61700lm	3000K
1606W420.T5.4070.04	196 LED	420W	65000lm	4000K
1606W420.T5.5070.04	196 LED	420W	68400lm	5000K
1606W420.T5.5770.04	196 LED	420W	71800lm	5700K

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

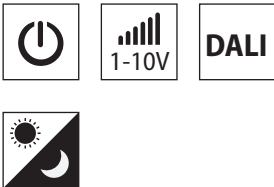
Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

FEATURES



CONTROL



COLOURS



OPTIONAL ACCESSORIES

+03002	On/off
+03010	DALI dimmable
+00250	Photocell
+00260	Shorting cap
+00313	NEMA 3-PIN [non-dimmable]
+00315	NEMA 5-PIN [1-10V dimmable]
+00317	NEMA 7-PIN [DALI dimmable]



STANDARD ACCESSORIES

+A50	Adapter for pole Ø40 ... Ø50mm, depth 90mm
+A60	Adapter for pole Ø55 ... Ø65mm, depth 100mm
+A70	Adapter for pole Ø66 ... Ø76mm, depth 100mm

*Example of complete code: 1606W420.T1S.3070.04+A50+03002

