Streetex

- Zone 1, 2, 21, 22
- Savings on energy costs, maintenance and installation
- Immediate high-intensity activation
- Visual comfort
- Durable and safe over time

Various installation options

Version with direct vertical pole mount

Version with direct horizontal pole mount

Version with mounting bracket and cable entry with cable gland

STREETEX Series LED street lighting fixtures

STREETEX series LED lighting fixtures are suitable for outdoor and perimeter street lighting of industrial areas, especially for the chemical and petrochemical, on-shore and off-shore sectors as it is certified for installation in Zone 1, 2, 21, 22 and in accordance with Directive 2014/34/EU. An essential feature for road safety, STREETEX street lighting fixtures provide the lighting needed to ensure adequate visibility during night time or low-light conditions in all those areas where low- and medium-power discharge lighting fixtures were generally installed.
The STREETEX series is available in two sizes and features a finned body, made of aluminium alloy that acts as an excellent heat sink. Designed following the specific requirements of street lighting, STREETEX can be supplied in versions with direct horizontal/vertical pole mount or with a mounting bracket and cable gland. Different types of optics can also be installed directly on the LED plate. Optics is a crucial part of street lighting as it determines the direction of light on the road surface according to different requirements: light concentrated in a specific direction or evenly diffused light.
Efficient and functional especially in terms of installation and maintenance operations, STREETEX street lighting fixtures stand out for their exceptional energy efficiency in addition to a substantial reduction in product maintenance.

Sectors of application:

Petroleum refineries | Chemical and petrochemical facilities | Anti-light pollution | Offshore facilities | Onshore facilities | Perimeter zone lighting | Petroleum loading/unloading pontoons | 100% produced by Cortem

CERTIFICATE DATA

Classification:	Group II	Category 2GD/3G	
Installation: EN 60079.14	zone 1, 2, 21, 22 *STREETEX-ME*	zone 2, 21, 22 *STREETEX-MN*	
Marking:	CE 0722 Ex II 2GD - Ex eb mb IIC T.. Gb - Ex tb IIIC T..°C Db - IP66		*STREETEX-ME*
	CE Ex II 3G - Ex nR IIC T.. Gc		*STREETEX-MN*
Certificate:	ATEX CML 23 ATEX 3195X		*STREETEX-ME*
	ATEX CML 23 ATEX 4196X		*STREETEX-MN*
	IEC Ex CML 23.0069X	For all certification data IEC Ex and UKEX download the certificate from www.cortemgroup.com	
	UKEX AVAILABLE		
	ECASEx AVAILABLE		
Standards:	CENELEC EN60079-0: 2018, EN60079-7: 2015+A1:2018, EN60079-31: 2014, EN60079-18: 2015+A1:2017/2019 and EUROPEAN DIRECTIVE 2014/34/UE. IEC60079-0: 2017, IEC60079-7: 2017, IEC60079-15: 2017, IEC 60079-18: 2017, IEC60079-31: 2013		
Temperature class:	For all permitted ambient temperature classes, please see the "Selection tables"		
Temp. Temperature:	-60 °C +60 °C -50°C +60°C (*With DALI system*)	For all permitted ambient temperature ranges, please see the "Selection tables"	
Degree of protection:	IP66		

STREETEX Series LED street lighting fixtures

For more information on electrical connectors

ORIGINAL PRODUCT

NO PHOTOBIOLOGICAL RISK (IEC / EN 62471 STANDARD)

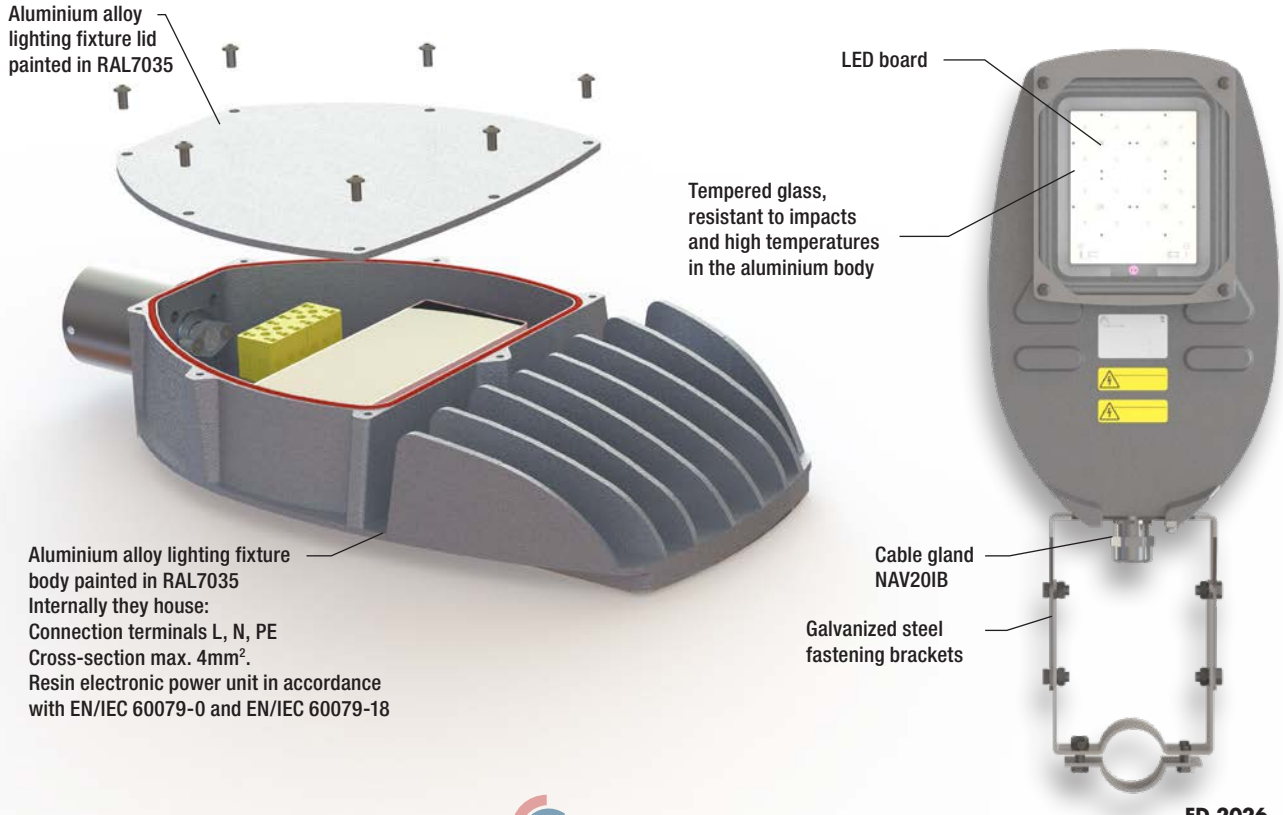
MECHANICAL FEATURES

Body:	Aluminium alloy with low copper content. With cooling fins for efficient heat dissipation
Front glass:	Tempered glass, resistant to high temperatures and shocks
Gaskets:	Silicone resistant to acids, hydrocarbons and high temperatures
Fastening bracket:	Galvanized steel
Screws:	Stainless steel
Entry points:	1 entry point Ø1 1/2" for version with direct pole mount 1 entry point M20 complete with NAV20IB cable gland for version with mounting bracket
Coating:	Polyester RAL 7035 (Light grey)
Corrosion Resistance:	The STANDARD of the aluminium alloy used by Cortem has passed the tests required by the Standard EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

ACCESSORIES ON REQUEST / SPECIAL REQUESTS

Lighting fixture fastening bracket in AISI 304 or AISI 316L steel
DALI dimming compliant with IEC62386-101 (2.0 version) and IEC62386-207 (1.0 version) standards
Poles with different diameters and lengths complete with junction box attached to pole base

STREETEX-..-080.. LIGHTING FIXTURE IN DETAIL

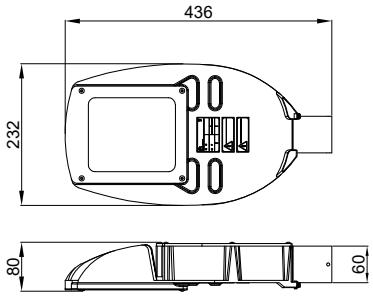


STREETEX series selection table

	Code	Real power Watt	Rated power Watt	Temperature class / Maximum surface temperature				Lumen lm	Light intensity cd	Overall efficiency Lm/W
				TA=+40°C	TA=+50°C	TA=+55°C	TA=+60°C			
Zone 1, 2, 21, 22	STREETEX-ME-080025...	26	25	T5/93°C	T4/103°C	T4/108°C	T4/113°C	3432	1079	132
	STREETEX-ME-080050...	52	50	T5/93°C	T4/103°C	T4/108°C	T4/113°C	6865	2159	132
	STREETEX-ME-080075...	78	75	T5/93°C	T4/103°C	T4/108°C	T4/113°C	10300	3238	132
	STREETEX-ME-080100...	95	100	T5/93°C	T4/103°C	T4/108°C	T4/113°C	12480	3973	131
	STREETEX-ME-100200...	194	200	T5/92°C	T4/102°C	T4/107°C	T4/112°C	24503	7744	126
Zone 2, 21, 22	STREETEX-MN-080025...	26	25	T5/93°C	T4/103°C	T4/108°C	T4/113°C	3432	1079	132
	STREETEX-MN-080050...	52	50	T5/93°C	T4/103°C	T4/108°C	T4/113°C	6865	2159	132
	STREETEX-MN-080075...	78	75	T5/93°C	T4/103°C	T4/108°C	T4/113°C	10300	3238	132
	STREETEX-MN-080100...	95	100	T5/93°C	T4/103°C	T4/108°C	T4/113°C	12480	3973	131
	STREETEX-MN-100200...	194	200	T5/92°C	T4/102°C	T4/107°C	T4/112°C	24503	7744	126

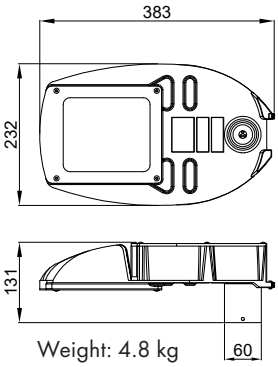
Dimensional drawings

STREETEX-..-080...T



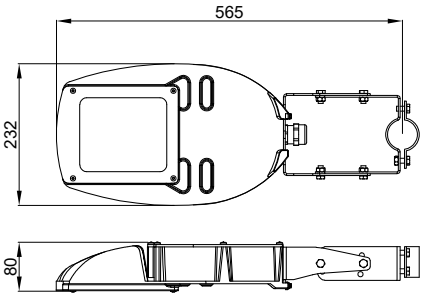
Weight: 4.8 kg
Packaging: 245x195x710

STREETEX-..-080...IX



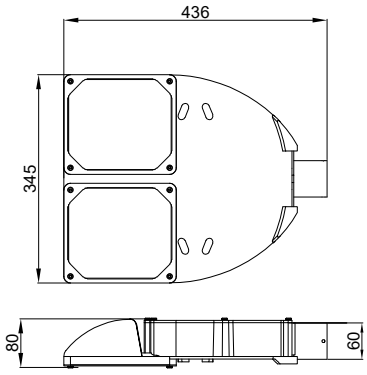
Weight: 4.8 kg
Packaging: 245x195x710

STREETEX-..-080...



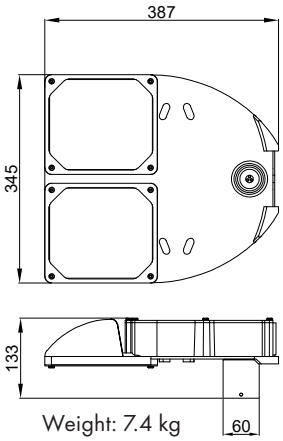
Weight: 5.7 kg
Packaging: 245x195x710

STREETEX-..-100...T



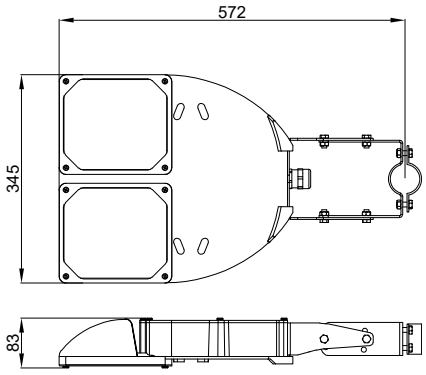
Weight: 7.4 kg
Packaging: 360x195x710

STREETEX-..-100...IX



Weight: 7.4 kg
Packaging: 360x195x710

STREETEX-..-100...



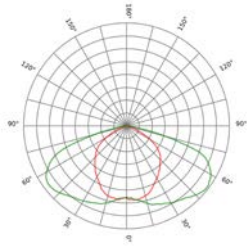
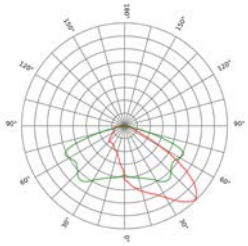
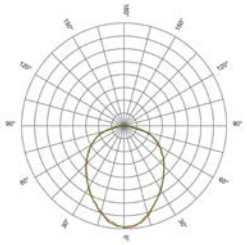
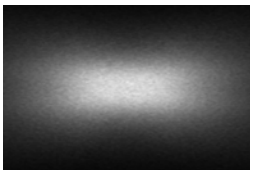
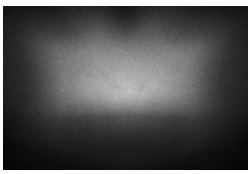
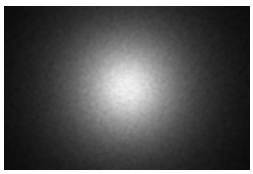
Weight: 8.3 Kg
Packaging: 360x195x710

Dimensions in mm

STREETEX Series LED street lighting fixtures

Electrical features	STREETEX-..080..	STREETEX-..100..
Supply voltage:	100 or 120-277 Vac	100 or 120-277 Vac
Rated frequency:	50-60 Hz ±5%	50-60 Hz ±5%
Lamp power consumption*: ** Test performed at 230 Vac*	**..025** 25 W	**..200** 200 W
	..050 50 W	-
	..075 75 W	-
	..100 100 W	-
Connection:	Cable entry directly to the terminal board L, N, PE. Max. cross-section 4 mm^2	
Power factor:	>0.95	>0.95
Rated current:	**..025** 117 mA	**..200** 860 mA
	..050 233 mA	-
	..075 350 mA	-
	..100 420 mA	-
EMC (electromagnetic compatibility):	EN 55015, EN 61547, IEC 61000-3-2, IEC 61000-3-3	
THD (Total Harmonic Distortion):	THD: <10% (<8% for 230VAC)	
Over-voltage protection:	4 kV	4 kV
Driver performance levels:	Over-Voltage Protection, Over-Current Protection, Short-Circuit Protection	
Dimming:	(0-10 V) or PWM or resistor	(0-10 V) or PWM or resistor
Photometric features		
Multichip LED:	High power LED	High power LED
Colour temperature:	5700 K	5700 K
CRI:	>70	>70
Instant Restrike:	YES	YES

Available optical features

Classification	IESNA /I	IESNA /III	IESNA /V
Photometrics			
Light distribution			
Light beam (beam)	• Full angle at 50% from the maximum point: ~ 115°x 155° • Full angle at 10% from the maximum point: ~ 140°x 160°	• Full angle at 50% from the maximum point: ~ 125°x 60° • Full angle at 10% from the maximum point: ~ 150°x 125°	• Full angle at 50% from the maximum point: ~ 90° • Full angle at 10% from the maximum point: ~ 160°
Description	Type I: extensive and symmetrical linear irradiation, with a large amount of light on both sides of the fixture. The width of the Type I light will be equal to the mounting height of the fixture.	Tipo III: oval irradiation with greater intensity at the front. The width of the Type III light is approximately 2.75 times wider than the mounting height of the fixture.	Type V: Circular irradiation, equal and uniform on all sides symmetrically, fixtures intended for installation in the centre of large areas to be illuminated

ORDER CODE LOGIC

SREETEX-M [ ][ ][ ] - [ ][ ][ ]

STREETEX-M Fixed code

Installation zone
ME Zone 1, 2, 21, 22
MN Zone 2, 21, 22

Lighting fixture size
080 Dimensions for 25W, 50W, 75W, 100W
100 Dimensions for 200W

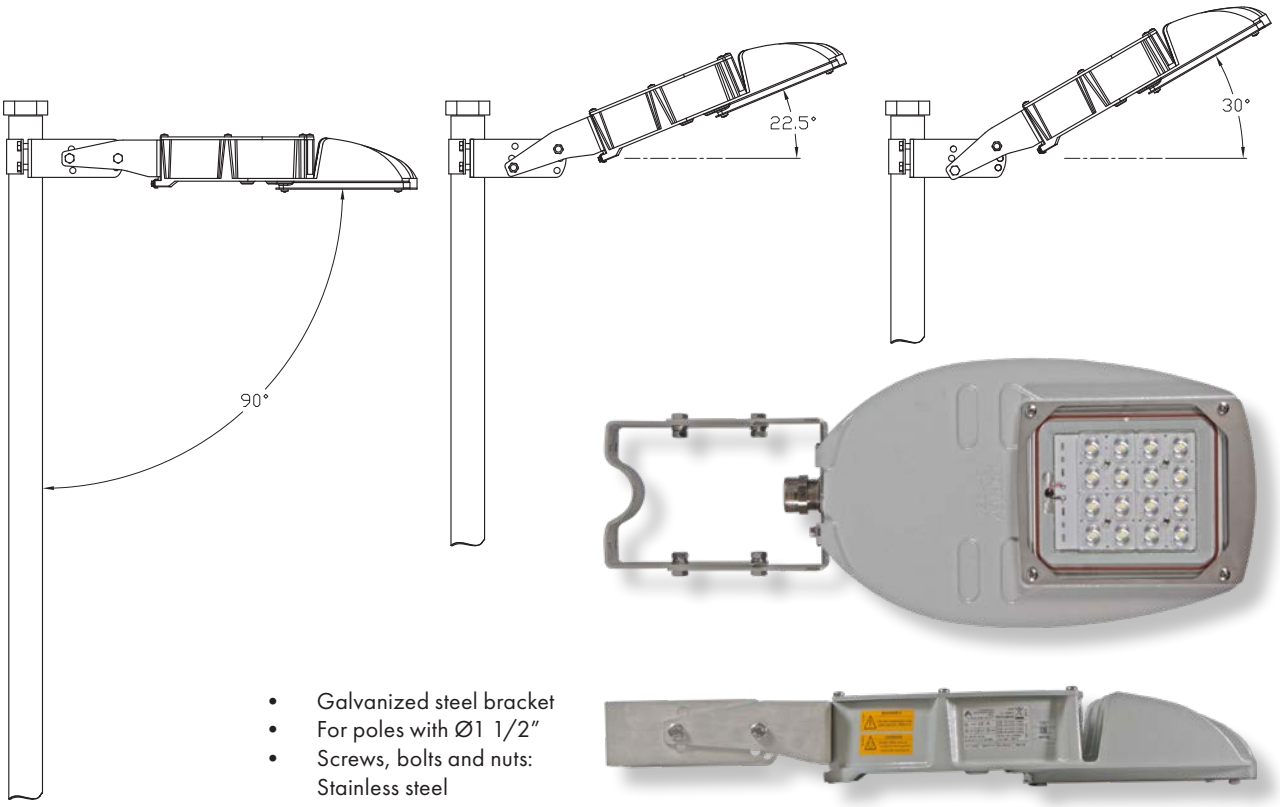
Lighting fixture power
25 for 25W
50 for 50W,
75 for 75W
100 for 100W
200 for 200W

n.a. No dimmable
D Dimmable
DALI Dimming DALI

Fixing type
n.d. Galvanized steel bracket
T Horizontal pole connection
IX Vertical pole connection

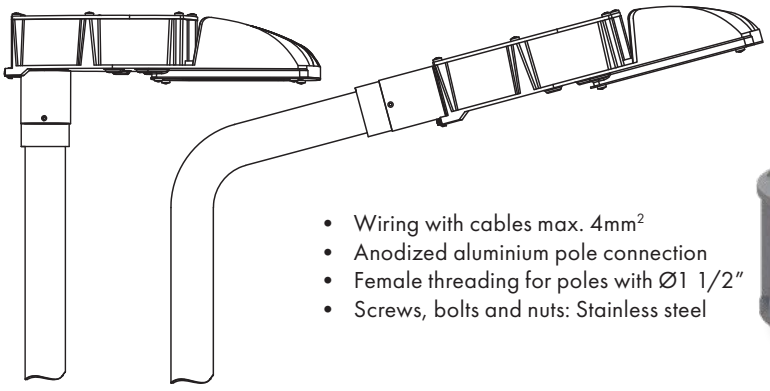
Available optics (IESNA classification)
n.d. std. IESNA /I
/III std. IESNA /III
/V std. IESNA /V

Pole installation system with bracket



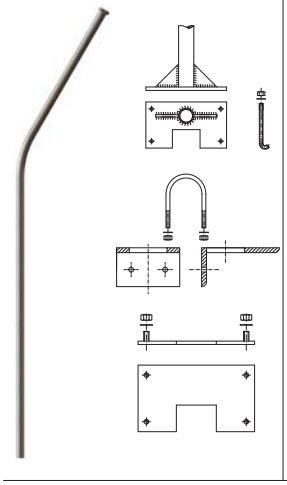
- Galvanized steel bracket
- For poles with Ø1 1/2"
- Screws, bolts and nuts: Stainless steel

Installation systems with direct pole connection



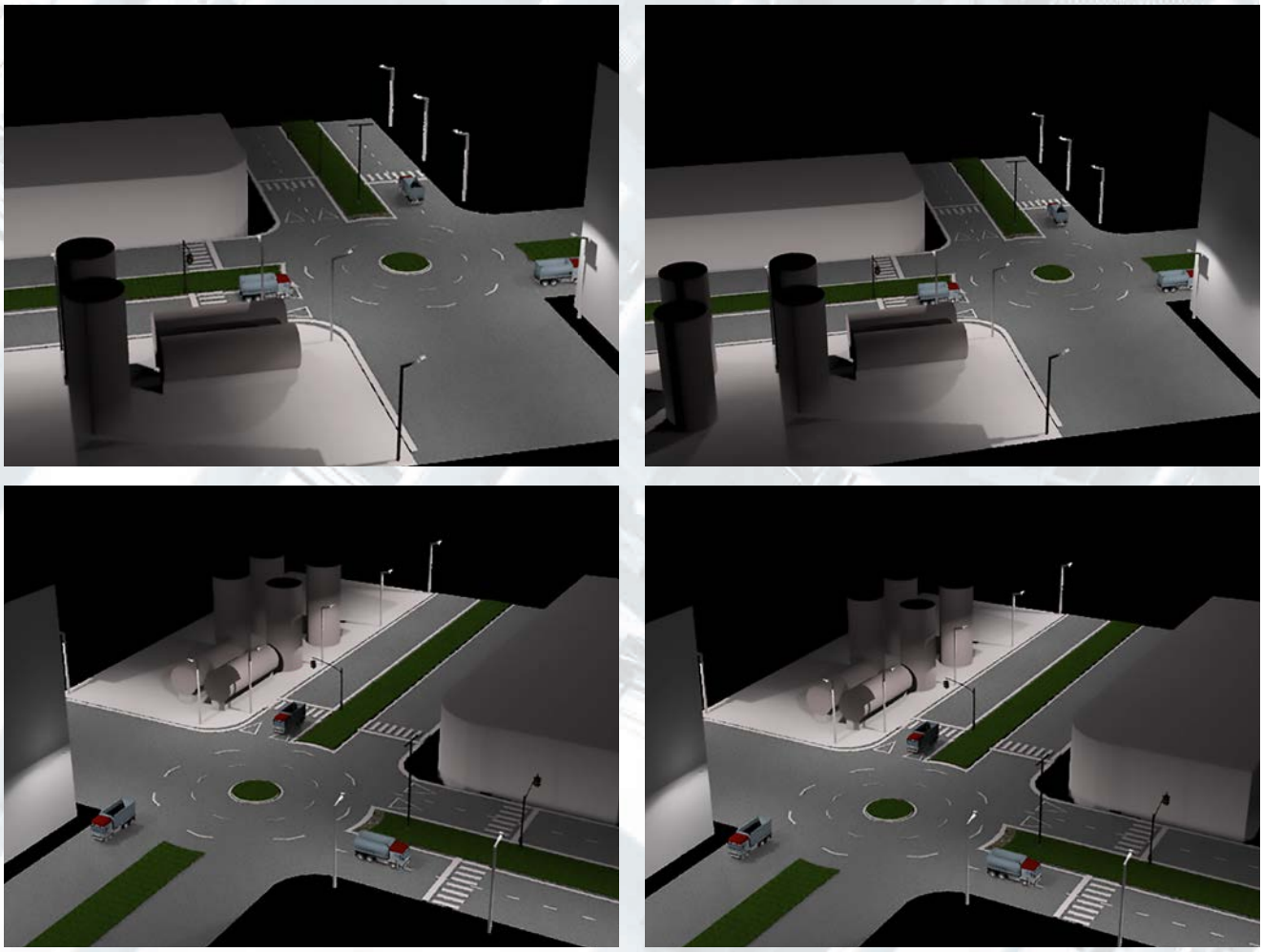
- Wiring with cables max. 4mm²
- Anodized aluminium pole connection
- Female threading for poles with Ø1 1/2"
- Screws, bolts and nuts: Stainless steel

STREETEX Series LED street lighting fixtures

ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	Resin electronic power unit	STREETEX-ME-080025...	100 or 120-277 Vac	**EBM-50C/1000**	SPARE PART
		STREETEX-ME-080050...		**EBM-75C/475**	
		STREETEX-ME-080075...		**EBM-75C/700**	
		STREETEX-ME-080100...		**EBM-100C/920**	
		STREETEX-ME-100200...		**EBM-240C/1820**	
	Electronic power unit	STREETEX-MN-080025...	100 or 120-277 Vac	**LEXD-50C/1000**	SPARE PART
		STREETEX-MN-080050...		**LEDDEVL070/1/4**	
		STREETEX-MN-080075...		**LEDDEVL070/1**	
		STREETEX-MN-080100...		**LEDDEVL080/4/4**	
		STREETEX-MN-100200...		**LEXD-240C/1820**	
	Adjustable pole mounting bracket	For Ø1 1/2" poles	Galvanized steel	**G-0716**	SPARE PART
		For Ø2" poles		**G-0716/1**	
	Internal cable gland with cable sealing ring	STREETEX-M...-T STREETEX-M...-IX	Aluminium cable clamp body complete with sealing rings for 3 or 6 cables of max. 4mm²	**G-0713**	SPARE PART
	Cable gland for non-armoured cable	STREETEX-M... (version with bracket)	std. cable range 11-20	**NAV25IB**	SPARE PART
	Electrical connectors	STREETEX-M... (version with bracket)	For models and codes, visit www.cortemgroup.com	**FASTEX...**	ACCESSORIO RICAMBIO
	Junction box at pole base complete with terminals for cable connection	STREETEX-M...	For selection of junction boxes and electrical fittings, see www.cortemgroup.com		ACCESSORY SPARE PART
	Poles for different light point heights and different installation types (base plate with counter plate and anchor bolts, on structure with UBD, with counter plate for base plate mounting, etc.)	STREETEX-M...	Material: hot-dip galvanized steel	For more information, please contact the sales department	ACCESSORY SPARE PART

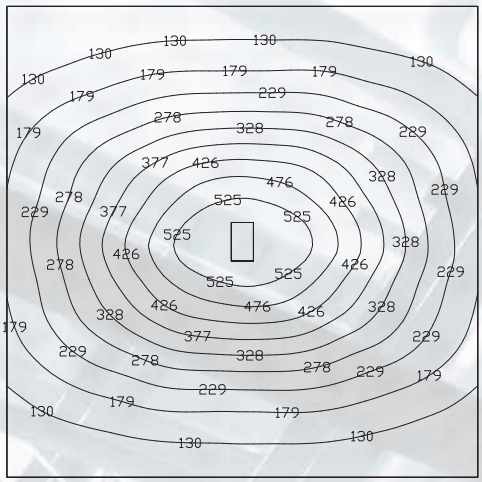
Example of photometric study

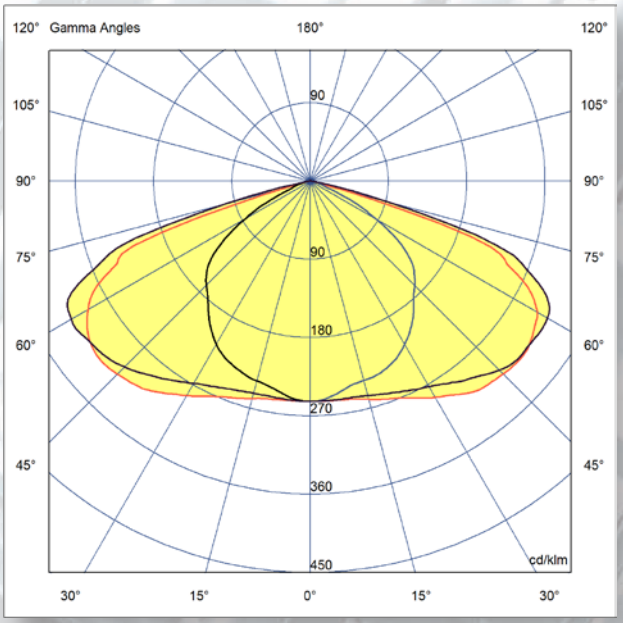
STREETEX-MN-100200 Street lighting fixtures installed on pole and wall.



Examples of outdoor installation-street and perimeter lighting on the basis of customer requirements.

Floor lighting relating to **STREETEX-ME-080100** expressed in lux in a 5m x 5m room with fixture in the centre, at a height of **3 m**.





The lighting solution files for the design, planning and simulation of lighting levels in 2D-3D, rendering and ray-tracing are available from www.cortemgroup.com.

= level 90270

= level 0180