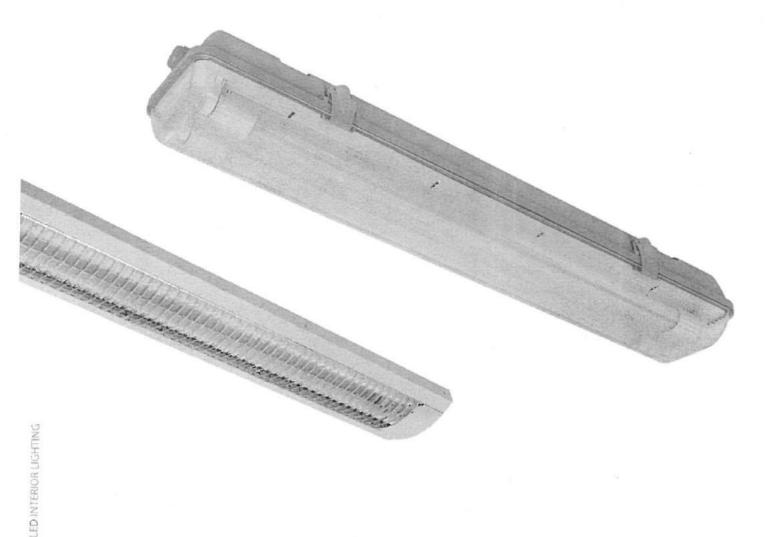


HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI

		DOX 50145, DOBAI	****
DRAWING	APPROVAL FOR	RM	
Project:			
Construction of 33KV substation at A	Al Lusaily, Dub	ai	
PO Number: 3761400029			
TYPE OF WORK CIVIL F/FIGHTING	AIR CO	NDITIONING [
PLUMBING ELI	ECTRICAL		
SUBMITTAL NO: L2 FROM : HASHEMI & RAHIMI CONT. CO TO : DUBAI ELECTRICITY & WATE		DATE:11/07/201	5
We confirm the following material conforms the requirement Specification and drawings approved of construction excepts Been reviewed in detail and will supply the submittal items in	as other wise stated. Mate	erial sources indicated	I have time. We
Request you approval for incorporation of the material in the	works.		
Description : 1200MM LONG -2 Material proposed : ELMARK-9BM21 Supplier : MASONS FZCO		ELIGHT	
Submitted by (contractor) standard date 11/07//2015 Signature P.O. Box: 30143 DUBAI - U.A.E.	Received by Signature	C	date
Approved with comments: Not approved-Returned for modification			
Signature: Date:			
commemnis: Approved Susject	to Pronde	3 years	untonthina
on			
60 (2) 122	23 00 2		
(a) Pro	4		





LED FIXTURES

Drivers features:

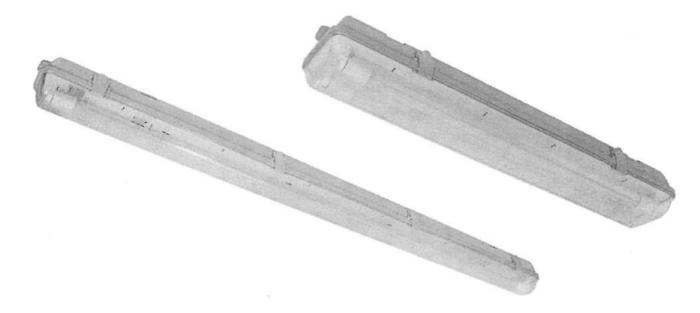
- · Low consumption
- · Compliance to worldwide safety regulations for lighting - Certificate: CE, ROHS, EMC, LVD
- · Type: constant current (CC/IC)
- · Structure: non isolated
- · Natural air cooled
- · 100% full-load aged
- · Working temperature up to 65°C
- High efficiency Long life span
- · High reliability



ELMARK

lighting

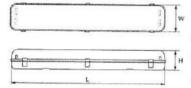
LED fixtures

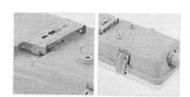






Watt	Colour temp. (K)	Colour body		Size (mm)			Packing
		Colou, body	Length	ength Width		Catalogue number	(pcs)
1X10W	6400	grey	670	86	100	9BM110LEDCW	12
1X10W	4000	grey	670	86	100	9BM110LED	12
2X10W	6400	grey	670	131	100	9BM210LEDCW	9
2X10W	4000	grey	670	131	100	9BM210LED	9
1X18W	6400	grey	1270	86	100	9BM118LEDCW	9
1X18W	4000	grey	1270	86	100	9BM118LED	9
2X18W	6400	grey	1270	131	100	9BM218LEDCW	6
2X18W	4000	grey	1270	131	100	9BM218LED	6
1X24W	6400	grey	1570	106	110	9BM124LEDCW	6
1X24W	4000	grey	1570	106	110	9BM124LED	6
2X24W	6400	grey	1570	166	110	9BM224LEDCW	4
2X24W	4000	grey	1570	166	110	9BM224LED	4

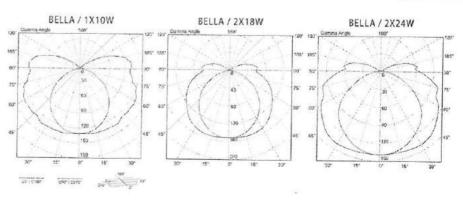




Body: polycarbonate (PC) | Diffuser: polycarbonate (PC) | Reflector: steel white | Clips: polycarbonate | Cable gland, metal clips for wall fixing. | Lumens of the LED tubes (lm): 10W - 850lm; 18W - 1700lm; 24W - 2100lm | Light source: LED tubes









HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI

	PO BOX 30143, DOBAL
DRAWING APP	ROVAL FORM
Project: Construction of 33KV substation at Al La PO Number: 3761400029	usaily, Dubai
TYPE OF WORK CIVIL F/FIGHTING PLUMBING ELECTR	AIR CONDITIONING
SUBMITTAL NO: L4 FROM : HASHEMI & RAHIMI CONT. CO. LLC TO : DUBAI ELECTRICITY & WATER AU	DATE:11/07/2015
We confirm the following material conforms the requirements of sp Specification and drawings approved of construction excepts as oth Been reviewed in detail and will supply the submittal items in confo Request you approval for incorporation of the material in the works.	er wise stated. Material sources indicated have ormity with the following and delivery on time. We
Description Material proposed Supplier : LED FLOOD LIGHT : ELMARK-99DS302 : MASONS FZCO	
Submitted by (contractor) date 11/07//2015 Signature DUEAL-U.A.E. 30143	Received by date Signature
Approved Approved with comments: Not approved-Returned for modification Signature: Date:	
COMMEMNTS: Data Sheel Resus	of Proposed not found.

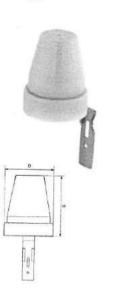


ELMARK

lighting

Sensors

Type	Rated current	Colour body	Size	(mm)		Packing
.,,,,,	nated canent	Colour body	Height	Diameter	Catalogue number	(pcs)
ST303	25A	white	70,5	78,3	99DS300	50



Туре	Rated current	Colour body	Size	(mm)		Packing
	nated carrent	Colour body	Height	Diameter	Catalogue number	(pcs)
ST302	10A	white	76,7	63	99D5301	100

Ambient light: <5 - 50lux (adjustable) IP44

Ambient light: <5 - 50lux (adjustable) IP44



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LIGHT-C	ONTROL S	ENSOR ST	308		₹C€
				time (Age and a large	
Type	Pated current	Colourhad	Size (mm)		Parking

Туре	Rated current	Colour body		Size (mm)	Court	Packing
		colour body	Length Width I		Height	Catalogue number	Packing (pcs)
ST308	20A	white	35	66	90	99D5302	100

Ambient light: <2 - 100lux (adjustable) IP65

LAMPS AND COMPONENTS

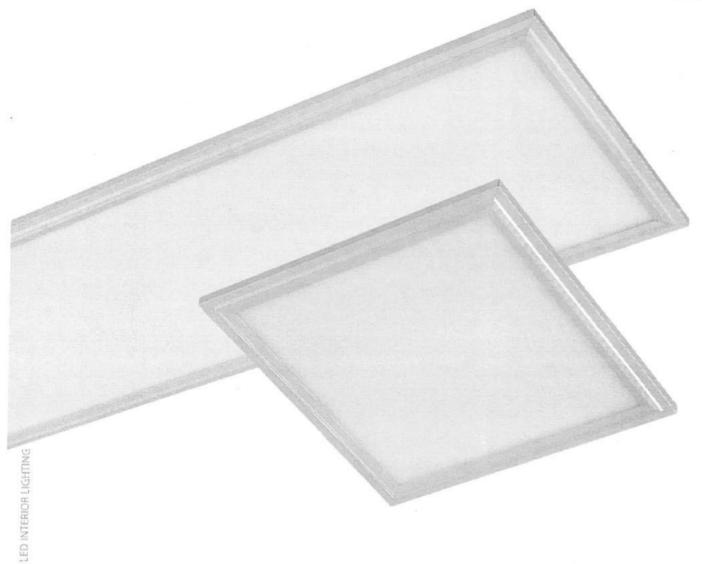


HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI

DRAWING APPROVAL FORM Project: Construction of 33KV substation at Al Lusaily, Dubai PO Number: 3761400029 TYPE OF WORK CIVIL F/FIGHTING [AIR CONDITIONING PLUMBING ELECTRICAL SUBMITTAL NO: L3 FROM : HASHEMI & RAHIMI CONT. CO. LLC. DATE:11/07/2015 TO : DUBAI ELECTRICITY & WATER AUTHORITY We confirm the following material conforms the requirements of specification, approved supplementary Specification and drawings approved of construction excepts as other wise stated. Material sources indicated have Been reviewed in detail and will supply the submittal items in conformity with the following and delivery on time. We Request you approval for incorporation of the material in the works. Description : 48 W LED PANEL LIGHT Material proposed : ELMARK-92PANEL014P Supplier : MASONS FZCO Submitted by (contractor) date 11/07//2015 Received by date P.O. Box: 30143 Signature Signature DUBAL-U.A.E DEWA: Approved Approved with comments: Not approved-Returned for modification Signature: Date: COMMEMNTS: Approved Subject to Providing 3 years unbording reflectment wounder.



LED Panels



LED PANELS

Drivers features:

- · Easy installation
- · Low consumption
- · Strong compatibility
- · Compliance to worldwide safety regulations for lighting
 - Certificate: CE, ROHS, EMC, LVD
 - Type: constant current (CC/IC)

- · Structure: isolated

- · International broad voltage AC input
- · Protection: electric shock
- Natural air cooled
- 100% full-load aged
- Working temperature up to 65°C
- · High efficiency, long life span, and high reliability



* Driver for LED round panel





LED	PANEL				Δ	* >/) [IP 2	RoHS EMC	FCE
Wart	LED chip lumens (lm)/	Whole	Colour temp.			Size (mm	Ú		Packing
Yeart	LED (pcs)	lumens (lm)	(K)	Colour body	Length	Width	Height	Catalogue number	(pcs)
24W	25/120	1900	4000-4300	aluminium	295	295	11	92PANEL012	5
36W	25/180	2880	4000-4300	aluminium	595	295	11	92PANEL013	5
48W	25/240	4000	4000-4300	aluminium	595	595	11	92PANEL014	5
48W	25/240	4000	4000-4300	aluminium	1195	295	11	92PANEL015	5

Suitable for mounting in suspended celling Armstrong type (in grid cellings) **Body:** aluminium | **Light source:** Epistar SMD4014 | **Starting time:** <0.5s | **Power factor:** λ>0.9

LED panels can be dimmed using a suitable dimmable driver and remote control.













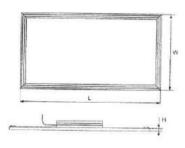


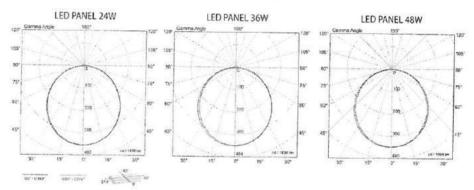
















ceiling Armstrong type

(in grid ceilings).

INSTALLATION ACCESSORIES FOR LED PANELS

Suspension wire for suspended mounting 4pcs/pack Catalogue number: 99ACC18 Packing (pcs): 1pack

CE



INSTALLATION ACCESSORIES FOR LED PANELS

Clips for mounting on plasterboard 4pcs/pack

Catalogue number: 99ACC21 Packing (pcs): 1pack

CE



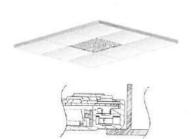
INSTALLATION ACCESSORIES FOR LED PANELS

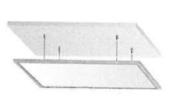
Fasteners for surface mounting 4pcs/pack Catalogue number: 99ACC22 Packing (pcs): 1pack

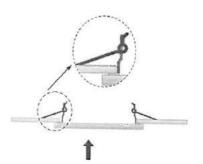
CE

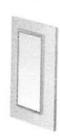


LED INTERIOR LIGHTING











HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI

DRAWING APPROVAL FORM Project: Construction of 33KV substation at Al Lusaily, Dubai PO Number: 3761400029 TYPE OF WORK CIVIL F/FIGHTING (AIR CONDITIONING PLUMBING ELECTRICAL SUBMITTAL NO: L5 FROM : HASHEMI & RAHIMI CONT. CO. LLC. DATE:11/07/2015 TO : DUBAI ELECTRICITY & WATER AUTHORITY We confirm the following material conforms the requirements of specification, approved supplementary Specification and drawings approved of construction excepts as other wise stated. Material sources indicated have Been reviewed in detail and will supply the submittal items in conformity with the following and delivery on time. We Request you approval for incorporation of the material in the works. Description : OCCUPANCY SENSORS Material proposed : ELMARK-99DS107 Supplier MASONS FZCO date 11/07//2015 Submitted by (contractor) Received by date 5. Box: 30143 Signature Signature DEWA: Approved Approved with comments: Not approved-Returned for modification Signature: Date: recommended by the manufacturer. Syears Warrety Certificate to be froided COMMEMNTS:



₹८€

(pcs)

50

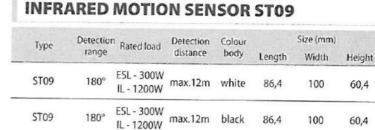
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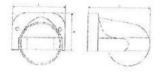


Catalogue Packing

number

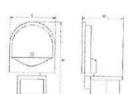
99DS105

99DS106



Time-Delay: 10sec ± 3sec to 7min ± 2min (adjustable) Ambient light: <3 - 2000lux (adjustable) Detection motion speed: 0.6 - 1.5m/s Installation height: 2.2 - 4m IP44





INFRARED MOTION SENSOR ST10A

FCE

Туре	Detection range	Rated load	Detection distance	Colour body	Length	Size (mm) Width	Height	Catalogue number	Packing (pcs)
ST10A	180°	ESL - 300W IL - 1200W	5-12m	white	87,4	120	144	99DS107	50

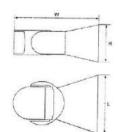




YEAR WARRANTY

Time-Delay: 10sec ± 3sec to 7min ± 2min (adjustable) Ambient light: <3 - 2000lux (adjustable) Detection motion speed: 0.6 - 1.5 m/s Installation height: 2.2 - 4m IP44





INFRARED MOTION SENSOR ST15

FCE

Туре	Detection	Rated load	Detection	Colour		Size (mm)		Catalogue	Packing
range	nated loca	distance	body	Length	Width	Height	number	(pcs)	
ST15	180°	ESL - 300W IL - 1200W	max.12m	white	80	117,2	31,5	99DS108	50





Time-Delay: 10sec ± 3sec to 7min ± 2min (adjustable) Ambient light: <3 - 2000lux (adjustable) Detection motion speed: 0.6 - 1.5m/s Installation height: 2.2 - 4m IP65



HASHEMI & RAHIMI CONT.CO. LLC.

CLIENT: DOBATELECTRICITY AND WATER AUTHORITY	PO BOX 30143, DU	
DRAWING APPI	ROVAL FORM	
Project: Construction of 33KV substation at Al Lu	ısaily, Dubai	2
PO Number:3761400029		100-10
TYPE OF WORK CIVIL F/FIGHTING	AIR CONDITIONING	ì
PLUMBING ELECTRI	CAL	
SUBMITTAL NO: WI FROM: HASHEMI & RAHIMI CONT. CO. LLC TO: DUBAI ELECTRICITY & WATER AUT		/2015
10 . DOBAI ELLETRICITT & WATER AUT	HORTT	
We confirm the following material conforms the requirements of specification and drawings approved of construction excepts as othe Been reviewed in detail and will supply the submittal items in conformation.	r wise stated. Material sources indi	cated have
Request you approval for incorporation of the material in the works.		
Description : Exhaust fan Material proposed : KDK, 12' - MODEL NO Supplier : Prakash trading Origin : Japan Manufacturer : KDK	-30GSC	
Submitted by (contractor) date 11/07//2015	Received by	date
Signature P.O. Box: 30143 DUBAL U.A.E.	Signature	
DEWA:		
Approved Approved with comments: Not approved-Returned for modification		
Signature: Date:		
COMMEMNTS:		
Fans Shau be Oferated Shutters.	Provided wish	- gravity
Oferated Shoutfers.		
D.		
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CLIENT: DUBA I ELECTRICITY AND WATER AUTHORITY	HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI
APPROVAL FO	DRM
Project:	
Extension and modification of Faqaa 33KV sa	ubstation at Al Fagaa, Dubai
PO Number:3761400006	
TYPE OF WORK CIVIL F/FIGHTING	AIR CONDITIONING
PLUMBING ELECTRICAL	
SUBMITTAL NO: ÉS FROM : HASHEML& RAHIMI CONT. CO. LLC. FO : DUBAI ELECTRICITY & WATER AUTHORI	DATE:17/01/2015
We confirm the following material conforms the requirements of specification and drawings approved of construction excepts as other wise seen reviewed in detail and will supply the submittal items in conformity was equest you approval for incorporation of the material in the works.	stated. Material sources indicated have
Description : Exhaust fan Material proposed : KDK, 12'	
Supplier Prakash trading	
Origin : Japan	
Manufacturer KDK	
ignature date (7) NOT Received by Signature	date
7	
PERIA.	
Approved pproved with comments: of approved-Returned for modification	
ignature: Date:	
OMMEMNIS: KDK Make Midel AO	30GSC is opposed.
OMMEMNIS: KDK Make, model 1/2 (A) Number of Jans Shall (Se M Per approved
Shop drawigh. "Lastall	alon 19 for Manyall
reccomendations. Fours st	fall have Fraisty of asked
a) Shipters.	

' Reversible * Single-phase طراز انعكاسي طرر أحادي (1) قال 25GSC 250 327 298 30GSC 300 378 35GSC 350 467 334 250 236 12 Watt R.P.M Air Volume CMH(CFM) Noise dB(A) Weight (kg) 1,360 47 1,560 1,250 (735)

>> 40GSC /45GSC /50GSC /60GSC (Single Phase Reversible Type)

1,360

1,560

1,420



- Reversible
- * Single-phase

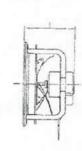
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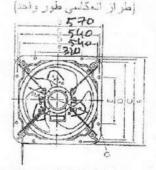
ه طراز العكاسي
 ه طور أحادي (١) قال



1,820 (1.071)

2.080 (1,224)

2.560 (1.506) 2.940 (1.730)



38

6.1

40GSC	45GSC
10) 11	16 1
3	170 27 1 1 2 2 2
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10 \$ (V)	
5 2 1	
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A D O O D T A PO	0 0 16 12 60 12 120 18 120 9 Valence (Chang
\$eG5C	40GSC
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100 11 10 10 10 10 10 10 10 10 10 10 10	CO C
(a) 11 (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	CO C
100 E E E E E E E E E E E E E E E E E E	(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4

Model No	A	В	C	D			G
40GSC	400	518	485	460	280	0.74	12
45GSC	450	570	540	-	320	297	12
50GSC	500	659	620	560	355	315	115
80GSC	620	760	720	650	400	320	15

HZ	Watt	R.P.M	Air Volume CMH (CFM)	Noise dB(A)	Weight (kg)	
	121	1,450	1610 (2324)	47)	190	
50	227	1,410	5,200 (3,060)	51		
60	325	1,630	5,970 (3,513)	54	19.0	
50	249	960	6,130 (3,608)	347	Service	
60	326	1.130	7,100 (4,179)	51	22.5	
50	245	970	8.040 (4.732)	50	THE STATE OF	
60	361	1.150	9,410 (5,538)	54	34.0	

All values in the specification tables are at 220v, 50/60 H



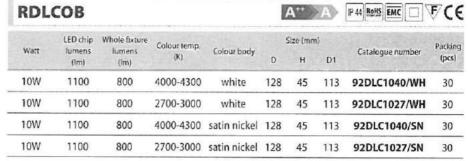
HASHEMI & RAHIMI CONT.CO. LLC. PO BOX 30143, DUBAI

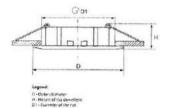
PO BOX 30143, DUBAI					
DRAWING APPROVAL FORM					
Project:					
Construction of 33KV substation at Al Lusaily, Dubai					
PO Number: 3761400029 TYPE OF WORK					
CIVIL F/FIGHTING	AIR CONDITIONING				
PLUMBING ELECTRICAL					
SUBMITTAL NO: W1 FROM : HASHEMI & RAHIMI CONT. CO. LLC. DATE:11/07/2015 TO : DUBAI ELECTRICITY & WATER AUTHORITY					
We confirm the following material conforms the requirements of specification, approved supplementary Specification and drawings approved of construction excepts as other wise stated. Material sources indicated have Been reviewed in detail and will supply the submittal items in conformity with the following and delivery on time. We					
Request you approval for incorporation of the material in the works.					
Description : 15 W LED down light Material proposed : ELMARK-92DLC1527/WH Supplier : MASONS FZCO					
Submitted by (contractor) date 11/07//2015	Received by date				
Signature P.O. Box: 30143 DUBAI - U.A.E.	Signature				
DEWA:					
Approved Approved with comments: Not approved-Returned for modification					
Signature: Date:					
COMMEMNTS: Approved Subject to froviding 3 years Un Codifinal replacement warranty.					
Un Codhinal replacement warranty.					
Ac.					



LED Downlight fixtures







Body: aluminium | Diffuser: glass | Light source: Epistar Power factor: $\lambda > 0.9$ | Starting time: < 0.5s | LED recessed round downlight COB. Easy installation due to handy clips.





























RDLCOB A" A IP 44 RoHS EMC | F CE LED chip Whole fixture Colour temp. Packing Watt lumens lumens Colour body Catalogue number (K) D (pcs) H DI (im) (lm) 15W 1650 1200 4000-4300 white 165 50 150 92DLC1540/WH 30 15W 1650 1200 2700-3000 white 165 92DLC1527/WH 50 150 30 15W 1650 1200 4000-4300 satin nickel 165 50 150 92DLC1540/SN 30 15W 1650 1200 2700-3000 satin nickel 165 50 150 92DLC1527/SN 30



Body: aluminium | Diffuser: glass | Light source: Epistar Power factor: \(\lambda > 0.9\) Starting time: <0.5s | LED recessed round downlight COB. Easy installation due to handy clips.



















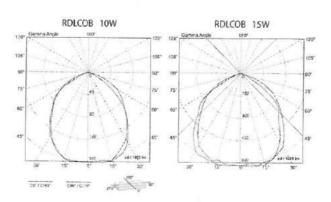












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