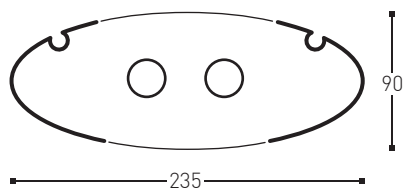


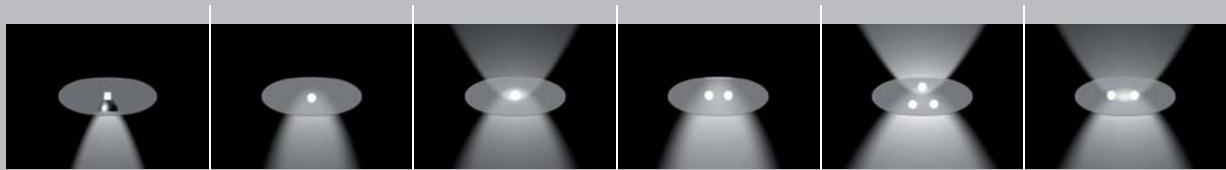


Migliorino Offices

235  
elliptical



2 3 5 e l l i p t i c a l



other configurations may be possible

diffusers



clear reeded acrylic



microsphere frosted acrylic



cross blade louvre



parabolic louvre semi-specular



clear reeded acrylic (indirect)



microsphere frosted acrylic (indirect)

asymmetric option also available

lamp units

Fluorescent Lamps		 non-continuous control gear between lamp ends		 continuous control gear behind lamp	
Lamp Type	W	Lamp Unit Length (ECG)			
		a		b	
		non dim	dim		
T16/T5 	14W/24W	-	-	580	
	21W/39W	-	-	880	
	28W/54W	-	-	1180	
	35W/80W	-	-	1480	
T26/T8 	18W	-	-	620	
	30W	-	-	925	
	36W	-	-	1230	
	58W	-	-	1530	
TCS 	5W	290	-	110	
	7W	320	-	140	
	9W	350	-	170	
	11W	420	-	240	
TCL 	18W	480	660	230	
	24W	585	775	335	
	36W	675	855	425	
	55W	905	975	545	

Use continuous lamp unit lengths plus a 50mm space between lamp units when using low brightness parabolic (VDU) louvres

Downlights		 a      b		 c	
Lamp Type	W	a	b	c	
MR11 fixed/adj 	20W/35W	120	205	290	
MR16 adj 	20W/35W/50W	150	250	350	

Linear		 a      a	
Lamp Type	W	a†	
HIT-DE fixed 	70W/150W	750	
QT-DE 	100W/200W 300W	750	

† Allows for control gear and heat dissipation, may vary.

Unit lengths are approximate and may vary  
Specifications subject to change without notice



ends



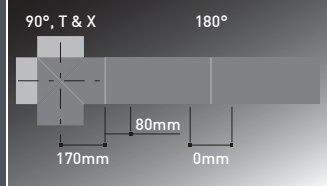
suspension



connectors



custom angled connectors  
available on request



space requirements

180° coupling is possible mid lamp unit  
depending on optic and control gear choice.  
180° coupling is always preferable between  
lamp units. 150mm should be allowed.

packaging



finish

- clear anodised
- matt textured silver
- matt textured white
- other colour

see [kliksystems.com](http://kliksystems.com) for current colour  
availability.

accessories



- 1 adjustable low voltage MR16 downlights
  - 2 emergency systems
  - 3 concealed PA speaker systems.
- other accessories available on request

photometrics



photometric files available for  
download from [kliksystems.com](http://kliksystems.com)

**IP** IP versions  
available  
on request

# 235 elliptical pre-configured



1. Choose your item and lamp unit configuration from the tables on the following pages.

2-6 Select your preferred options from the choices 2 to 6 on the right

7. See an example product specification at the bottom of the page

## 1. part no.

choose the desired configuration from the tables on the following pages

235E152	3x2/80W	4X1/MR16 50W	MSF or CBL		5200
235E153	3x2/28W	4X1/MR16 50W	MSF or CBL	CR	4300
235E154	3x2/35W	4X1/MR16 50W	MSF or CBL	CR	5200

## 2. optic (direct)



microsphere frosted acrylic (MSF) - 21

cross blade louvre (CBL) - 22

no optic direct downlight only - 24

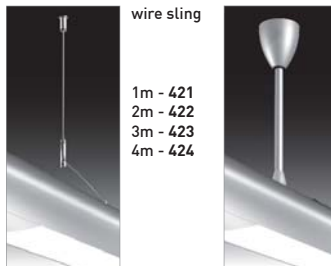
## 3. dimming



non-dim 31  
1-10V 32  
DSI 33  
DALI 34

specify circuit(s) to dim

## 4. suspension



wire sling

rod

1m - 421  
2m - 422  
3m - 423  
4m - 424

600mm - 441  
1.2m - 442

## 5. end



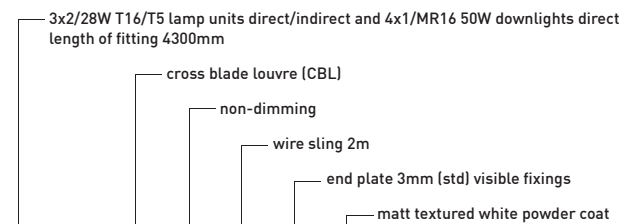
end plate 3mm (std) visible fixings 51

end plate 5mm concealed fixings 52

## 6. colour finish



## 7. example



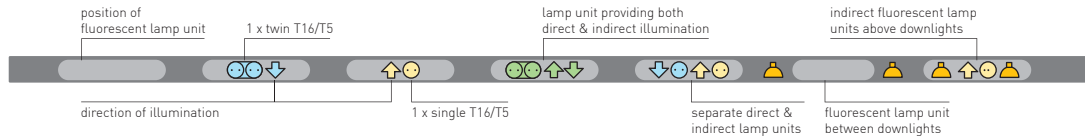
1	2	3	4	5	6	<b>Final product specification</b>
235E153	22	31	422	51	63	235E153 . 22 . 31 . 422 . 51 . 63

Fluorescent lamps will be supplied in colour 840 unless specified otherwise, please specify wattage and beam angle of downlights. All downlights are adjustable where possible



Lamp orientation legend

Lamp colours represent separate switch wiring ■ ■ ■ ■



■ Data is approximate and subject to change without notice. Product images are representations only - actual product may vary.

part no.	direct	downlight	indirect	optic direct	optic indirect	length (mm)	weight (kgs)	pack size (mm)			cubic m <sup>3</sup>
235E101	1x2/28W			MSF or CBL		1380	8.7	120	265	1580	0.050
235E102	1x2/35W			MSF or CBL		1680	10.6	120	265	1880	0.060
235E103	1x2/54W			MSF or CBL		1380	8.7	120	265	1580	0.050
235E104	1x2/80W			MSF or CBL		1680	10.6	120	265	1880	0.060
235E105	1x2/28W			MSF or CBL	CR	1380	8.7	120	265	1580	0.050
235E106	1x2/35W			MSF or CBL	CR	1680	10.6	120	265	1880	0.060
235E107	1x2/54W			MSF or CBL	CR	1380	8.7	120	265	1580	0.050
235E108	1x2/80W			MSF or CBL	CR	1680	10.6	120	265	1880	0.060
235E109	2x2/28W			MSF or CBL		2640	16.6	120	265	2840	0.090
235E110	2x2/35W			MSF or CBL		3240	20.4	120	265	3440	0.109
235E111	2x2/54W			MSF or CBL		2640	16.6	120	265	2840	0.090
235E112	2x2/80W			MSF or CBL		3240	20.4	120	265	3440	0.109
235E113	2x2/28W			MSF or CBL	CR	2640	16.6	120	265	2840	0.090
235E114	2x2/35W			MSF or CBL	CR	3240	20.4	120	265	3440	0.109
235E115	2x2/54W			MSF or CBL	CR	2640	16.6	120	265	2840	0.090
235E116	2x2/80W			MSF or CBL	CR	3240	20.4	120	265	3440	0.109
235E117	3x2/28W			MSF or CBL		3900	24.6	120	265	4100	0.130
235E118	3x2/35W			MSF or CBL		4800	30.2	120	265	5000	0.159
235E119	3x2/54W			MSF or CBL		3900	24.6	120	265	4100	0.130
235E120	3x2/80W			MSF or CBL		4800	30.2	120	265	5000	0.159
235E121	3x2/28W			MSF or CBL	CR	3900	24.6	120	265	4100	0.130
235E122	3x2/35W			MSF or CBL	CR	4800	30.2	120	265	5000	0.159
235E123	3x2/54W			MSF or CBL	CR	3900	24.6	120	265	4100	0.130
235E124	3x2/80W			MSF or CBL	CR	4800	30.2	120	265	5000	0.159
235E125	1x2/28W	2X1/MR16 50W		MSF or CBL		1580	10.0	120	265	1780	0.057
235E126	1x2/35W	2X1/MR16 50W		MSF or CBL		1880	11.8	120	265	2080	0.066
235E127	1x2/54W	2X1/MR16 50W		MSF or CBL		1580	10.0	120	265	1780	0.057
235E128	1x2/80W	2X1/MR16 50W		MSF or CBL		1880	11.8	120	265	2080	0.066
235E129	1x2/28W	2X1/MR16 50W		MSF or CBL	CR	1580	10.0	120	265	1780	0.057
235E130	1x2/35W	2X1/MR16 50W		MSF or CBL	CR	1880	11.8	120	265	2080	0.066
235E131	1x2/54W	2X1/MR16 50W		MSF or CBL	CR	1580	10.0	120	265	1780	0.057
235E132	1x2/80W	2X1/MR16 50W		MSF or CBL	CR	1880	11.8	120	265	2080	0.066
235E133		2X1/MR16 50W	1x2/28W		CR	1580	10.0	120	265	1780	0.057
235E134		2X1/MR16 50W	1x2/35W		CR	1880	11.8	120	265	2080	0.066
235E135		2X1/MR16 50W	1x2/54W		CR	1580	10.0	120	265	1780	0.057
235E136		2X1/MR16 50W	1x2/80W		CR	1880	11.8	120	265	2080	0.066
235E137	2x2/28W	3X1/MR16 50W		MSF or CBL		2940	18.5	120	265	3140	0.100
235E138	2x2/35W	3X1/MR16 50W		MSF or CBL		3540	22.3	120	265	3740	0.119
235E139	2x2/54W	3X1/MR16 50W		MSF or CBL		2940	18.5	120	265	3140	0.100
235E140	2x2/80W	3X1/MR16 50W		MSF or CBL		3540	22.3	120	265	3740	0.119

preconfigured

235E

Consider transport and site access when ordering long lengths.

If you don't see a configuration you like, no problem, **KLIK** can custom make to your unique specifications.

Just turn back to the **made to measure** pages and follow the specification instructions, or call your local **KLIK** representative.



part no.	direct	downlight	indirect	optic direct	optic indirect	length (mm)	weight (kgs)	pack size h x w x l (mm)			cubic m <sup>3</sup>
235E141	2x2/28W	3X1/MR16 50W		MSF or CBL	CR	2940	18.5	120	265	3140	0.100
235E142	2x2/35W	3X1/MR16 50W		MSF or CBL	CR	3540	22.3	120	265	3740	0.119
235E143	2x2/54W	3X1/MR16 50W		MSF or CBL	CR	2940	18.5	120	265	3140	0.100
235E144	2x2/80W	3X1/MR16 50W		MSF or CBL	CR	3540	22.3	120	265	3740	0.119
235E145		3X1/MR16 50W	2x2/28W		CR	2940	18.5	120	265	3140	0.100
235E146		3X1/MR16 50W	2x2/35W		CR	3540	22.3	120	265	3740	0.119
235E147		3X1/MR16 50W	2x2/54W		CR	2940	18.5	120	265	3140	0.100
235E148		3X1/MR16 50W	2x2/80W		CR	3540	22.3	120	265	3740	0.119
235E149	3x2/28W	4X1/MR16 50W		MSF or CBL		4300	27.1	120	265	4500	0.143
235E150	3x2/35W	4X1/MR16 50W		MSF or CBL		5200	32.8	120	265	5400	0.172
235E151	3x2/54W	4X1/MR16 50W		MSF or CBL		4300	27.1	120	265	4500	0.143
235E152	3x2/80W	4X1/MR16 50W		MSF or CBL		5200	32.8	120	265	5400	0.172
235E153	3x2/28W	4X1/MR16 50W		MSF or CBL	CR	4300	27.1	120	265	4500	0.143
235E154	3x2/35W	4X1/MR16 50W		MSF or CBL	CR	5200	32.8	120	265	5400	0.172
235E155	3x2/54W	4X1/MR16 50W		MSF or CBL	CR	4300	27.1	120	265	4500	0.143
235E156	3x2/80W	4X1/MR16 50W		MSF or CBL	CR	5200	32.8	120	265	5400	0.172
235E157		4X1/MR16 50W	3x2/28W		CR	4300	27.1	120	265	4500	0.143
235E158		4X1/MR16 50W	3x2/35W		CR	5200	32.8	120	265	5400	0.172
235E159		4X1/MR16 50W	3x2/54W		CR	4300	27.1	120	265	4500	0.143
235E160		4X1/MR16 50W	3x2/80W		CR	5200	32.8	120	265	5400	0.172
235E161	1x2/28W	2X2/MR16 50W		MSF or CBL		1780	11.2	120	265	1980	0.063
235E162	1x2/35W	2X2/MR16 50W		MSF or CBL		2080	13.1	120	265	2280	0.073
235E163	1x2/54W	2X2/MR16 50W		MSF or CBL		1780	11.2	120	265	1980	0.063
235E164	1x2/80W	2X2/MR16 50W		MSF or CBL		2080	13.1	120	265	2280	0.073
235E165	1x2/28W	2X2/MR16 50W		MSF or CBL	CR	1780	11.2	120	265	1980	0.063
235E166	1x2/35W	2X2/MR16 50W		MSF or CBL	CR	2080	13.1	120	265	2280	0.073
235E167	1x2/54W	2X2/MR16 50W		MSF or CBL	CR	1780	11.2	120	265	1980	0.063
235E168	1x2/80W	2X2/MR16 50W		MSF or CBL	CR	2080	13.1	120	265	2280	0.073
235E169		2X2/MR16 50W	1x2/28W		CR	1780	11.2	120	265	1980	0.063
235E170		2X2/MR16 50W	1x2/35W		CR	2080	13.1	120	265	2280	0.073
235E171		2X2/MR16 50W	1x2/54W		CR	1780	11.2	120	265	1980	0.063
235E172		2X2/MR16 50W	1x2/80W		CR	2080	13.1	120	265	2280	0.073
235E173	2x2/28W	3X2/MR16 50W		MSF or CBL		3240	20.4	120	265	3440	0.109
235E174	2x2/35W	3X2/MR16 50W		MSF or CBL		3840	24.2	120	265	4040	0.128
235E175	2x2/54W	3X2/MR16 50W		MSF or CBL		3240	20.4	120	265	3440	0.109
235E176	2x2/80W	3X2/MR16 50W		MSF or CBL		3840	24.2	120	265	4040	0.128
235E177	2x2/28W	3X2/MR16 50W		MSF or CBL	CR	3240	20.4	120	265	3440	0.109
235E178	2x2/35W	3X2/MR16 50W		MSF or CBL	CR	3840	24.2	120	265	4040	0.128
235E179	2x2/54W	3X2/MR16 50W		MSF or CBL	CR	3240	20.4	120	265	3440	0.109
235E180	2x2/80W	3X2/MR16 50W		MSF or CBL	CR	3840	24.2	120	265	4040	0.128

Consider transport and site access when ordering long lengths.



part no.	direct	downlight	indirect	optic direct	optic indirect	length (mm)	weight (kgs)	pack size h x w x l (mm)			cubic m <sup>3</sup>
235E181		3X2/MR16 50W	2x2/28W		CR	3240	20.4	120	265	3440	0.109
235E182		3X2/MR16 50W	2x2/35W		CR	3840	24.2	120	265	4040	0.128
235E183		3X2/MR16 50W	2x2/54W		CR	3240	20.4	120	265	3440	0.109
235E184		3X2/MR16 50W	2x2/80W		CR	3840	24.2	120	265	4040	0.128
235E185	3x2/28W	4X2/MR16 50W		MSF or CBL		4700	29.6	120	265	4900	0.156
235E186	3x2/35W	4X2/MR16 50W		MSF or CBL		5600	35.3	120	265	5800	0.184
235E187	3x2/54W	4X2/MR16 50W		MSF or CBL		4700	29.6	120	265	4900	0.156
235E188	3x2/80W	4X2/MR16 50W		MSF or CBL		5600	35.3	120	265	5800	0.184
235E189	3x2/28W	4X2/MR16 50W		MSF or CBL	CR	4700	29.6	120	265	4900	0.156
235E190	3x2/35W	4X2/MR16 50W		MSF or CBL	CR	5600	35.3	120	265	5800	0.184
235E191	3x2/54W	4X2/MR16 50W		MSF or CBL	CR	4700	29.6	120	265	4900	0.156
235E192	3x2/80W	4X2/MR16 50W		MSF or CBL	CR	5600	35.3	120	265	5800	0.184
235E193		4X2/MR16 50W	3x2/28W		CR	4700	29.6	120	265	4900	0.156
235E194		4X2/MR16 50W	3x2/35W		CR	5600	35.3	120	265	5800	0.184
235E195		4X2/MR16 50W	3x2/54W		CR	4700	29.6	120	265	4900	0.156
235E196		4X2/MR16 50W	3x2/80W		CR	5600	35.3	120	265	5800	0.184
235E197		Twin MR16 50W				250	1.6	120	265	450	0.014
235E198		Triple MR16 50W				350	2.2	120	265	550	0.017
235E199		Quad MR16 50W				450	2.8	120	265	650	0.021
235E200		2X1/MR16 50W				710	4.5	120	265	910	0.029
235E201		3X1/MR16 50W				1210	7.6	120	265	1410	0.045
235E202		4X1/MR16 50W				1710	10.8	120	265	1910	0.061
235E203		2X2/MR16 50W				910	5.7	120	265	1110	0.035
235E204		3X2/MR16 50W				1510	9.5	120	265	1710	0.054
235E205		4X2/MR16 50W				2110	13.3	120	265	2310	0.073

pre configured

235E

Consider transport and site access when ordering long lengths.

control gear for twin, triple and quad fittings to be ceiling mounted or located in ceiling space

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