

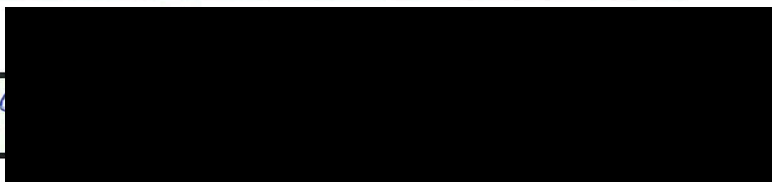


Príloha č. 2 - Návrh na plnenie kritéria

Obchodné meno uchádzača:	Yunex, s.r.o.
Sídlo uchádzača:	Lamačská cesta 3/A, 841 04 Bratislava
štatutárny zástupca:	Ing. Branislav Voška - konateľ, Ing. Stanislav Vanek - konateľ
IČO:	53684141
IČ DPH:	SK2121480361
Telefónne číslo:	
E-mailová adresa:	
Daňový stav:	platca DPH

Cena celkom za celý predmet	DPH	Cena celkom za celý predmet
345 511,87	69 102,37	414 614,24

V Bratislave	dňa 7.10.2021
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Príloha: Výkaz výmer
 Stavba: Rekonštrukcia VO - Cesta na Kamzík
 Objekt: SO-01 Cesta na Kamzík

Dátum: 26.8.2021

P.Č.	Skrátený popis	Výmera	MJ	Cena jednotková	Cena celkom	Poznámka
01 Zemné práce						
0101	Výkop a zásyp ryhy 35x80cm (š x h) v teréne so spätnou úpravou vrátane zatrávnenia/asfaltovania	1755	m	36,50 €	64 057,50 €	
0102	Výkop stožiarovej jamy	76	m3	61,00 €	4 636,00 €	
0103	Zhotovenie stožiarového základu pre stožiar do výšky 6m, zhutnenie kvôli umiestneniu vo svahu	76	ks	115,30 €	8 762,80 €	
0104	Pretlak pod komunikáciou - výkop štartovacej a cieľovej jamy	15	m3	68,50 €	1 027,50 €	
0105	Pretlak pod komunikáciou - vrátane chráničky d=110mm	50	m	110,00 €	5 500,00 €	
0198	Podiel pridružených výkonov	5	%	839,84 €	4 199,19 €	
0199	Podružný materiál	5	%	839,84 €	4 199,19 €	
Spolu:					92 382,18 €	bez DPH
02 Demontážne práce						
0201	Demontáž svetidla do výšky 6m	60	ks	17,50 €	1 050,00 €	
0202	Demontáž stožiara do výšky 6m, vrátane betónového lôžka	60	ks	135,00 €	8 100,00 €	
0299	Podiel pridružených výkonov	5	%	91,50 €	457,50 €	
Spolu:					9 607,50 €	bez DPH
03 Montážne práce						
0301	Montáž - kábel CYKY-J 3x1,5 - napojenie svetidla zo stožiarovej svorkovnice	460	m	0,50 €	230,00 €	
0302	Montáž - kábel CYKY-J 4x10 - zatiahnutie do chráničky	2175	m	1,55 €	3 371,25 €	
0303	Montáž - pásovina FeZn 30x4 vrátane pokládky do výkopu, realizácie spojov vrátane ich izolácie	1755	m	1,35 €	2 369,25 €	
0304	Montáž - guľatina FeZn d=10mm vrátane pokládky pripojenia k pásovine a ku stožiaru, realizácie spojov vrátane ich izolácie, izolácia prestupu zem-vzduch	95	m	1,52 €	144,40 €	
0305	Zabitie zemniacej tyče, vrch tyče na dne výkopu, zhotovenie napojenia na zemniacu sústavu	16	ks	12,50 €	200,00 €	
0306	Pokládka chráničky plastovej d=63mm	2175	m	1,85 €	4 023,75 €	
0307	Pokládka multirúry DB 5x12/8mm	1755	m	1,55 €	2 720,25 €	
0308	Pokládka výstražnej fólie	1755	m	0,75 €	1 316,25 €	
0309	Montáž svorkovnice stožiarovej, pripojenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	76	ks	16,50 €	1 254,00 €	
0310	Montáž stožiara do výšky 4m	3	ks	65,80 €	197,40 €	
0311	Montáž stožiara do výšky 6m	73	ks	95,50 €	6 971,50 €	
0312	Príprava uchytenia pre reflektor - montáž na oceľový stožiar	1	ks	31,26 €	31,26 €	
0313	Odborné odskúšanie a kompletizácia svetidla pred montážou	77	ks	9,50 €	731,50 €	
0314	Montáž svetidla do výšky 6m	77	ks	12,85 €	989,45 €	
0315	Zaizolovanie vývodu ponechaného v teréne.	4	ks	4,58 €	18,32 €	
0399	Podiel pridružených výkonov	5	%	245,69 €	1 228,43 €	
Spolu:					25 797,01 €	bez DPH
04 Materiál						
0401	Kábel CYKY-J 3x1,5	460	m	1,05 €	483,00 €	
0402	Kábel CYKY-J 4x10	2175	m	6,95 €	15 116,25 €	
0403	Uzemňovacia pásovina 30x4 - Fe/Zn - (1kg/1,06m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov	1880	m	4,02 €	7 557,60 €	
0404	Uzemňovacia guľatina d=10mm - Fe/Zn - (1kg/1,6m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov a prestupu zem-vzduch	95	m	3,01 €	285,95 €	
0405	Zemniaca tyč 2,5m, vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov.	16	ks	22,84 €	365,44 €	
0406	Chránička ohybná plastová d=63mm	2175	m	1,68 €	3 654,00 €	
0407	Multirúra DB 5x12/8mm	1755	m	4,15 €	7 283,25 €	
0408	Výstražná fólia blesk	1755	m	0,15 €	263,25 €	
0409	Stožiarová svorkovnica typ GURO EKM 2072-2D2 vrátane poistiek, montáž svorkovnice stožiarovej, pripojenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	76	ks	25,75 €	1 957,00 €	
0410	Stožiar oceľový kužeľový výšky 4m typ podľa špecifikácie zariadení, vrátane pripojovacej svorky pre uzemňovaciu sústavu	3	ks	295,24 €	885,72 €	
0411	Stožiar oceľový kužeľový výšky 6m typ podľa špecifikácie zariadení, vrátane pripojovacej svorky pre uzemňovaciu sústavu	73	ks	352,80 €	25 754,40 €	
0412	Svetidlo LED typ L1 podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	20	ks	594,30 €	11 886,00 €	
0413	Svetidlo LED typ L3 s krivkou ST1.2a podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	53	ks	556,68 €	29 504,04 €	
0414	Svetidlo LED typ L3 s krivkou P1.0a podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	3	ks	530,52 €	1 591,56 €	
0415	Reflektor LED typ R1 so rotačne symetrickou krivkou svetivosti podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na driek stožiara.	1	ks	630,15 €	630,15 €	
0499	Podružný materiál	5	%	1 072,18 €	5 360,88 €	

Spolu: 112 578,49 € bez DPH

05 Iné práce

0501	Vypracovanie POD, prerokovanie a schválenie operatívnej dopravnej komisi	1	kpl	500,00 €	500,00 €
0502	Predrealizačné vytýčenie inžinierskych sietí	1	kpl	750,00 €	750,00 €
0503	Projektový manažment, inžiniering	1	kpl	1 000,00 €	1 000,00 €
0504	Východisková revízia	1	kpl	1 200,00 €	1 200,00 €
0505	Dokumentácia skutočného vyhotovenia - Zanesenie do technickej evidencie vrátane technickej mapy mesta	1	kpl	1 100,00 €	1 100,00 €
0506	Geodetické zameranie svetelných miest vrátane káblových vedení	1	kpl	1 500,00 €	1 500,00 €
0599	Podiel pridružených výkonov	5	%	60,50 €	302,50 €
Spolu:				6 352,50 €	

Rekapitulácia

01	Zemné práce			92 382,18 €	bez DPH
02	Demontážne práce			9 607,50 €	bez DPH
03	Montážne práce			25 797,01 €	bez DPH
04	Materiál			112 578,49 €	bez DPH
05	Iné práce			6 352,50 €	bez DPH

Celkom 246 717,68 € bez DPH

Príloha: Výkaz výmer
 Stavba: Rekonštrukcia VO - Cesta na Kamzík
 Objekt: SO-02 Pod Kamzíkom

Dátum: 26.8.2021

P.Č.	Skrátený popis	Výmera	MJ	Cena jednotková	Cena celkom	Poznámka
02 Demontážne práce						
0201	Demontáž svetidla do výšky 6m	23	ks	17,50 €	402,50 €	
0299	Podiel pridružených výkonov	5	%	4,03 €	20,13 €	
				Spolu:	422,63 €	bez DPH
03 Montážne práce						
0301	Montáž - kábel CYKY-J 3x1,5 - napojenie svetidla zo stožiarovej svorkovnice	150	m	0,50 €	75,00 €	
0302	Montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	1	ks	16,50 €	16,50 €	
0303	Vyrovnanie oceľového stožiara do výšky 6m	1	ks	95,50 €	95,50 €	
0304	Montáž 2-ramenného výložníka do výšky 6m	1	ks	48,00 €	48,00 €	
0305	Odborné odskúšanie a kompletizácia svetidla pred montážou	24	ks	9,50 €	228,00 €	
0306	Montáž svetidla do výšky 6m	24	ks	12,85 €	308,40 €	
0399	Podiel pridružených výkonov	5	%	7,71 €	38,57 €	
				Spolu:	809,97 €	bez DPH
04 Materiál						
0401	Kábel CYKY-J 3x1,5	150	m	0,50 €	75,00 €	
0402	Stožiarová svorkovnica typ GURO EKM 2072-2D2 vrátane poistiek, montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	1	ks	25,75 €	25,75 €	
0403	2-ramenný výložník na stožiar d=60mm s uhlom vyloženia 180° s dĺžkou ramena 0,5m, žiarovo zinkovaný. Vráťane montážneho materiálu.	1	ks	59,50 €	59,50 €	
0404	Svetidlo LED typ L2 podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	24	ks	425,55 €	10 213,20 €	
0499	Podružný materiál	5	%	103,73 €	518,67 €	
				Spolu:	10 892,12 €	bez DPH
05 Iné práce						
0501	Vypracovanie POD, prerokovanie a schválenie operatívnej dopravnej komisie	1	kpl	500,00 €	500,00 €	
0502	Projektový manažment, inžiniering	1	kpl	700,00 €	700,00 €	
0503	Východisková revízia	1	kpl	800,00 €	800,00 €	
0504	Dokumentácia skutočného vyhotovenia - Zanesenie do technickej evidencie vrátane technickej mapy mesta	1	kpl	1 100,00 €	1 100,00 €	
0505	Geodetické zameranie svetelných miest	1	kpl	1 100,00 €	1 100,00 €	
0599	Podiel pridružených výkonov	5	%	42,00 €	210,00 €	
				Spolu:	4 410,00 €	
Rekapitulácia						
02	Demontážne práce				422,63 €	bez DPH
03	Montážne práce				809,97 €	bez DPH
04	Materiál				10 892,12 €	bez DPH
05	Iné práce				4 410,00 €	bez DPH
Celkom					16 534,72 €	bez DPH

Príloha: Výkaz výmer
 Stavba: Rekonštrukcia VO - Cesta na Kamzík
 Objekt: SO-03 Križovatka Brečtanová

Dátum: 26.8.2021

P.Č.	Skrátený popis	Výmera	MJ	Cena jednotková	Cena celkom	Poznámka
01 Zemné práce						
0101	Výkop a zásyp ryhy 35x80cm (š x h) v teréne so spätnou úpravou vrátane zatravnienia/asfaltovania	200	m	36,50 €	7 300,00 €	
0102	Výkop stožiarovej jamy	10	m3	61,00 €	610,00 €	
0103	Zhotovenie stožiarového základu pre stožiar do výšky 6m	10	ks	115,30 €	1 153,00 €	
0104	Pretlak pod komunikáciou - výkop štartovacej a cieľovej jamy	5	m3	68,50 €	342,50 €	
0105	Pretlak pod komunikáciou - vrátane chráničky d=110mm	14	m	110,00 €	1 540,00 €	
0198	Podiel pridružených výkonov	5	%	109,46 €	547,28 €	
0199	Podružný materiál	5	%	109,46 €	547,28 €	
Spolu:					12 040,05 €	bez DPH
02 Demontážne práce						
0201	Demontáž svetidla do výšky 6m	3	ks	17,50 €	52,50 €	
0202	Demontáž stožiara do výšky 6m, vrátane betónového lôžka	3	ks	135,00 €	405,00 €	
0299	Podiel pridružených výkonov	5	%	4,58 €	22,88 €	
Spolu:					480,38 €	bez DPH
03 Montážne práce						
0301	Montáž - kábel CYKY-J 3x1,5 - napojenie svetidla zo stožiarovej svorkovnice	60	m	0,50 €	30,00 €	
0302	Montáž - kábel CYKY-J 4x10 - zatiahnutie do chráničky	250	m	1,55 €	387,50 €	
0303	Montáž - pásovina FeZn 30x4 vrátane pokládky do výkopu, realizácie spojov vrátane ich izolácie	200	m	1,35 €	270,00 €	
0304	Montáž - guľatina FeZn d=10mm vrátane pokládky pripojenia k pásovine a ku stožiaru, realizácie spojov vrátane ich izolácie, izolácia prestupu zem-vzduch	15	m	1,52 €	22,80 €	
0305	Zabitie zemniacej tyče, vrch tyče na dne výkopu, zhotovenie napojenia na zemniacu sústavu	3	ks	12,50 €	37,50 €	
0306	Pokládka chráničky plastovej d=63mm	250	m	1,85 €	462,50 €	
0307	Pokládka multirúry DB 5x12/8mm	200	m	1,55 €	310,00 €	
0308	Pokládka výstražnej fólie	200	m	0,75 €	150,00 €	
0309	Montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	10	ks	16,50 €	165,00 €	
0310	Montáž IPS skrinky na betónový stĺp, zapojenie vodičov.	1	ks	25,20 €	25,20 €	
0311	Montáž oceľovej chráničky na betónový stožiar, zatiahnutie kábla.	1	ks	1,35 €	1,35 €	
0312	Montáž stožiara do výšky 6m	10	ks	95,50 €	955,00 €	
0313	Odborné odskúšanie a kompletizácia svetidla pred montážou	10	ks	9,50 €	95,00 €	
0314	Montáž svetidla do výšky 6m	10	ks	12,85 €	128,50 €	
0399	Podiel pridružených výkonov	5	%	30,40 €	152,02 €	
Spolu:					3 192,37 €	bez DPH
04 Materiál						
0401	Kábel CYKY-J 3x1,5	60	m	1,05 €	63,00 €	
0402	Kábel CYKY-J 4x10	250	m	6,95 €	1 737,50 €	
0403	Uzemňovacia pásovina 30x4 - Fe/Zn - (1kg/1,06m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov	200	m	4,02 €	804,00 €	
0404	Uzemňovacia guľatina d=10mm - Fe/Zn - (1kg/1,6m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov a prestupu zem-vzduch	15	m	3,01 €	45,15 €	
0405	Zemniaca tyč 2,5m, vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov.	3	ks	22,84 €	68,52 €	
0406	Chránička ohybná plastová d=63mm	250	m	1,68 €	420,00 €	
0407	Multirúra DB 5x12/8mm	200	m	4,15 €	830,00 €	
0408	Výstražná fólia blesk	200	m	0,15 €	30,00 €	
0409	Stožiarová svorkovnica typ GURO EKM 2072-2D2 vrátane poistiek, montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	10	ks	25,75 €	257,50 €	
0410	Stožiar oceľový kužeľový výšky 6m typ podľa špecifikácie zariadení, vrátane pripojovacej svorky pre uzemňovaciu sústavu	10	ks	352,80 €	3 528,00 €	
0411	Svetidlo LED typ L3 s krivkou ST1.2a podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	10	ks	556,68 €	5 566,80 €	
0412	IPS skrinka pre montáž na betónový stožiar, vrátane montážneho materiálu.	1	ks	77,25 €	77,25 €	
0413	Oceľová chránička d=63mm, dĺžky 3m, zinkovaná. Vráťane montážneho materiálu na betónový stožiar.	1	ks	55,80 €	55,80 €	
0499	Podružný materiál	5	%	134,84 €	674,18 €	
Spolu:					14 157,70 €	bez DPH
05 Iné práce						
0501	Vypracovanie POD, prerokovanie a schválenie operatívnej dopravnej komisie	1	kpl	500,00 €	500,00 €	
0502	Predrealizačné vytýčenie inžinierskych sietí	1	kpl	650,00 €	650,00 €	
0503	Projektový manažment, inžiniering	1	kpl	800,00 €	800,00 €	

0504	Východisková revízia	1	kpl	650,00 €	650,00 €	
0505	Dokumentácia skutočného vyhotovenia - Zanesenie do technickej evidencie vrátane technickej mapy mesta	1	kpl	1 100,00 €	1 100,00 €	
0506	Geodetické zameranie svetelných miest vrátane káblových vedení	1	kpl	850,00 €	850,00 €	
0599	Podiel pridružených výkonov	5	%	45,50 €	227,50 €	
				Spolu:	4 777,50 €	

Rekapitulácia

01	Zemné práce			12 040,05 €	bez DPH
02	Demontážne práce			480,38 €	bez DPH
03	Montážne práce			3 192,37 €	bez DPH
04	Materiál			14 157,70 €	bez DPH
05	Iné práce			4 777,50 €	bez DPH

Celkom				34 647,99 €	bez DPH
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Príloha: Výkaz výmer
 Stavba: Rekonštrukcia VO - Cesta na Kamzík
 Objekt: SO-04 Chodník - smer lanovka

Dátum: 26.8.2021

P.Č.	Skrátený popis	Výmera	MJ	Cena jednotková	Cena celkom	Poznámka
01 Zemné práce						
0101	Zhotovenie napojenia - Rozbúranie stožiarového základu, privedenie káblového vedenia, zatiahnutie do drieru stožiara, zhotovenie napojenia zo stožiarovej svorkovnice, spätná úprava, uvedenie do pôvodného stavu	1	ks	115,20 €	115,20 €	
0102	Výkop a zásyp ryhy 35x80cm (š x h) v teréne so spätnou úpravou vrátane zatrávnenia/asfaltovania	200	m	36,50 €	7 300,00 €	
0103	Výkop stožiarovej jamy	7	m3	61,00 €	427,00 €	
0104	Zhotovenie stožiarového základu pre stožiar do výšky 6m	7	ks	115,30 €	807,10 €	
0198	Podiel pridružených výkonov	5	%	86,49 €	432,47 €	
0199	Podružný materiál	5	%	86,49 €	432,47 €	
				Spolu:	9 514,23 €	bez DPH
03 Montážne práce						
0301	Montáž - kábel CYKY-J 3x1,5 - napojenie svetidla zo stožiarovej svorkovnice	45	m	0,50 €	22,50 €	
0302	Montáž - kábel CYKY-J 4x10 - zatiahnutie do chráničky	225	m	1,55 €	348,75 €	
0303	Montáž - pásovina FeZn 30x4 vrátane pokládky do výkopu, realizácie spojov vrátane ich izolácie	200	m	1,35 €	270,00 €	
0304	Montáž - gufatina FeZn d=10mm vrátane pokládky pripojenia k pásovine a ku stožiaru, realizácie spojov vrátane ich izolácie, izolácia prestupu zem-vzduch	15	m	1,52 €	22,80 €	
0305	Pokládka chráničky plastovej d=63mm	225	m	1,85 €	416,25 €	
0306	Pokládka multirúry DB 5x12/8mm	200	m	1,55 €	310,00 €	
0307	Pokládka výstražnej fólie	200	m	0,75 €	150,00 €	
0308	Montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	7	ks	16,50 €	115,50 €	
0309	Zabitie zemniacej tyče, vrch tyče na dne výkopu, zhotovenie napojenia na zemniacu sústavu	1	ks	12,50 €	12,50 €	
0310	Montáž stožiara do výšky 6m	7	ks	95,50 €	668,50 €	
0311	Odborné odskúšanie a kompletizácia svetidla pred montážou	7	ks	9,50 €	66,50 €	
0312	Montáž svetidla do výšky 6m	7	ks	12,85 €	89,95 €	
0399	Podiel pridružených výkonov	5	%	24,93 €	124,66 €	
				Spolu:	2 617,91 €	bez DPH
04 Materiál						
0401	Kábel CYKY-J 3x1,5	45	m	1,05 €	47,25 €	
0402	Kábel CYKY-J 4x10	225	m	6,95 €	1 563,75 €	
0403	Uzemňovacia pásovina 30x4 - Fe/Zn - (1kg/1,06m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov	200	m	4,02 €	804,00 €	
0404	Uzemňovacia gufatina d=10mm - Fe/Zn - (1kg/1,6m), vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov a prestupu zem-vzduch	15	m	3,01 €	45,15 €	
0405	Zemniaca tyč 2,5m, vrátane spojovacích svoriek a izolačného materiálu pre izoláciu spojov	1	ks	22,84 €	22,84 €	
0405	Chránička ohybná plastová d=63mm	225	m	1,68 €	378,00 €	
0406	Multirúra DB 5x12/8mm	200	m	4,15 €	830,00 €	
0407	Výstražná fólia blesk	200	m	0,15 €	30,00 €	
0408	Stožiarová svorkovnica typ GURO EKM 2072-2D2 vrátane poistiek, montáž svorkovnice stožiarovej, pripevnenie svorkovnice, úprava káblov, montáž vodičov prierezu do 4x16mm, zapojenie vývodu pre svetidlo, uzatvorenie svorkovnice	7	ks	25,75 €	180,25 €	
0409	Stožiar oceľový kužeľový výšky 6m typ podľa špecifikácie zariadení, vrátane prípojovacej svorky pre uzemňovaciu sústavu	7	ks	352,80 €	2 469,60 €	
0410	Svetidlo LED typ L2 podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na stožiar	7	ks	425,55 €	2 978,85 €	
0499	Podružný materiál	5	%	93,50 €	467,48 €	
				Spolu:	9 817,17 €	bez DPH
05 Iné práce						
0501	Vypracovanie POD, prerokovanie a schválenie operatívnej dopravnej komisie	1	kpl	500,00 €	500,00 €	
0502	Predrealizačné vytýčenie inžinierskych sietí	1	kpl	650,00 €	650,00 €	
0503	Projektový manažment, inžiniering	1	kpl	680,00 €	680,00 €	
0504	Východisková revízia	1	kpl	650,00 €	650,00 €	
0505	Dokumentácia skutočného vyhotovenia - Zanesenie do technickej evidencie vrátane technickej mapy mesta	1	kpl	1 100,00 €	1 100,00 €	
0506	Geodetické zameranie svetelných miest vrátane káblových vedení	1	kpl	850,00 €	850,00 €	
0599	Podiel pridružených výkonov	5	%	44,30 €	221,50 €	
				Spolu:	4 651,50 €	
Rekapitulácia						
01	Zemné práce				9 514,23 €	bez DPH
03	Montážne práce				2 617,91 €	bez DPH
04	Materiál				9 817,17 €	bez DPH
05	Iné práce				4 651,50 €	bez DPH
Celkom					26 600,82 €	bez DPH

Príloha: Výkaz výmer
Stavba: Rekonštrukcia VO - Cesta na Kamzík
Objekt: SO-05 Centrálna lúka

Dátum: 26.8.2021

P.Č.	Skrátený popis	Výmera	MJ	Cena jednotková	Cena celkom	Poznámka
02 Demontážne práce						
0201	Demontáž svetidla do výšky 8m v zalesnenom teréne	11	ks	35,70 €	392,70 €	
0202	Demontáž konzoly a elektrovýzbroje	11	ks	45,25 €	497,75 €	
0203	Demontáž rozvádzača a jeho likvidácia	1	ks	195,00 €	195,00 €	
0299	Podiel pridružených výkonov	5	%	10,85 €	54,27 €	
Spolu:					1 139,72 €	bez DPH
03 Montážne práce						
0301	Montáž - kábel CYKY-J 2x2,5 - zhotovenie napojenia zo vzdušného rozvodu	25	m	0,75 €	18,75 €	
0302	Montáž - vzdušný kábel 1-AES 4x16 - vrátane nosných a kotviacich svoriek	240	m	1,52 €	364,80 €	
0303	Montáž NN konzoly na betónové stožiare.	7	ks	15,80 €	110,60 €	
0304	Montáž oceľovej chráničky na betónový stožiar, zatiahnutie kábla.	2	ks	1,35 €	2,70 €	
0305	Odborné odskúšanie a kompletizácia svetidla pred montážou	14	ks	9,50 €	133,00 €	
0306	Montáž reflektora do výšky 8m v zalesnenom teréne	14	ks	32,00 €	448,00 €	
0307	Montáž komunikačného prvku pre reflektor do boxu.	14	ks	21,50 €	301,00 €	
0308	Montáž istiacich a ovládacích boxov pre reflektory na konzolu	7	ks	19,50 €	136,50 €	
0309	Montáž a osadenie podružného rozvádzača, vrátane zapojenia riadenia, ovládania a istenia vývodov.	1	ks	65,00 €	65,00 €	
0310	Zhotovenie napojenia pre rozvádzač z existujúcej vzdušnej prípojky.	1	ks	22,25 €	22,25 €	
0311	Programovanie riadiacej jednotky, načítanie všetkých svetidiel, nastavenie stmievacích profilov.	1	ks	150,00 €	150,00 €	
0312	Nastavenie smerovosti reflektorov po namontovaní na stožiar.	14	ks	15,25 €	213,50 €	
0313	Orezávka vzrastlých drevín v okolí betónových stĺpov v počte 11ks	1	ks	180,00 €	180,00 €	
0399	Podiel pridružených výkonov	5	%	21,46 €	107,31 €	
Spolu:					2 253,41 €	bez DPH
04 Materiál						
0401	Kábel CYKY-J 2x2,5	25	m	1,45 €	36,25 €	
0402	Kábel 1-AES 4x16	240	m	1,52 €	364,80 €	
0403	NN konzola vrátane strmeňa a montážneho uchytenia na betónový stožiar	7	ks	31,50 €	220,50 €	
0404	Nosné a kotevné svorky pre montáž vzdušného vedenia.	7	ks	28,75 €	201,25 €	
0405	Odbočovacie svorky pre zhotovenia napojenia zo vzdušného vedenia.	7	ks	25,50 €	178,50 €	
0406	materiálu na betónový stožiar.	2	ks	55,80 €	111,60 €	
0407	Výstražná fólia blesk	570	m	0,15 €	85,50 €	
0408	Reflektor LED typ R2 s asymetrickou krivkou svetivosti podľa špecifikácie zariadení, vrátane montážnej sady pre osadenie na konzolu	14	ks	592,54 €	8 295,56 €	
0409	Gear box pre programovanie prevádzky svietenia reflektorov	1	ks	1 100,00 €	1 100,00 €	
0410	Bezdrôtový komunikačný prvok pre reflektorové svetidlo pre obojsmernú komunikáciu	14	ks	52,15 €	730,10 €	
0411	Riadiaca jednotka pre bezdrôtovú komunikáciu podľa špecifikácie zariadení	1	ks	575,00 €	575,00 €	
0412	Podružný rozvádzač pre istenie, spínanie a riadenie osvetlenia. Pilierový samostatne stojaci	1	ks	340,00 €	340,00 €	
0413	IP krabica (box) - vyskladaná pre účely ovládania a istenia reflektorov.	7	ks	25,65 €	179,55 €	
0499	Podružný materiál	5	%	124,19 €	620,93 €	
Spolu:					13 039,54 €	bez DPH
05 Iné práce						
0501	Vypracovanie POD, prerokovanie a schválenie operatívnej dopravnej komisie	1	kpl	500,00 €	500,00 €	
0502	Predrealizačné vytýčenie inžinierskych sietí	1	kpl	650,00 €	650,00 €	
0503	Projektový manažment, inžiniering	1	kpl	700,00 €	700,00 €	
0504	Východisková revízia	1	kpl	650,00 €	650,00 €	
0505	Dokumentácia skutočného vyhotovenia - Zanesenie do technickej evidencie vrátane technickej mapy mesta	1	kpl	1 100,00 €	1 100,00 €	
0506	Geodetické zameranie svetelných miest	1	kpl	760,00 €	760,00 €	
0599	Podiel pridružených výkonov	5	%	43,60 €	218,00 €	
Spolu:					4 578,00 €	
Rekapitulácia						
02	Demontážne práce				1 139,72 €	bez DPH
03	Montážne práce				2 253,41 €	bez DPH
04	Materiál				13 039,54 €	bez DPH
05	Iné práce				4 578,00 €	bez DPH
Celkom					21 010,67 €	bez DPH

Order No.: 5XC2A32T08HC | **GTIN (EAN):** 4058352390795

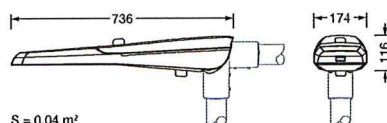
Product description: SL11mn,ST1.2a,7250lm830,D4i,SRZhaga



Streetlight 11 mini LED, mast luminaire, primary light control with 3 zone faceted reflector, of plastic, silver coated, highly specular, primary optical cover: cover, of PMMA, transparent, light distribution: ST1.2a, light emission: direct distribution, primary light characteristic: asymmetric, installation type: post-top, side-entry, LED High Power LED, rated luminous flux: 7.250 lm, light colour: 830, colour temperature: 3000K, control gear: ECG Smart Interface, control: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation, with cable H07RN-F 3x 1.5mm², mains connection: 220..240V, AC, 50/60Hz, connection cable pre-assembled, cable length: 8,5 m, start of lifetime: 66 W, end of lifetime: 71 W, luminaire housing, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 736 mm, width: 174 mm, height: 116mm, spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1, protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, impact resistance: IK09, permissible ambient temperature for outdoor applications: -25..+50°C, For luminaires with Smart Interface in combination with OT DEXAL ECGs, only components which are compatible with ,works with DEXAL' shall be used. If the luminaire has a Zhaga D4i certification, it is important to ensure that the selected components have a Zhaga D4i certification as well. If components are used which are not ,works with DEXAL' or ,Zhaga D4i' compatible, impairment issues of the luminaire or the component can occur or the luminaire or added component can get damaged., standard-compliant lighting for roads and squares, packaging unit: 1 piece



Lamps: LED
Wt. (kg): 6.8
GTIN (EAN): 4058352390795



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Order No.: 5XC2A32T08HC | **GTIN (EAN):** 4058352390795

Detailed technical description: SL11mn,ST1.2a,7250lm830,D4i,SRZhaga



Key data

- Product type: mast luminaire
- Product name: Streetlight 11 mini LED
- Order No.: 5XC2A32T08HC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: 3 zone faceted reflector of plastic, silver coated, highly specular
- Cover: cover, transparent
- Light distribution: ST1.2a
- Beam angle: wide distribution
- Symmetry: asymmetric distribution
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 7250lm
- Luminous efficacy: 111lm/W
- Colour temperature: 3000K
- Colour rendering index: CRI > 80
- Light colour: 830
- SDCM (Standard Deviation of Colour Matching): MacAdam \leq 5 SDCM (initial)
- Rated input power begin service life: 66
- Rated input power end service life: 71

Operating device:

- Control gear: ECG Smart Interface
- Control: D4i
- Equipment: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Impact resistance: IK09
- Temperature range (operation): -25...+50°C
- Supplement: standard-compliant lighting for roads and squares
- Certification, designation: CE, ENEC, VDE

Material, Colour

- luminaire housing: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), please order mast flange separately, inclination adjustable without tools at 0°, 5°, 10°, 15° (post-top) | 0°, -5°, -10°, -15° (side-entry), sealing non-destructively replaceable, multi-level sealing system
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: cover of PMMA

Mounting

- Mounting method, mounting location: side-entry, post-top, on mast

Electrical connection

- Connection: cable H07RN-F 3x 1.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs
- Connection cable: pre-assembled, L= 8.5m

Dimensions, Weight

- Length: 736mm
- Width: 174mm
- Height: 116mm
- Weight: 6.8kg
- Mast spigot: spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1

Light emission

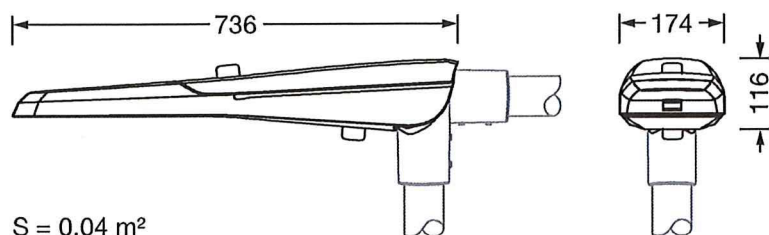
- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h at AT = 25°C

Order No.: 5XC2A32T08HC | **GTIN (EAN):** 4058352390795

Dimensions: SL11mn,ST1.2a,7250lm830,D4i,SRZhaga



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Order No.: 5XC2A32T08HC | **GTIN (EAN):** 4058352390795

Planning data: SL11mn,ST1.2a,7250lm830,D4i,SRZhaga

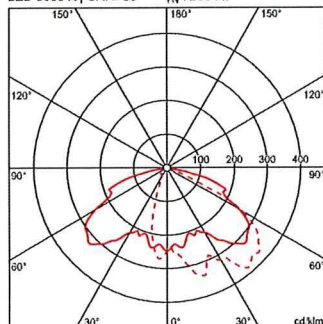
5XC2A32T08HC: 1x LED

4058352390795

5XC2A32T08HC

LED 3000 K | CRI ≥ 80

Φ_N 7250 lm



— C 0/180 - - - C 90/270

Luminous intensity class according to
EN13201-2: G3

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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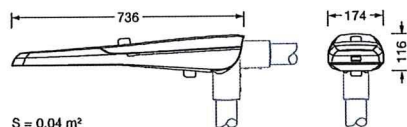
Product description: SL11mn,P1.0,7250lm830,D4i,SRZhaga



Streetlight 11 mini LED, mast luminaire, primary light control with 3 zone faceted reflector, of plastic, silver coated, highly specular, primary optical cover: cover, of PMMA, transparent, light distribution: ST1.2a, light emission: direct distribution, primary light characteristic: asymmetric, installation type: post-top, side-entry, LED High Power LED, rated luminous flux: 7.250 lm, light colour: 830, colour temperature: 3000K, control gear: ECG Smart Interface, control: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation, with cable H07RN-F 3x 1.5mm², mains connection: 220..240V, AC, 50/60Hz, connection cable pre-assembled, cable length: 8,5 m, start of lifetime: 66 W, end of lifetime: 71 W, luminaire housing, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 736 mm, width: 174 mm, height: 116mm, spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1, protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, impact resistance: IK09, permissible ambient temperature for outdoor applications: -25...+50°C, For luminaires with Smart Interface in combination with OT DEXAL ECGs, only components which are compatible with ,works with DEXAL' shall be used. If the luminaire has a Zhaga D4i certification, it is important to ensure that the selected components have a Zhaga D4i certification as well. If components are used which are not ,works with DEXAL' or ,Zhaga D4i' compatible, impairment issues of the luminaire or the component can occur or the luminaire or added component can get damaged., standard-compliant lighting for roads and squares, packaging unit: 1 piece



Lamps:	LED
Wt. (kg):	6.8
GTIN (EAN):	4058352390795



Detailed technical description: SL11mn,P1.0,7250lm830,D4i,SRZhaga



Key data

- Product type: mast luminaire
- Product name: Streetlight 11 mini LED
- Order No.: 5XC2A32T08HC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: 3 zone faceted reflector of plastic, silver coated, highly specular
- Cover: cover, transparent
- Light distribution: ST1.2a
- Beam angle: wide distribution
- Symmetry: asymmetric distribution
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 7250lm
- Luminous efficacy: 111lm/W
- Colour temperature: 3000K
- Colour rendering index: CRI > 80
- Light colour: 830
- SDCM (Standard Deviation of Colour Matching): MacAdam ≤ 5 SDCM (initial)
- Rated input power begin service life: 66
- Rated input power end service life: 71

Operating device:

- Control gear: ECG Smart Interface
- Control: D4i
- Equipment: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Impact resistance: IK09
- Temperature range (operation): -25...+50°C
- Supplement: standard-compliant lighting for roads and squares
- Certification, designation: CE, ENEC, VDE

Material, Colour

- luminaire housing: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), please order mast flange separately, inclination adjustable without tools at 0°, 5°, 10°, 15° (post-top) | 0°, -5°, -10°, -15° (side-entry), sealing non-destructively replaceable, multi-level sealing system
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: cover of PMMA

Mounting

- Mounting method, mounting location: side-entry, post-top, on mast

Electrical connection

- Connection: cable H07RN-F 3x 1.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs
- Connection cable: pre-assembled, L= 8.5m

Dimensions, Weight

- Length: 736mm
- Width: 174mm
- Height: 116mm
- Weight: 6.8kg
- Mast spigot: spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1

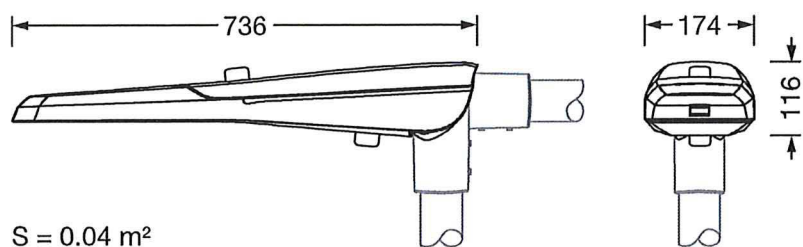
Light emission

- Light emission: 0% at 0° inclination

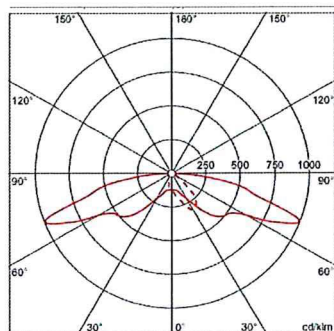
Service life

- Rated service life: 100000h at AT = 25°C

Dimensions: SL11mn,P1.0,7250lm830,D4i,SRZhaga



Planning data: SL11mn,P1.0,7250lm830,D4i,SRZhaga

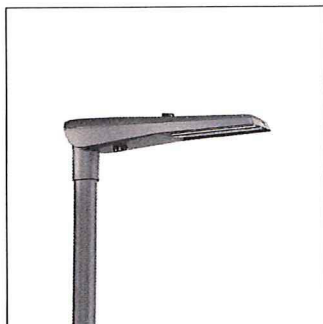


— C 0/180 - - - C 90/270

Luminous intensity class according to
EN13201-2: G3

Order No.: 5XC2A22T08HC | **GTIN (EAN):** 4058352432174

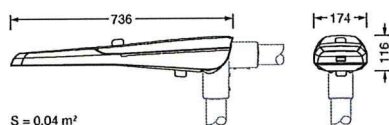
Product description: SL11mn,ST1.2a,6670lm722,D4i,SRZhaga



Streetlight 11 mini LED, mast luminaire, primary light control with 3 zone faceted reflector, of plastic, silver coated, highly specular, primary optical cover: cover, of PMMA, transparent, light distribution: ST1.2a, light emission: direct distribution, primary light characteristic: asymmetric, installation type: post-top, side-entry, LED High Power LED, rated luminous flux: 6.670 lm, light colour: 722, colour temperature: 2200K, control gear: ECG Smart Interface, control: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation, with cable H07RN-F 3x 1.5mm², mains connection: 220..240V, AC, 50/60Hz, connection cable pre-assembled, cable length: 8,5 m, start of lifetime: 66 W, end of lifetime: 71 W, luminaire housing, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 736 mm, width: 174 mm, height: 116mm, spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1, protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, impact resistance: IK09, permissible ambient temperature for outdoor applications: -25..+50°C, For luminaires with Smart Interface in combination with OT DEXAL ECGs, only components which are compatible with ,works with DEXAL' shall be used. If the luminaire has a Zhaga D4i certification, it is important to ensure that the selected components have a Zhaga D4i certification as well. If components are used which are not ,works with DEXAL' or ,Zhaga D4i' compatible, impairment issues of the luminaire or the component can occur or the luminaire or added component can get damaged., standard-compliant lighting for roads and squares, packaging unit: 1 piece



Lamps: LED
Wt. (kg): 6.8
GTIN (EAN): 4058352432174



Order No.: 5XC2A22T08HC | **GTIN (EAN):** 4058352432174

Detailed technical description: SL11mn,ST1.2a,6670lm722,D4i,SRZhaga



Key data

- Product type: mast luminaire
- Product name: Streetlight 11 mini LED
- Order No.: 5XC2A22T08HC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: 3 zone faceted reflector of plastic, silver coated, highly specular
- Cover: cover, transparent
- Light distribution: ST1.2a
- Beam angle: wide distribution
- Symmetry: asymmetric distribution
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 6670lm
- Luminous efficacy: 101lm/W
- Colour temperature: 2200K
- Colour rendering index: CRI > 70
- Light colour: 722
- SDCM (Standard Deviation of Colour Matching): MacAdam \leq 5 SDCM (initial)
- Rated input power begin service life: 66
- Rated input power end service life: 71

Operating device:

- Control gear: ECG Smart Interface
- Control: D4i
- Equipment: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Impact resistance: IK09
- Temperature range (operation): -25...+50°C
- Supplement: standard-compliant lighting for roads and squares
- Certification, designation: CE, ENEC, VDE

Material, Colour

- luminaire housing: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), please order mast flange separately, inclination adjustable without tools at 0°, 5°, 10°, 15° (post-top) | 0°, -5°, -10°, -15° (side-entry), sealing non-destructively replaceable, multi-level sealing system
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: cover of PMMA

Mounting

- Mounting method, mounting location: side-entry, post-top, on mast

Electrical connection

- Connection: cable H07RN-F 3x 1.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs
- Connection cable: pre-assembled, L= 8.5m

Dimensions, Weight

- Length: 736mm
- Width: 174mm
- Height: 116mm
- Weight: 6.8kg
- Mast spigot: spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1

Light emission

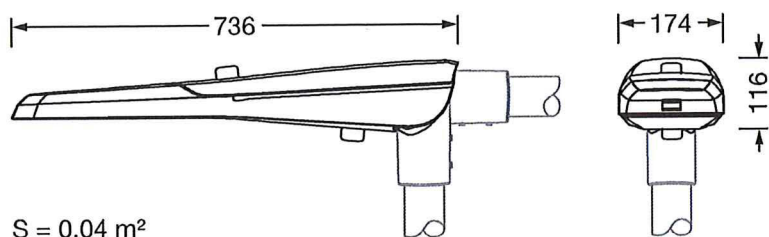
- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h at AT = 25°C

Order No.: 5XC2A22T08HC | **GTIN (EAN):** 4058352432174

Dimensions: SL11mn,ST1.2a,6670lm722,D4i,SRZhaga



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Order No.: 5XC2A22T08HC | **GTIN (EAN):** 4058352432174

Planning data: SL11mn,ST1.2a,6670lm722,D4i,SRZhaga

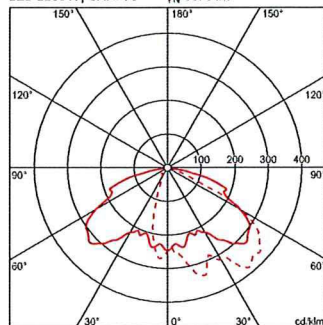
5XC2A22T08HC: 1x LED

4058352432174

5XC2A22T08HC

LED 2200 K | CRI ≥ 70

Φ_q 6670 lm



— C 0/180 - - - C 90/270

Luminous intensity class according to
EN13201-2: G3

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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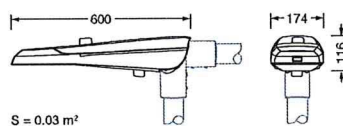
Product description: SL11mc,ST1.2aP1.0,2920lm722,SRZhagaSIbe/ab



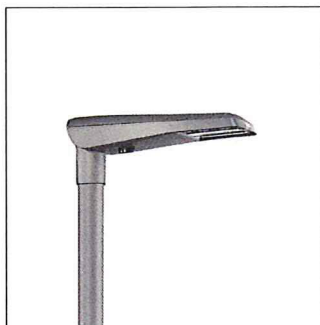
Streetlight 11 micro LED, mast luminaire, primary light control with 3 zone faceted reflector, of plastic, silver coated, highly specular, primary optical cover: cover, of PMMA, transparent, light distribution: ST1.2a, light emission: direct distribution, primary light characteristic: asymmetric, installation type: post-top, side-entry, LED High Power LED, rated luminous flux: 2.920 lm, light colour: 722, colour temperature: 2200K, control gear: ECG Smart Interface, control: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation, with cable H07RN-F 3x 1.5mm², mains connection: 220..240V, AC, 50/60Hz, connection cable pre-assembled, cable length: 6,5 m, start of lifetime: 29 W, end of lifetime: 30 W, luminaire housing, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 600 mm, width: 174 mm, height: 116mm, spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1, protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, impact resistance: IK09, permissible ambient temperature for outdoor applications: -25..+50°C, For luminaires with Smart Interface in combination with OT DEXAL ECGs, only components which are compatible with ,works with DEXAL' shall be used. If the luminaire has a Zhaga D4i certification, it is important to ensure that the selected components have a Zhaga D4i certification as well. If components are used which are not ,works with DEXAL' or ,Zhaga D4i' compatible, impairment issues of the luminaire or the component can occur or the luminaire or added component can get damaged., standard-compliant lighting for roads and squares, packaging unit: 1 piece



Lamps: LED
Wt. (kg): 5.2
GTIN (EAN): 4058352432105



Detailed technical description: SL11mc,ST1.2aP1.0,2920lm722,SRZhagaSIbe/ab



Key data

- Product type: mast luminaire
- Product name: Streetlight 11 micro LED
- Order No.: 5XC1A22T08DC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: 3 zone faceted reflector of plastic, silver coated, highly specular
- Cover: cover, transparent
- Light distribution: ST1.2a
- Beam angle: wide distribution
- Symmetry: asymmetric distribution
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 2920lm
- Luminous efficacy: 101lm/W
- Colour temperature: 2200K
- Colour rendering index: CRI > 70
- Light colour: 722
- SDCM (Standard Deviation of Colour Matching): MacAdam ≤ 5 SDCM (initial)
- Rated input power begin service life: 29
- Rated input power end service life: 30

Operating device:

- Control gear: ECG Smart Interface
- Equipment: overheat protection, constant luminous flux control, time-dependent luminous flux control, flexible luminous flux parameterisation

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Impact resistance: IK09
- Temperature range (operation): -25..+50°C
- Supplement: standard-compliant lighting for roads and squares
- Certification, designation: CE, ENEC, VDE

Material, Colour

- luminaire housing: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), please order mast flange separately, inclination adjustable without tools at 0°, 5°, 10°, 15° (post-top) | 0°, -5°, -10°, -15° (side-entry), sealing non-destructively replaceable, multi-level sealing system
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: cover of PMMA

Mounting

- Mounting method, mounting location: side-entry, post-top, on mast

Electrical connection

- Connection: cable H07RN-F 3x 1.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs
- Connection cable: pre-assembled, L= 6.5m

Dimensions, Weight

- Length: 600mm
- Width: 174mm
- Height: 116mm
- Weight: 5.2kg
- Mast spigot: spigot size: 60/76mm (post-top) and 42/60mm (side-entry), mast flange for spigot size: 42mm: 5XC10008XM4, 60mm: 5XC10008XM2, 76mm: 5XC10008XM1

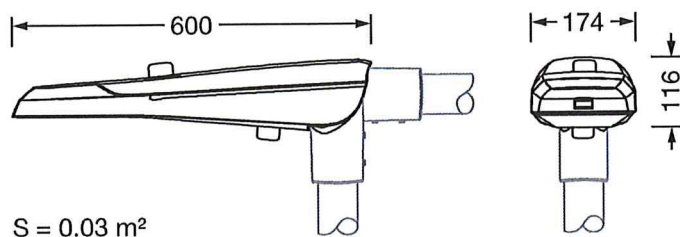
Light emission

- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h at AT = 25°C

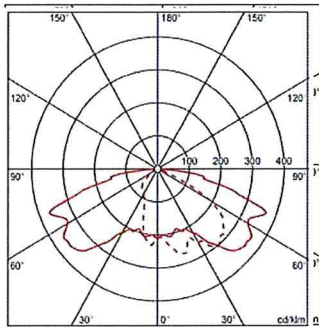
Dimensions: SL11mc,ST1.2aP1.0,2920lm722,SRZhagaSIbe/ab



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Planning data: SL11mc,ST1.2aP1.0,2920lm722,SRZhagaSIbe/ab



— C 0/180 - - - C 90/270

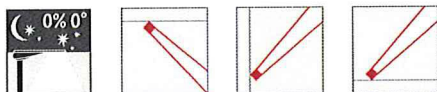
Luminous intensity class according to
EN13201-2: G3

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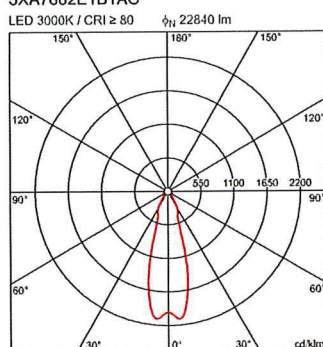
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Order No.: 5XA7682E1B1AC | **GTIN (EAN):** 4058352223079

Product description: FL20md,RS17,22840lm830,PlusDA,bracket



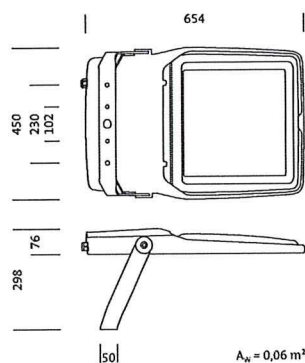
4058352223079
5XA7682E1B1AC



Floodlight 20 midi LED, floodlight, primary light control with lens, of plastic, primary optical cover: protective disc, of toughened safety glass, transparent, light distribution: RS17, light emission: direct distribution, primary light characteristic: rotationally symmetric, installation type: surface-mounted, LED High Power LED, rated luminous flux: 22.840 lm, light colour: 830, colour temperature: 3000K, control gear: ECG Plus, control: flexible luminous flux parameterisation, time-dependent luminous flux control, digital communication interface, power reduction, overheat protection, electronic power reduction, with terminal, 5-pole, max. 2.5mm², mains connection: 220..240V, AC, 50/60Hz, rated input power: 208W, LED unit, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 654 mm, width: 450 mm, height: 76mm, housing frame, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), mounting bracket, of steel, powder-coated, Siteco® metallic grey (DB 702S), DALI protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, protection symbol: D, permissible ambient temperature for indoor applications: -40..+40°C, permissible ambient temperature for outdoor applications: -40..+50°C, standard: DIN EN 12944, packaging unit: 1 piece



Lamps:	LED
Wt. (kg):	15.8
GTIN (EAN):	4058352223079

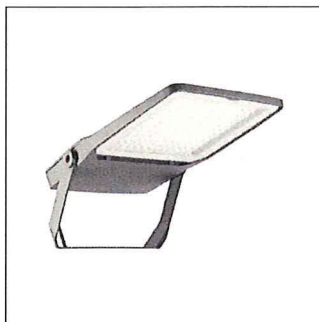


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Order No.: 5XA7682E1B1AC | **GTIN (EAN):** 4058352223079

Detailed technical description: FL20md,RS17,22840lm830,PlusDA,bracket



Key data

- Product type: floodlight
- Product name: Floodlight 20 midi LED
- Order No.: 5XA7682E1B1AC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: lens of plastic
- Cover: protective disc, transparent
- Light distribution: RS17
- Symmetry: rotationally symmetric
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 22840lm
- Luminous efficacy: 110lm/W
- Colour temperature: 3000K
- Colour rendering index: CRI > 80
- Light colour: 830
- Rated input power: 208W

Operating device:

- Control gear: ECG Plus
- Control: Plus/DALI
- Equipment: overheat protection, power reduction, digital communication interface, time-dependent luminous flux control, flexible luminous flux parameterisation
- Switching method: electronic power reduction

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Protection symbol: D
- Temperature range (operation): - 40..+40°C
- Standard: DIN EN 12944
- Corrosion protection: corrosivity category C5 according to DIN EN ISO 12944
- Certification, designation: CE, ENEC, VDE

Material, Colour

- LED unit: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), incl. 1x M20 cable gland for cable Ø 6.5..12mm
- Colour specification: Siteco® metallic grey (DB 702S)
- housing frame: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- mounting bracket: steel, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: protective disc of toughened safety glass

Mounting

- Mounting method, mounting location: surface-mounted, to supporting structure, to the cross arm, to the wall
- Arrangement: single arrangement
- Supplement: with mounting bracket

Electrical connection

- Connection: terminal, 5-pole, max. 2.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs

Dimensions, Weight

- Length: 654mm
- Width: 450mm
- Height: 76mm
- Weight: 15.8kg

Light emission

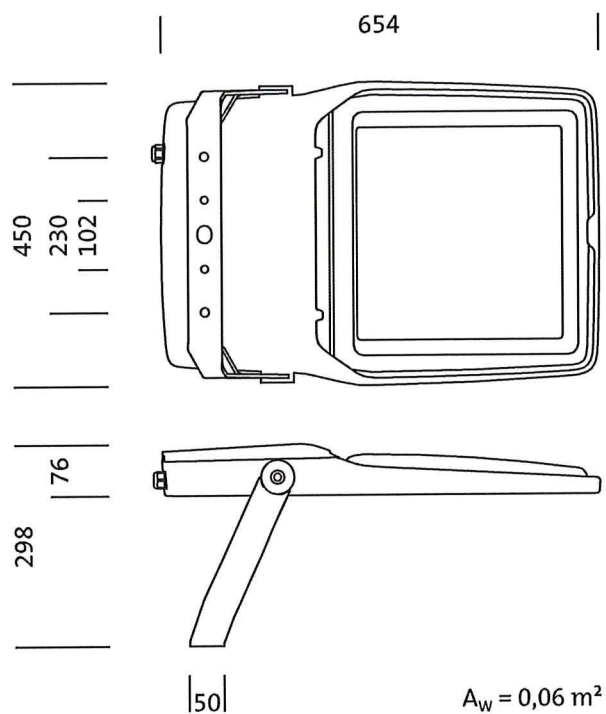
- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h (L97/B10) at AT = 25°C, 50000h (L98/B10) at AT = 25°C

Order No.: 5XA7682E1B1AC | **GTIN (EAN):** 4058352223079

Dimensions: FL20md,RS17,22840lm830,PlusDA,bracket



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.de)
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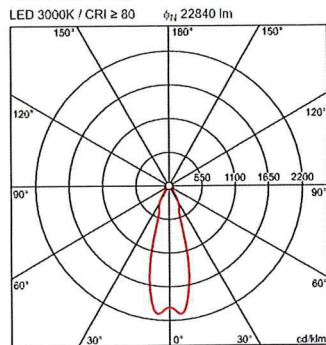
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Order No.: 5XA7682E1B1AC | **GTIN (EAN):** 4058352223079

Planning data: FL20md,RS17,22840lm830,PlusDA,bracket

5XA7682E1B1AC: 1x LED
3000K / CRI ≥ 80

4058352223079
 5XA7682E1B1AC



— C 0/180
 - - - C 90/270

Luminous intensity class according to
 EN13201-2: G6

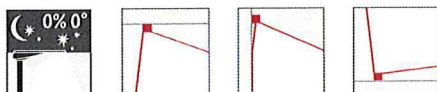
H(m)	ϕ (m)	E _{max} (lx)	E _m (lx)
4	2.25	2950	2445
6	3.37	1311	1086
8	4.50	738	611
10	5.62	472	391
12	6.75	328	272

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.de)
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Order No.: 5XA7682E1A1AC | **GTIN (EAN):** 4058352223017

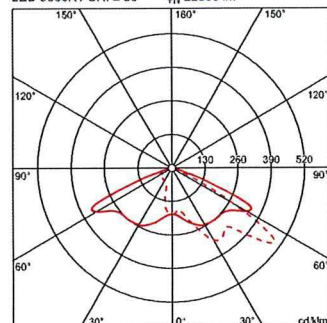
Product description: FL20md,PL43,22300lm830,PlusDA,bracket



4058352223017

5XA7682E1A1AC

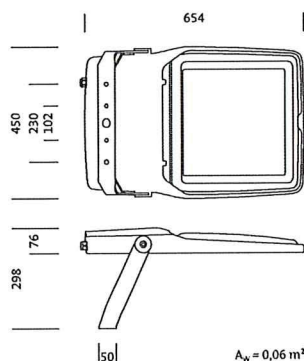
LED 3000K / CRI ≥ 80



Floodlight 20 midi LED, floodlight, primary light control with lens, of plastic, primary optical cover: protective disc, of toughened safety glass, transparent, light distribution: PL43, light emission: direct distribution, primary light characteristic: asymmetric, installation type: surface-mounted, LED High Power LED, rated luminous flux: 22.300 lm, light colour: 830, colour temperature: 3000K, control gear: ECG Plus, control: flexible luminous flux parameterisation, time-dependent luminous flux control, digital communication interface, power reduction, overheat protection, electronic power reduction, with terminal, 5-pole, max. 2.5mm², mains connection: 220..240V, AC, 50/60Hz, rated input power: 208W, LED unit, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 654 mm, width: 450 mm, height: 76mm, housing frame, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), mounting bracket, of steel, powder-coated, Siteco® metallic grey (DB 702S), DALI protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, protection symbol: D, permissible ambient temperature for indoor applications: -40..+40°C, permissible ambient temperature for outdoor applications: -40..+50°C, standard: DIN EN 12944, packaging unit: 1 piece



Lamps: LED
Wt. (kg): 15.8
GTIN (EAN): 4058352223017



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Order No.: 5XA7682E1A1AC | **GTIN (EAN):** 4058352223017

Detailed technical description: FL20md,PL43,22300lm830,PlusDA,bracket



Key data

- Product type: floodlight
- Product name: Floodlight 20 midi LED
- Order No.: 5XA7682E1A1AC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: lens of plastic
- Cover: protective disc, transparent
- Light distribution: PL43
- Symmetry: asymmetric distribution
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 22300lm
- Luminous efficacy: 107lm/W
- Colour temperature: 3000K
- Colour rendering index: CRI > 80
- Light colour: 830
- Rated input power: 208W

Operating device:

- Control gear: ECG Plus
- Control: Plus/DALI
- Equipment: overheat protection, power reduction, digital communication interface, time-dependent luminous flux control, flexible luminous flux parameterisation
- Switching method: electronic power reduction

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Protection symbol: D
- Temperature range (operation): -40..+40°C
- Standard: DIN EN 12944
- Corrosion protection: corrosivity category C5 according to DIN EN ISO 12944
- Certification, designation: CE, ENEC, VDE

Material, Colour

- LED unit: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), incl. 1x M20 cable gland for cable Ø 6.5..12mm
- Colour specification: Siteco® metallic grey (DB 702S)
- housing frame: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- mounting bracket: steel, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: protective disc of toughened safety glass

Mounting

- Mounting method, mounting location: surface-mounted, to supporting structure, to the cross arm, to the wall
- Arrangement: single arrangement
- Supplement: with mounting bracket

Electrical connection

- Connection: terminal, 5-pole, max. 2.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs

Dimensions, Weight

- Length: 654mm
- Width: 450mm
- Height: 76mm
- Weight: 15.8kg

Light emission

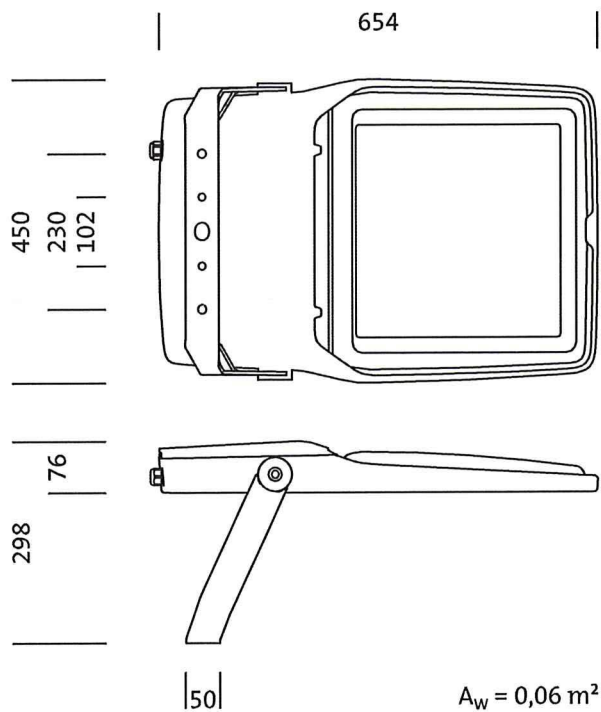
- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h (L97/B10) at AT = 25°C, 50000h (L98/B10) at AT = 25°C

Order No.: 5XA7682E1A1AC | **GTIN (EAN):** 4058352223017

Dimensions: FL20md,PL43,22300lm830,PlusDA,bracket



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Order No.: 5XA7682E1A1AC | **GTIN (EAN):** 4058352223017

Planning data: FL20md,PL43,22300lm830,PlusDA,bracket

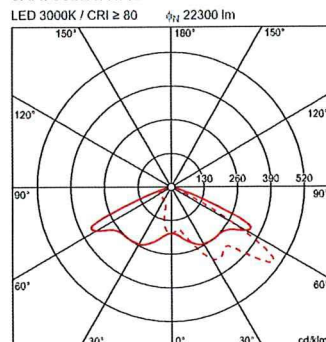
5XA7682E1A1AC: 1x LED

3000K / CRI \geq 80

4058352223017

5XA7682E1A1AC

LED 3000K / CRI \geq 80



— C 0/180 - - - C 90/270

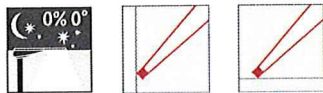
Luminous intensity class according to
EN13201-2: G6

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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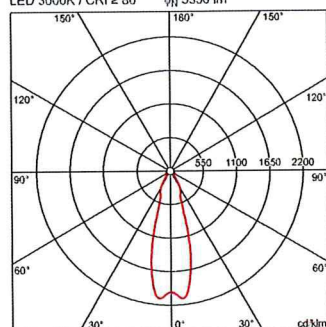
Order No.: 5XA7672B1B1AC | **GTIN (EAN):** 4058352220795

Product description: FL20mn,RS17,5350lm830,PlusDA,bracket



4058352220795
5XA7672B1B1AC

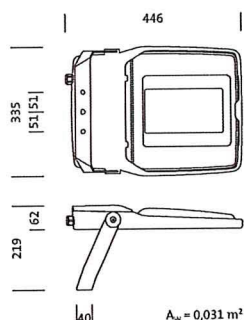
LED 3000K / CRI ≥ 80 ϕ_{H} 5350 lm



Floodlight 20 mini LED, floodlight, primary light control with lens, of plastic, primary optical cover: protective disc, of toughened safety glass, transparent, light distribution: RS17, light emission: direct distribution, primary light characteristic: rotationally symmetric, installation type: surface-mounted, LED High Power LED, rated luminous flux: 5.350 lm, light colour: 830, colour temperature: 3000K, control gear: ECG Plus, control: flexible luminous flux parameterisation, time-dependent luminous flux control, digital communication interface, power reduction, overheat protection, electronic power reduction, with terminal, 5-pole, max. 2.5mm², mains connection: 220..240V, AC, 50/60Hz, rated input power: 51W, LED unit, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), length: 446 mm, width: 355 mm, height: 62mm, housing frame, of diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), mounting bracket, of steel, powder-coated, Siteco® metallic grey (DB 702S), DALI protection rating (complete): IP66, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, protection symbol: D, permissible ambient temperature for indoor applications: -40...+40°C, permissible ambient temperature for outdoor applications: -40...+50°C, standard: DIN EN 12944, packaging unit: 1 piece



Lamps:	LED
Wt. (kg):	6.6
GTIN (EAN):	4058352220795



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
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Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

Order No.: 5XA7672B1B1AC | **GTIN (EAN):** 4058352220795

Detailed technical description: FL20mn,RS17,5350lm830,PlusDA,bracket



Key data

- Product type: floodlight
- Product name: Floodlight 20 mini LED
- Order No.: 5XA7672B1B1AC

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: lens of plastic
- Cover: protective disc, transparent
- Light distribution: RS17
- Symmetry: rotationally symmetric
- Light emission: direct distribution

Lamps:

- Lamps: with High Power LED, LED
- Rated luminous flux: 5350lm
- Luminous efficacy: 105lm/W
- Colour temperature: 3000K
- Colour rendering index: CRI > 80
- Light colour: 830
- Rated input power: 51W

Operating device:

- Control gear: ECG Plus
- Control: Plus/DALI
- Equipment: overheat protection, power reduction, digital communication interface, time-dependent luminous flux control, flexible luminous flux parameterisation
- Switching method: electronic power reduction

Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class II (safety insulation)
- Protection symbol: D
- Temperature range (operation): -40...+40°C
- Standard: DIN EN 12944
- Corrosion protection: corrosivity category C5 according to DIN EN ISO 12944
- Certification, designation: CE, ENEC, VDE

Material, Colour

- LED unit: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S), incl. 1x M20 cable gland for cable Ø 6.5..12mm
- Colour specification: Siteco® metallic grey (DB 702S)
- housing frame: diecast aluminium, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- mounting bracket: steel, powder-coated, Siteco® metallic grey (DB 702S)
- Colour specification: Siteco® metallic grey (DB 702S)
- Cover: protective disc of toughened safety glass

Mounting

- Mounting method, mounting location: surface-mounted, to supporting structure, to the cross arm, to the wall
- Arrangement: single arrangement
- Supplement: with mounting bracket

Electrical connection

- Connection: terminal, 5-pole, max. 2.5mm²
- Nominal voltage: 220..240V, 50/60Hz, AC
- Surge voltage resistance: 10kV 1.2/50µs

Dimensions, Weight

- Length: 446mm
- Width: 355mm
- Height: 62mm
- Weight: 6.6kg

Light emission

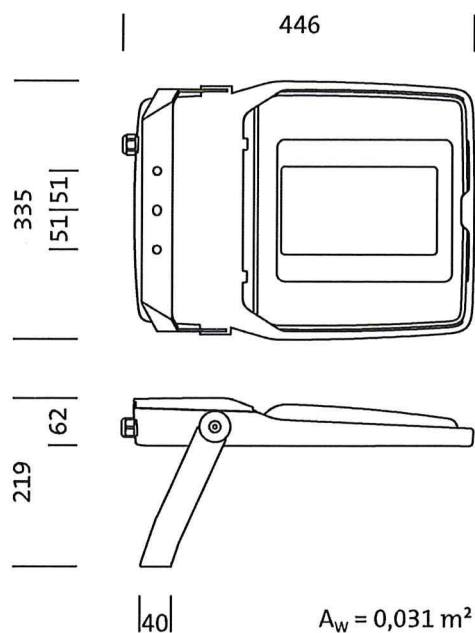
- Light emission: 0% at 0° inclination

Service life

- Rated service life: 100000h (L97/B10) at AT = 25°C, 50000h (L98/B10) at AT = 25°C

Order No.: 5XA7672B1B1AC | **GTIN (EAN):** 4058352220795

Dimensions: FL20mn,RS17,5350lm830,PlusDA,bracket



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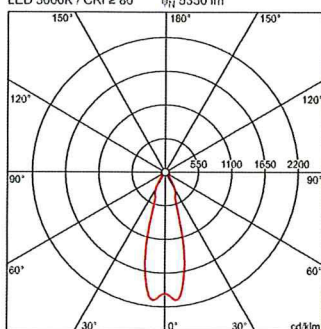
Order No.: 5XA7672B1B1AC | **GTIN (EAN):** 4058352220795

Planning data: FL20mn,RS17,5350lm830,PlusDA,bracket

5XA7672B1B1AC: 1x LED
3000K / CRI ≥ 80

4058352220795
 5XA7672B1B1AC

LED 3000K / CRI ≥ 80 ϕ_{eff} 5350 lm



— C 0/180
 - - - C 90/270

Luminous intensity class according to
 EN13201-2: G6

H(m)	$\alpha(m)$	E _{max} (lx)	E _m (lx)
2	1.12	2764	2290
3	1.69	1228	1018
4	2.25	691	573
5	2.81	442	366
6	3.37	307	254