

GT

GRUPPO TECNOIMPRESE S.r.l.

CITTA' DI TORINO

**OPERE DI MANUTENZIONE STRAORDINARIA DEGLI IMPIANTI
ELETTRICI DEL PALAZZO CIVICO
SITO IN TORINO - PIAZZA PALAZZO DI CITTÀ' N.1**

QUALITA' E PROVENIENZA MATERIALI

Torino, Luglio 1997

XIXIX-ELPPp.
1259
PROT. DATA 01 AGO. 1997
CAGAT - - GL - - FASC

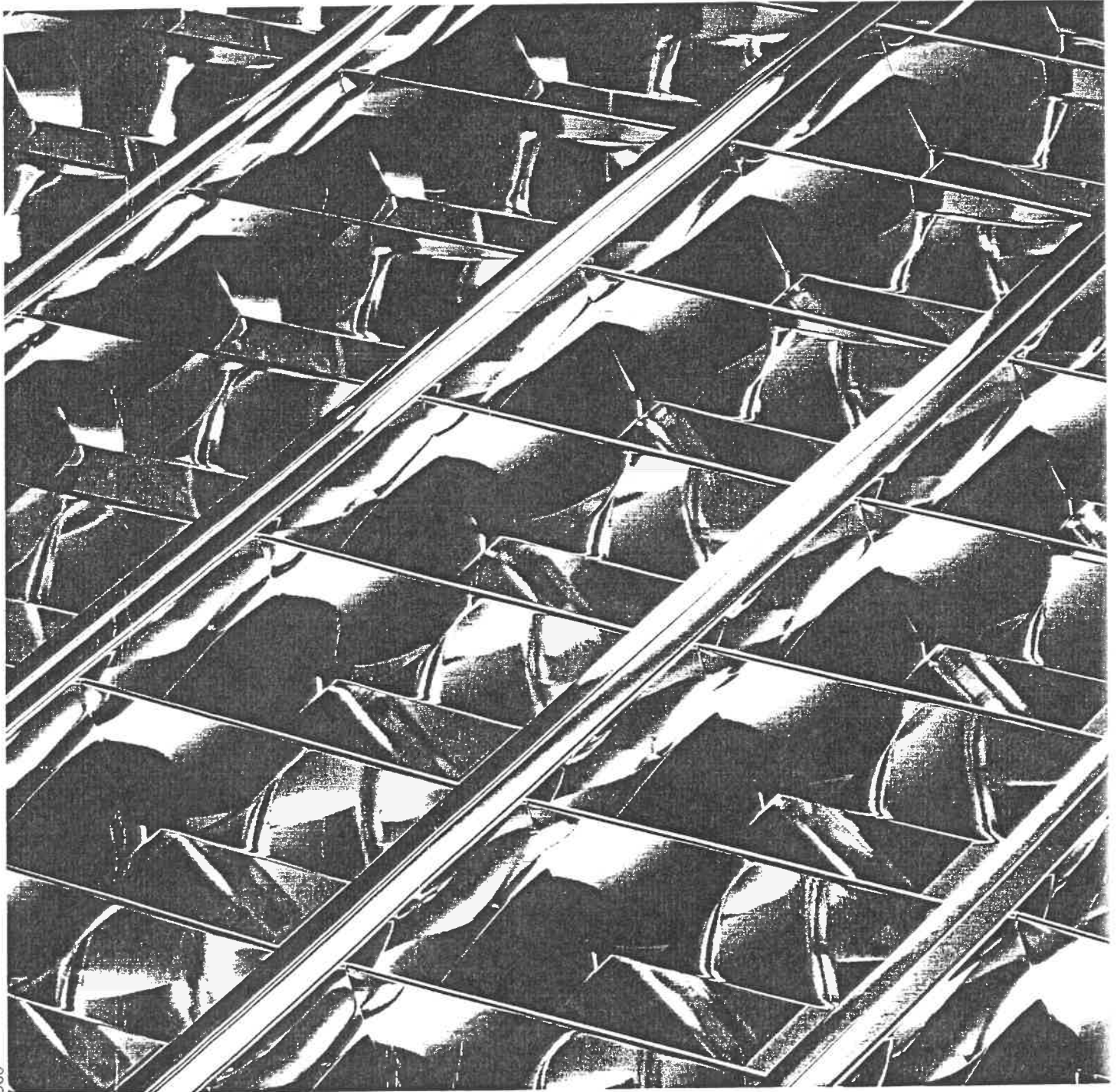


Descrizione sommaria	Utilizzo	Articolo di Elenco	Prezzo di Elenco	Prezzo netto (sconto contrattuale 18,68%)	Casa costruttrice	Tipo / Articolo	Note
APPARECCHI ILLUMINANTI							
Sola fornitura di apparecchio di illuminazione per tubi fluorescenti con ottica lamellare in alluminio anodizzato a specchio 8 micron 1x58 W (escluso il tubo).	Illuminazione uffici	161) 46/VA b	366.500	298.037	<i>Trilux</i>	TX 5081 RPH 58 /l /S con cablaggio induttivo TX 5081 RPH 58 /K /S con cablaggio capacitivo	
Sola fornitura di apparecchio di illuminazione per tubi fluorescenti con ottica lamellare in alluminio anodizzato a specchio 8 micron 1x36 W (esclusi i tubi).	Illuminazione uffici	161) 46/VA a	329.000	267.542	<i>Trilux</i>	TX 5081 RPH 36 /l /S con cablaggio induttivo TX 5081 RPH 36 /K /S con cablaggio capacitivo	
Sola fornitura di apparecchio di illuminazione per tubi fluorescenti con ottica lamellare in alluminio anodizzato 8 micron 1x36 W (escluso	Illuminazione corridoi	156) 44/VA a	183.000	148.815	<i>Trilux</i>	TX 5081 RSB 36 /l /S con cablaggio induttivo TX 5081 RSB 36 /K /S con cablaggio capacitivo	
Sola fornitura di apparecchio di illuminazione per tubi fluorescenti con corpo in poliestere e schermo in policarbonato, IP65, 2x36 W (tubi compresi).	Servizi, depositi, locali umidi, locali tecnici	P61.E70.020/ G	137.000	111.408	<i>Filippi</i>	PC 3F liscia o Linda	
Tubo fluorescente 18 W I.R.C. 86		171) 76/VA a	7.300	5.936			
Tubo fluorescente 36 W I.R.C. 86		171) 76/VA b	7.300	5.936			
Tubo fluorescente 58 W I.R.C. 86		171) 76/VA c	9.200	7.481			
Sola fornitura di apparecchio di illuminazione per tubi fluorescenti con corpo e schermo in policarbonato, IP65, 1x36 W (tubo compreso).	Servizi, depositi, locali umidi, locali tecnici	P61.E70.015/ B	102.000	82.946	<i>Filippi</i>	PC 3F liscia o Linda	
Proiettore per esterno con lampada a ioduri metallici da 150 W	Illuminaz. zona artistica	197) D/NP3	564.000	458.644	<i>Disano</i>	Litio	

ILLUMINAZIONE DI SICUREZZA						
Sola fornitura apparecchio autoalimentato per illuminazione di sicurezza, 1x18W, autonomia 1 ora, con autoverifica e dispositivo di scarica programmata	229) M/NP5 b	206.800	168.169	OVA	Europa Intelligent 20/1 art. 37382/S	
CANALIZZAZIONI						
Binario metallico per installazione plafoniere, 51x20 mm	73) 59/VA	20.500	16.670	General Electric	GOJA XB 3000 + accessori	
QUADRI DI LOCALE						
Centralini da incasso per quadretti di locale a 1 partenza (8 moduli)	61) CNP 5a	62.000	50.418	Gewiss	GW 40205	
Centralini da incasso per quadretti di locale a 2 partenze (12 moduli)	61) CNP 5b	77.000	62.616	Gewiss	GW 40207	
IAMTD 6 kA per quadretti di locale	33) 33/VA 1b	131.000	106.529	ABB <i>Elettrocond.</i>	Il n° di articolo degli apparecchi è indicato sugli schemi	
QUADRI DI PIANO						
Carpenterie per quadri di piano				ABB Turati	Vedere distinta a parte	
Apparecchi per quadri di piano				ABB <i>Elettrocond.</i>	Il n° di articolo degli apparecchi è indicato sugli schemi	
QUADRO GENERALE						
Carpenteria per quadro generale				ABB Turati	Vedere distinta a parte	
Apparecchi per quadro generale a 6 partenze				ABB <i>Elettrocond.</i>	Il n° di articolo degli apparecchi è indicato sugli schemi	

TH

Interior Lighting



Surface luminaires with DARKLIGHT specular parabolic louvres RPH

To provide a high standard of glare-free lighting of work stations in which VDTs are used intermittently, in office, sales and display areas: also for banking and counter halls.

Specular parabolic louvre RPH

Highly specular. Limited luminance ($L \leq 200 \text{ cd/m}^2$) above 60° cut-off angle. High light output ratios thanks to the

double parabolic optics. Louvre in very high purity aluminium (99.98%), electro-polished and post-anodized. Thickness of anodizing on photometrically-effective surfaces $\geq 8 \mu\text{m}$. No disturbing iridescence phenomena when using triphosphor lamps.

Louvre attachment

Safe retention of louvre by self-retracting, spring-tensioned clips providing earth continuity. Louvre can be lowered and hung from either side without tools.

Luminaire body

Of traditional design. Sheet steel, stove-enamelled, white. 5081, 5082 with knock-outs at each end for through-wiring inside the luminaire using heat-resistant, single-conductor cables. See page 305. Cables mechanically protected by grommet or by gland Pg 11, to be supplied by the contractor.

Electrical connection With heat-resistant wiring, ready for connection, and complete with low-loss

inductive ballasts. 5081, 5082 with 4-pole terminal block (5084 with 3-pole terminal block), and earth connection for wire up to 2.5 mm^2 . Screwless terminals with quick-release buttons enable lamp circuits to be rearranged without tools for separate switching. Incoming wiring is mechanically protected by double grommet.

Luminaires can be supplied with high-frequency ballasts. Ordering suffix: ...EVG,

eg 5081 W-RPH/58 EVG.

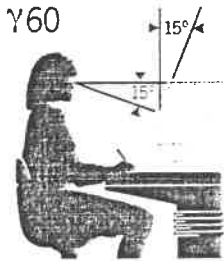
5081, 5082

Installation also possible on wires, pendants or trunking: see pages 302 to 304. Balance weight is required for suspended installation of single-lamp luminaires. Please order balance weight separately:

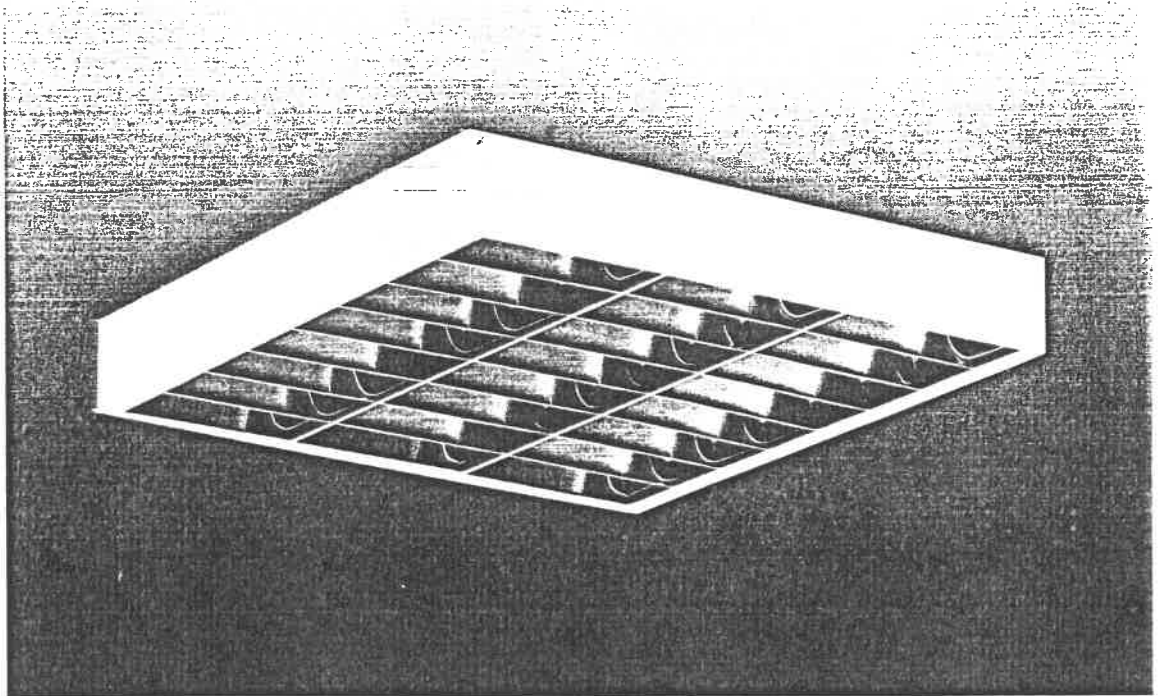
05081 A/36
for 5081 W-RPH/36
05081 A/58
for 5081 W-RPH/58

Reference No.
5084 W-RPH/3x18

Lamps	Data table	Dimensions in mm			ca. kg
		D	E	E1	
3x18W	013	440	220	119	7.5



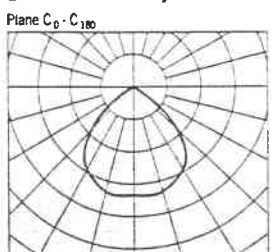
Y60
Y65
Cat. CIBSE LG 3 see also page 313



IP 20 degree of protection
approval marks

Data table 013

1 Luminous Intensity Distribution



2 Reference Glare Index RGI

Reflectances C/W/F 0.7/0.5/0.2 1450 lm
 $Y_4=4.7 \text{ m}$ $Y_8=8.14 \text{ m}$ $h_1=2.0 \text{ m}$ $h_2=1.8 \text{ m}$

Luminaire 5084 W-RPH/3x18

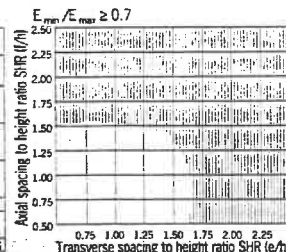
3 Luminous Intensity Distribution

Values in cd/klm		Room reflectances		Room index					
G/C	0°	30°	60°	90°	G/C	0°	30°	60°	90°
0°	334	334	334	334	50°	122	137	148	123
5°	336	337	338	339	55°	53	74	99	64
10°	338	340	336	336	60°	11	25	32	7
15°	333	337	329	324	65°	4	6	2	1
20°	322	327	318	307	70°	1	2	0	0
25°	308	312	300	290	75°	0	0	0	0
30°	292	293	279	267	80°	0	0	0	0
35°	271	272	253	239	85°	0	0	0	0
40°	233	239	224	207	90°	0	0	0	0
45°	182	193	189	172					

4 Utilisation factors UF(F)/%

LOR=0.65 DLOR=0.65 ULOR=0.00 DFF=1.00		Room reflectances		Room index							
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.7	0.5	0.2	46	53	57	60	63	66	67	65	70
0.3	42	49	54	57	61	63	65	67	65	68	70
0.1	39	46	50	53	57	60	63	65	65	67	68
0.5	0.5	0.2	45	52	56	58	61	64	65	67	68
0.3	42	48	53	55	59	62	63	65	65	67	68
0.1	39	46	50	53	57	60	63	65	65	67	68
0.3	0.5	0.2	44	51	54	57	60	62	63	64	65
0.1	41	48	52	54	58	60	61	63	64	64	65
0.0	38	44	48	51	54	56	58	59	59	60	61
0.0	1	1	1	1	1	1	1	1	1	1	1
B2 Class	1	1	1	1	1	1	1	1	1	1	1
Direct lamp	58	68	74	76	83	85	89	91	93		
CE Fan Code	69	99	100	100	65						

5 Illuminance Uniformity



Ceiling mounting, working plane 0.85 m above floor

6 Number of luminaires

Room reflectances: 0.7/0.5/0.2		LLF=0.8							
Lamps 18W	1050 lm	1450 lm							
E/h	300	500	300	500					
Height H/m	2.5	3.0	2.5	3.0					
	2.5	3.0	2.5	3.0					
Area A/m²	20	4.3	14.9	7.2	18.1				
	3.1	3.5	5.2	5.9					
	6.1	6.6	10	11	4.4	4.8	7.4	8.0	
	40	7.9	8.4	13	14	5.7	6.1	9.5	10
	50	9.6	10	16	17	6.9	7.4	12	12
	60	11	12	19	20	8.2	8.7	14	14
	80	15	15	24	26	11	11	18	19
	100	18	19	30	31	13	14	22	23
	200	35	35	58	59	25	26	42	43

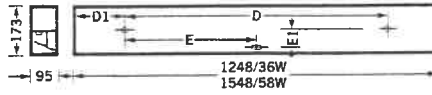
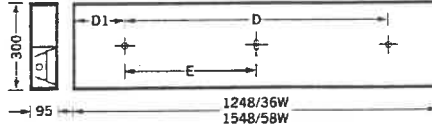
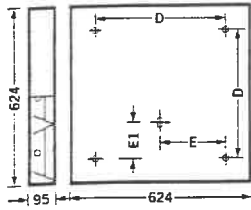
Multipliers for ...

Multipliers for ...

SHR NOM=1.25
1.00 MAX=1.40

Multipliers for ...

50...



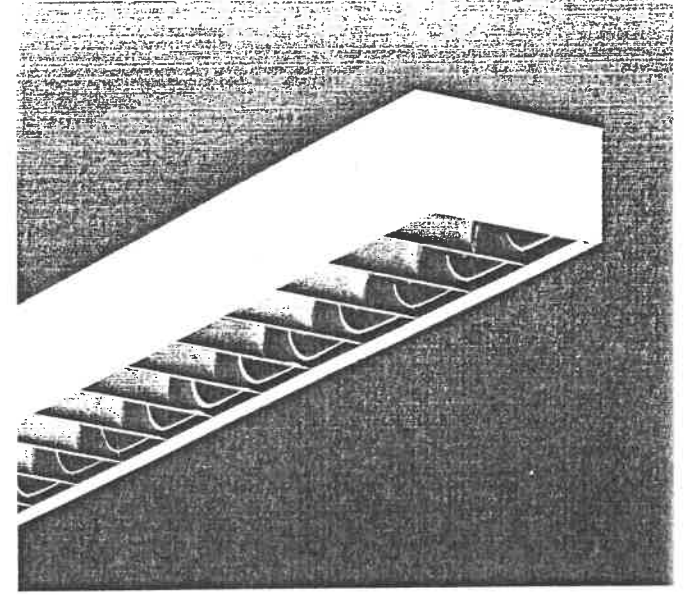
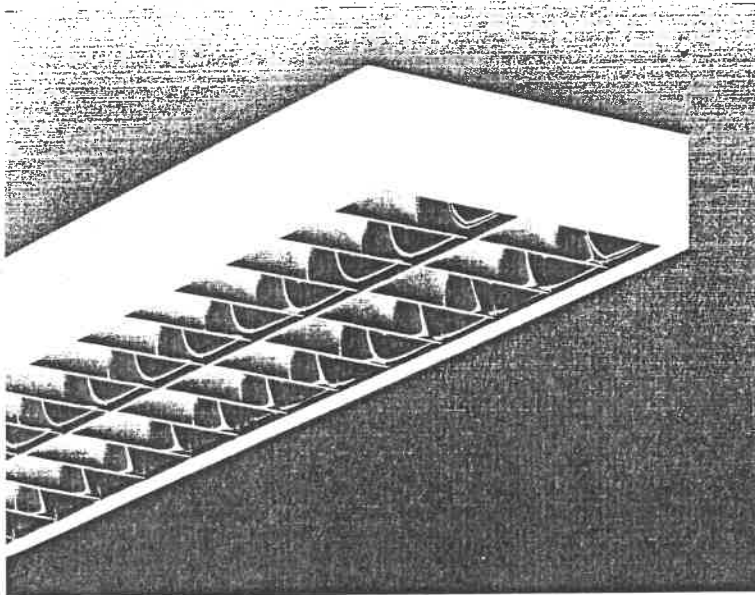
γ60 Luminaires for work stations where traditional office work is the main activity and VDTs are used intermittently, 15° upwards screen tilt being considered sufficient ergonomically. RPH luminaires are ideal for this. Limited luminance ($L \leq 200 \text{ cd/m}^2$) above 60° cut-off angle, and with high light output ratio (up to 70% or even higher), they make it possible to design lighting systems that are both correct for the VDT and economical.



Reference No.
5082 W-RPH/36
5082 W-RPH/58

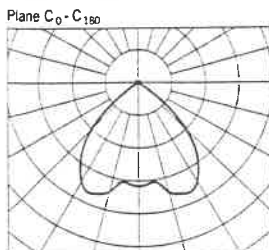
Lamps	Data table	Dimensions in mm			ca. kg
		D	D1	E	
2x36W	014	900	175	450	8.0
2x58W	014	1200	175	600	11.0

Reference No.	Lamps	Data table	Dimensions in mm				ca. kg
			D	D1	E	E1	
5081 W-RPH/36	1x36W	014	900	175	450	72	5.4
5081 W-RPH/58	1x58W	014	1200	175	600	72	7.0



Data table 014

1 Luminous Intensity Distribution



2 Reference Glare Index RGI

Reflectances C/W/F 0.7/0.5/0.2	5400 lm
$\chi=4\text{m}$ $\gamma=8\text{m}$ $\delta=14.4\text{m}$ $H=3.0\text{m}$ $h=1.8\text{m}$	
RGI crosswise 3.0	RGI endwise 10.9

Explanation to data table, see page 317.

Luminaire 5081 W-RPH/58

3 Luminous Intensity Distribution

Values in cd/klm

G/C	0°	30°	60°	90°	G/C	0°	30°	60°	90°
0°	1317	317	317	317	50°	117	140	180	130
5°	312	314	317	318	55°	20	61	114	69
10°	308	307	313	316	60°	1	7	38	4
15°	345	333	301	307	65°	1	2	1	0
20°	360	351	299	295	70°	0	1	0	0
25°	367	354	305	278	75°	0	0	0	0
30°	348	347	302	257	80°	0	0	0	0
35°	309	315	289	234	85°	0	0	0	0
40°	263	271	267	205	90°	0	0	0	0
45°	200	213	234	172					

Multipliers for ...

5081 W-RPH/36	▶ 1.02	5082 W-RPH/36	▶ 0.98
5082 W-RPH/58	▶ 0.95		

4 Utilisation factors UF(F)/%

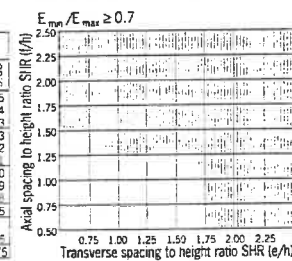
LOR=0.68 DLOR=0.68 ULOR=0.00 DFF=1.00

Room Reflectances	Room index										
	C	W	F	0.75	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.7	0.5	0.2	NA	61	65	67	70	71	73	74	75
0.3	0.3	0.2	NA	58	62	64	67	69	71	73	74
0.5	0.5	0.2	NA	60	63	65	68	69	70	72	73
0.1	0.1	0.1	NA	58	61	63	66	68	69	71	72
0.3	0.5	0.2	NA	59	62	64	66	67	68	69	70
0.3	0.3	0.2	NA	57	60	62	64	66	67	68	69
0.0	0.0	0.0	NA	54	57	58	61	62	63	65	65
B2 Class	NA	1	1	1	1	1	1	1	1	1	1
Opt. range	NA	79	83	85	89	91	91	94	95		
CE Flux Code	70	100	100	100	68						

Multipliers for ...

5081 W-RPH/36	▶ 1.02	5082 W-RPH/36	▶ 0.98
5082 W-RPH/58	▶ 0.95		

5 Illuminance Uniformity



Multipliers for ...

SHR NOM=1.75	
SHR MAX=1.85	
SHR TR MAX=1.94	

6 Number of luminaires

Room reflectances: 0.7/0.5/0.2 LLF=0.8

Height H/m	Lamps 58W		4000 lm		5400 lm	
	E/hx	300	500	300	500	500
20	3.2	3.7	5.4	6.1	2.4	2.7
30	4.6	5.0	7.6	8.3	3.4	3.7
40	5.9	6.3	9.8	10	4.4	4.7
50	7.2	7.6	12	13	5.3	5.7
60	8.5	9.0	14	15	6.3	6.7
80	11	12	18	19	8.1	8.6
100	13	14	22	24	9.9	10
200	26	27	43	44	19	20

Multipliers for ...

5081 W-RPH/36	▶ 1.53	5082 W-RPH/36	▶ 0.80
5082 W-RPH/58	▶ 0.53		

Surface luminaires with semi-specular louvres RST, RSA, RSB

For cost-effective lighting of office, sales and display areas: also for banking and counter halls.

Semi-specular louvres RST, RSA, RSB

With graduated, concave-profiled cross blades to reduce the luminance contrasts between luminaire and ceiling. Louvre in high-purity aluminium (99.85%), post-anodized. Thickness of anodizing on photometrically-effective surfaces $\geq 8 \mu\text{m}$. No disturbing iridescence phenomena when using triphosphor lamps.

RST For predominantly narrow-angle light distribution.

RSA For asymmetrical light distribution.

RSB For wide-angle light distribution.

Louvre attachment

Safe retention of louvre by self-retracting, spring-tensioned clips providing earth continuity. Louvre can be lowered and hung from either side without tools.

Luminaire body

Of traditional design. Sheet steel, stove-enamelled, white.

With knock-outs at each end for through-wiring inside the luminaire using heat-resistant, single-conductor cables. See page 305. Cables mechanically protected by grommet or by gland Pg 11, to be supplied by the contractor.

Electrical connection

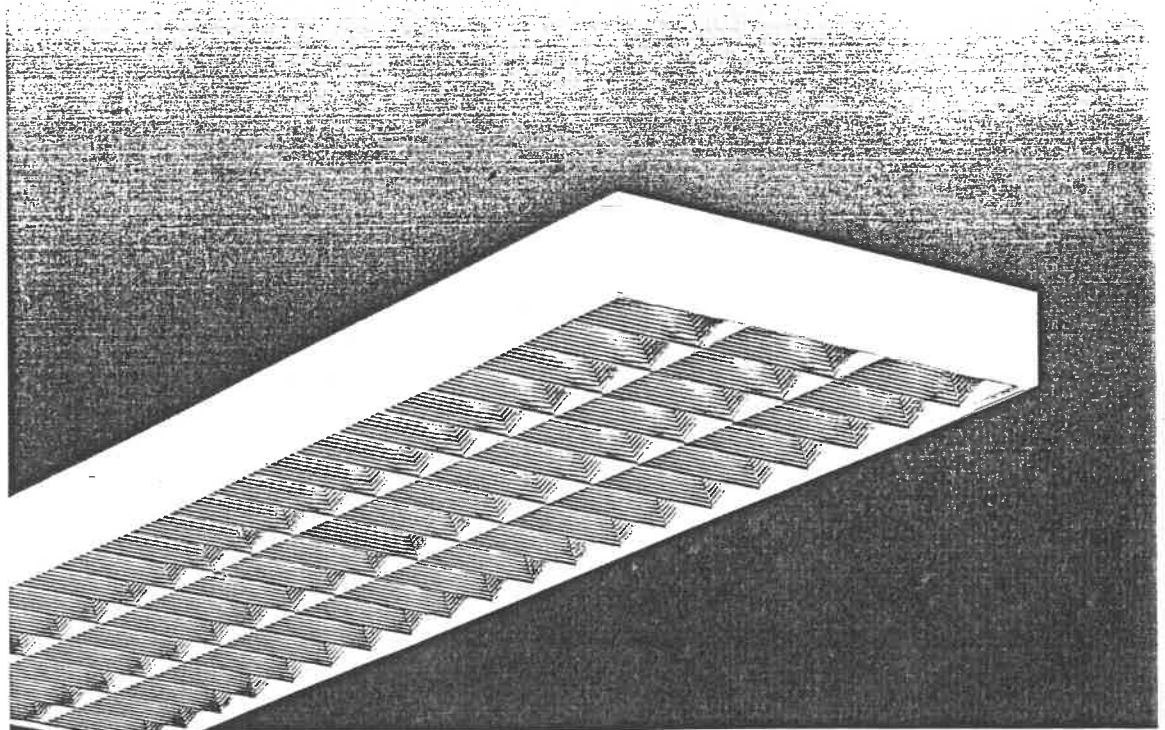
With heat-resistant wiring, ready for connection, and complete with low-loss inductive ballasts. .../18 with 2-pole, .../36 and .../58 with 4-pole terminal block, and earth connection for wire up to 2.5 mm^2 .

.../36 and .../58 have screwless terminals with quick-release buttons to enable lamp circuits to be rearranged without tools for separate switching. Incoming wiring is mechanically protected by double grommet.

Luminaires can be supplied with high-frequency ballasts. Ordering suffix: ...EVG, eg 5081 W-RST/58 EVG.

Reference No.
5083 W-RST/58

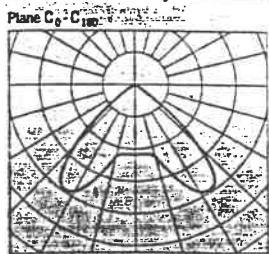
Lamps	Data table	Dimensions in mm					ca. kg
		D	D1	D3	E	E1	
3x58W	006	1200	175	280	600	210	13.4



IP 20 degree of protection
approval marks

Data table 008

1 Luminous Intensity Distribution



2 Reference Glare Index RGI

Reflectance C/W 0.7/0.5/0.2
X=4m Y=2m Z=3m P=3.0m S=1.8m

Luminaire 5081 W-RSB/58

3 Luminous Intensity Distribution

Values in cd/kim

G/C	0°	30°	60°	90°	G/C	0°	30°	60°	90°
0°	217	217	217	217	50°	138	175	180	94
5°	217	217	216	216	55°	30	79	137	70
10°	219	217	214	214	60°	5	18	87	47
15°	233	223	211	208	65°	2	9	41	25
20°	282	251	209	201	70°	1	5	18	15
25°	339	297	210	191	75°	1	2	11	9
30°	382	333	215	178	80°	0	1	7	5
35°	392	345	225	162	85°	0	1	4	3
40°	363	324	225	142	90°	0	0	0	0
45°	266	269	210	119					

Multipliers for ...

5081W-RSB/36 ▶ 1.03 5082W-RSB/36 ▶ 1.00
5082W-RSB/58 ▶ 0.97

4 Utilisation factors UF(F)/%

LOR=0.66 DLOR=0.66 ULOR=0.00 DFF=1.00

Room Reflectance	Room index										
	C	W	F	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0
0.7	0.5	0.2	40	45	53	55	61	64	66	68	70
0.3	35	44	49	53	58	61	63	66	68	68	68
0.1	32	40	46	48	52	55	58	61	64	66	66
0.5	0.5	0.2	39	47	52	55	59	62	64	66	67
0.3	35	43	48	51	56	59	61	64	66	66	66
0.1	32	40	46	48	52	55	58	61	64	66	66
0.3	0.5	0.2	38	46	50	53	57	60	61	63	65
0.3	34	42	47	50	55	58	60	62	64	64	64
0.1	32	39	44	46	50	53	56	58	61	62	62
0.0	0.0	0.0	30	38	43	46	51	53	55	58	59
B2 Class	4	3	3	3	3	3	3	3	3	3	3
Direct index	45	37	45	47	47	47	47	47	47	47	47
CIE Flux Code	61	95	99	100	66						

Multipliers for ...

5081W-RSB/36 ▶ 1.03 5082W-RSB/36 ▶ 1.00
5082W-RSB/58 ▶ 0.97

5 Illuminance Uniformity

$E_{min}/E_{max} \geq 0.7$

Room index	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0
0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Multipliers for ...

SHR NOM=1.00
SHR MAX=1.06

Ceiling mounting, working plane 0.85 m above floor

6 Number of luminaires

Room reflectances: 0.7/0.5/0.2 LLF=0.8

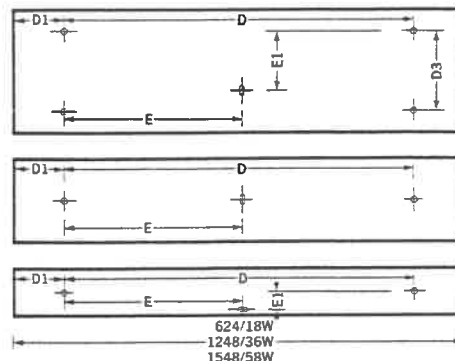
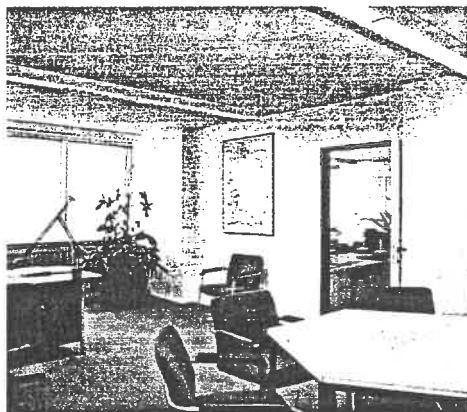
Height H/m	Lamps 58W			4000 lm			5400 lm		
	E/x	300	500	300	500	300	500	300	500
2.5	13.0	12.5	3.0	2.5	3.0	2.5	3.0	2.5	3.0
3.0	4.9	5.5	8.2	9.1	3.6	4.0	6.1	6.7	
4.0	6.3	6.8	11	11	4.7	5.0	7.8	8.4	
5.0	7.7	8.2	13	14	5.7	6.1	9.5	10	
6.0	9.0	9.6	15	16	6.7	7.1	11	12	
8.0	12	12	19	21	8.6	9.2	14	15	
10.0	14	15	24	25	10	11	17	19	
12.0	27	28	45	47	20	21	34	35	

Multipliers for ...

5081W-RSB/36 ▶ 1.52 5082W-RSB/36 ▶ 0.78
5082W-RSB/58 ▶ 0.97

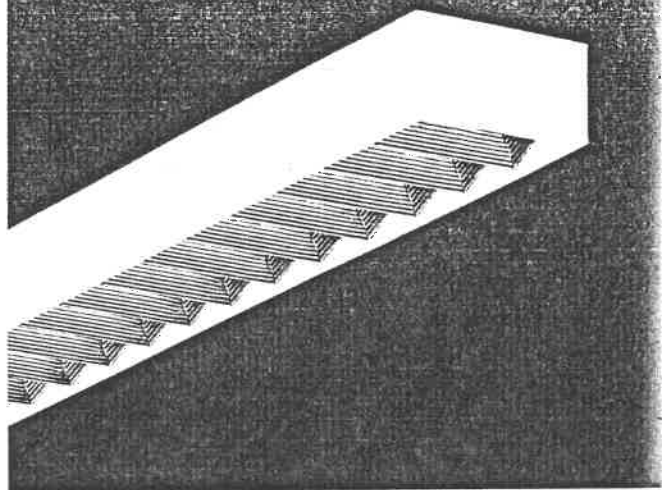
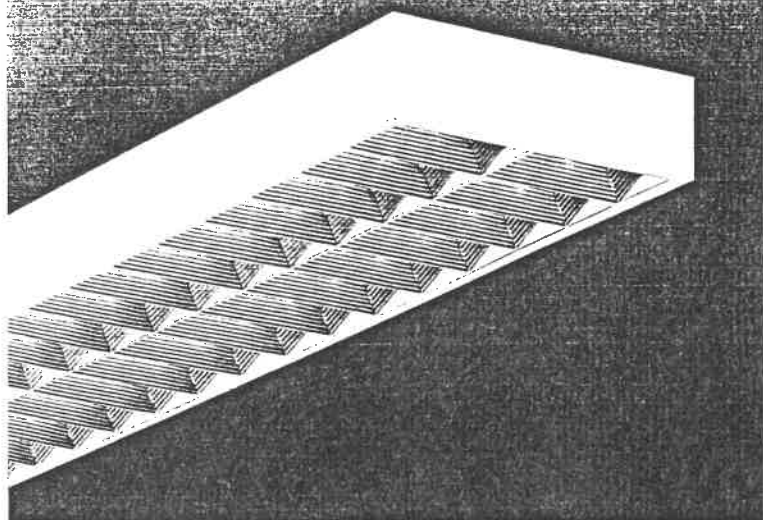
5081.../36, 58:
5082.../36, 58

Installation also possible on wires, pendants or trunking; see pages 302 to 304.
Balance weight is required for suspended installation of single-lamp luminaires. Please order balance weight separately:
05081 A/36 for 5081 W.../36
05081 A/58 for 5081 W.../58



Reference No.	Lamps	Datatable No. Page	Dimensions in mm				ca. kg
			D	D1	E	E1	
5082 W-RST/18	2x18W	006 19	520	53	260	4.5	
5082 W-RST/36	2x36W	006 19	900	175	450	7.9	
5082 W-RST/58	2x58W	006 19	1200	175	600	10.9	
5082 W-RSA/36	2x36W	007 318	900	175	450	8.0	
5082 W-RSA/58	2x58W	007 318	1200	175	600	11.0	
5082 W-RSB/36	2x36W	008 18	900	175	450	8.0	
5082 W-RSB/58	2x58W	008 18	1200	175	600	11.0	

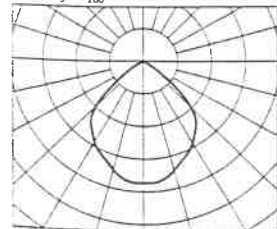
Reference No.	Lamps	Datatable No. Page	Dimensions in mm				ca. kg
			D	D1	E	E1	
5081 W-RST/18	1x18W	006 19	520	53	310	3.2	
5081 W-RST/36	1x36W	006 19	900	175	450	5.3	
5081 W-RST/58	1x58W	006 19	1200	175	600	7.0	
5081 W-RSA/36	1x36W	007 318	900	175	450	5.4	
5081 W-RSA/58	1x58W	007 318	1200	175	600	7.0	
5081 W-RSB/36	1x36W	008 18	900	175	450	5.4	
5081 W-RSB/58	1x58W	008 18	1200	175	600	7.0	



Data table 006

1 Luminous Intensity Distribution

Plane C₀ - C₁₈₀



2 Reference Glare Index RGI

Room reflectances C/W/F 0.7/0.5/0.2 5400 lm
r=0.7m Y=8m H=3.0m h=1.8m
crosswise 8.3 RGI endwise 15.7

Explanation to data table, see page 317.

Luminaire 5081 W-RST/58

3 Luminous Intensity Distribution

Values in cd/klm

G/C	0°	30°	60°	90°	G/C	0°	30°	60°	90°
0°	373	373	373	373	50°	122	135	143	130
5°	373	372	370	367	55°	49	73	103	91
10°	363	363	361	358	60°	2	25	66	56
15°	345	345	348	344	65°	1	8	30	28
20°	324	323	330	326	70°	1	7	12	16
25°	308	304	306	303	75°	1	5	7	9
30°	288	287	279	276	80°	0	3	4	6
35°	264	262	250	244	85°	0	1	2	3
40°	240	229	218	209	90°	0	0	0	0
45°	197	191	182	170					

Multipliers for ...

5081 W-RST/18	▶ 1.02	5081 W-RST/36	▶ 1.02
5082 W-RST/18	▶ 0.98	5082 W-RST/36	▶ 0.98
5082 W-RST/58	▶ 0.93	5083 W-RST/58	▶ 0.93

4 Utilisation factors UF(F)/%

LOR=0.68 DLOR=0.68 ULOR=0.00 DFF=1.00

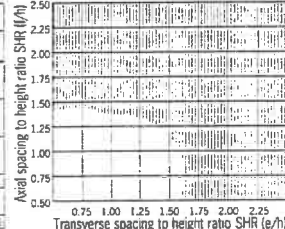
Room Reflectances	Room index	
	C	W/F
0.7	0.5	0.2
0.3	0.3	0.3
0.5	0.5	0.2
0.3	0.3	0.3
0.3	0.5	0.2
0.3	0.3	0.3
0.0	0.0	0.0
BZ Class	1	1
Reflectance	43	70
CIE Flux Code	67	96
	99	100
	68	
		SHR NOM=1.50

Multipliers for ...

5081 W-RST/18	▶ 1.02	5081 W-RST/36	▶ 1.02
5082 W-RST/18	▶ 0.98	5082 W-RST/36	▶ 0.98
5082 W-RST/58	▶ 0.93	5083 W-RST/58	▶ 0.93

5 Illuminance Uniformity

$E_{min}/E_{max} \geq 0.7$



SHR NOM=1.50

SHR MAX=1.69
SHR TR MAX=1.76

Ceiling mounting, working plane 0.85 m above floor

6 Number of luminaires

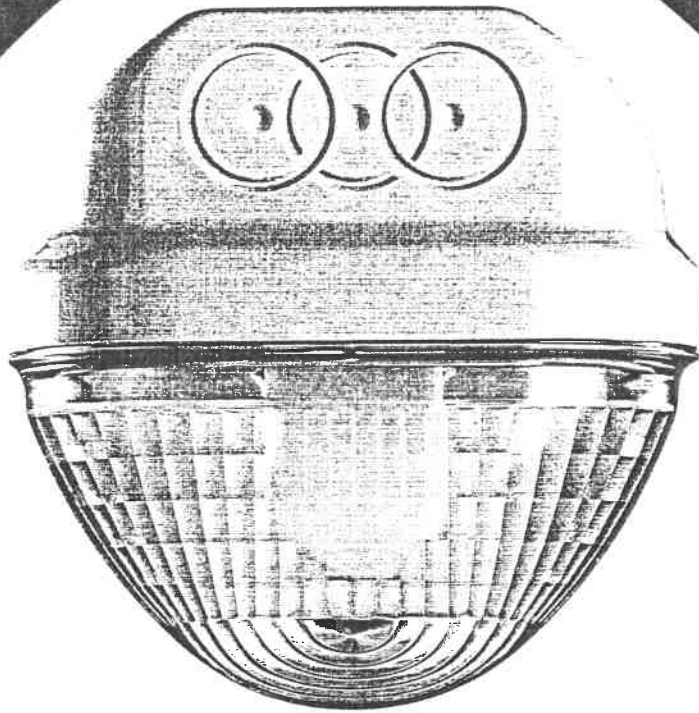
Room reflectances: 0.7/0.5/0.2 LLF=0.9

Height H/m	Lamps 58W			4000 lm			5400 lm		
	E/lx	300	500	300	500	300	500	300	500
20	3.3	3.7	5.4	6.1	2.4	12.7	4.0	14.5	11.1
30	4.6	5.0	7.7	8.3	3.4	13.7	5.7	16.2	11.1
40	5.9	6.3	9.9	11.1	4.4	14.7	7.3	17.2	11.1
50	7.2	7.7	12	13	5.4	15.7	8.9	19.2	11.1
60	8.5	9.0	14	15	6.3	16.7	11	21.2	11.1
80	11	12	18	19	8.2	18.6	14	24.2	11.1
100	14	14	23	24	10	11	17	27.2	11.1
200	26	27	44	45	19	20	32	50.2	11.1

Multipliers for ...

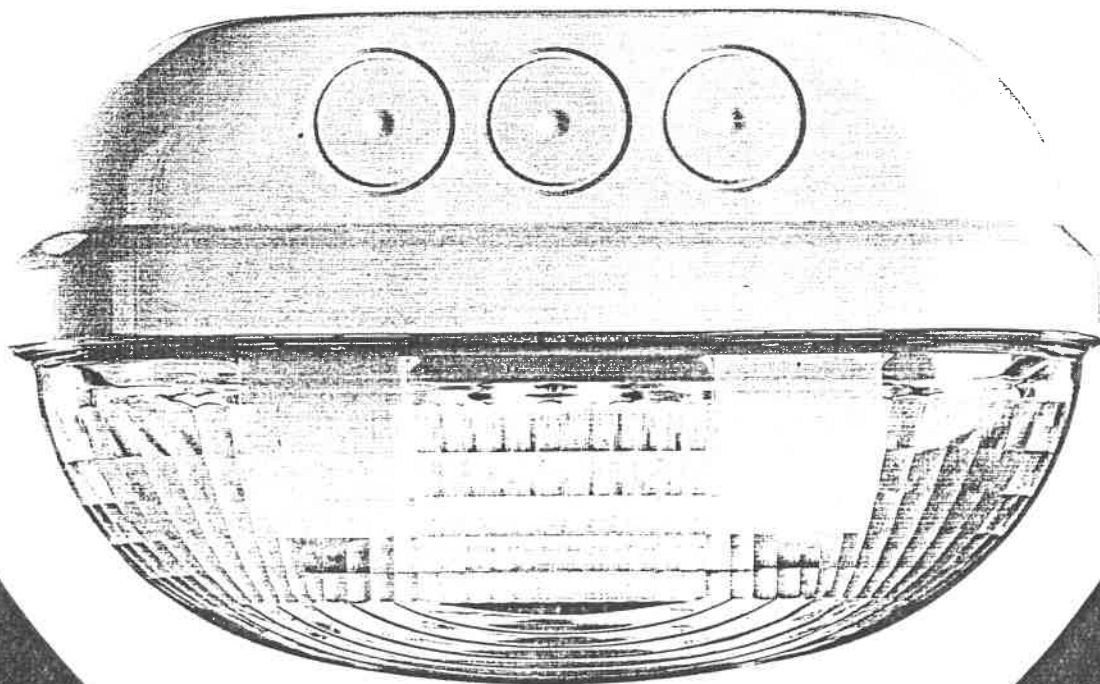
5081 W-RST/18	▶ 3.65	5081 W-RST/36	▶ 1.50
5082 W-RST/18	▶ 1.91	5082 W-RST/36	▶ 0.82
5082 W-RST/58	▶ 0.54	5083 W-RST/58	▶ 0.36

Maggio '97



3F Linda

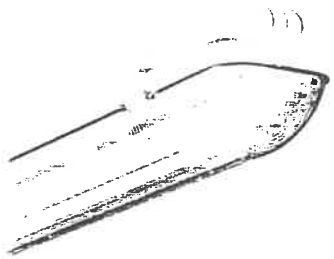
• Pulita • Compatta • Robusta



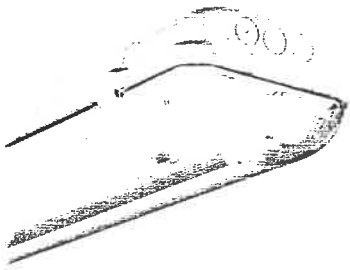
Patent Pending
Barconline

3F Filippi
Illuminazione fluorescente

3F Linda



1 x... >75%



2 x... >70%

3F Linda

Caratteristiche a pag. 4. Accessori a pag. 11-13.

Classe I IP 65 6J 850 °C

Articolo/W	Prezzi	Largh.	Lungh.	Alt.	Codice 3F
3F LINDA 1x18	47.500	100	660	100	PLA118R
3F LINDA 1x36	60.000	100	1270	100	PLA136R
3F LINDA 1x58	72.000	100	1570	100	PLA158R
3F LINDA 2x18	60.000	160	660	100	PLA218R
3F LINDA 2x36	82.000	160	1270	100	PLA236R
3F LINDA 2x58	96.500	160	1570	100	PLA258R

Versione monolampada di larghezza 160 mm.

3F LINDA 1x18 LA	60.000	160	660	100	PLAL18R
3F LINDA 1x36 LA	69.000	160	1270	100	PLAL36R
3F LINDA 1x58 LA	81.000	160	1570	100	PLAL58R

3F Linda Inox AR

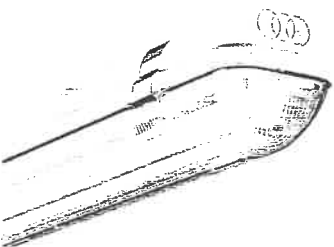
Classe I IP 65 6J 850 °C

A come Alte temperature

R come Risparmio energetico grazie agli alimentatori a bassissime perdite (6,5w per 18-36w e 8,5w per 58w).

Con la semplice sostituzione con starter di sicurezza elettronico, l'apparecchio è idoneo per impianti di sicurezza in esecuzione ADFT secondo la CEI 64-2 IV ediz.

Caratteristiche come 3F Linda a pag. 4 ma con scrocchi in acciaio inox e cablaggio a bassissime perdite vedere a pag. 22. Accessori a pag. 11-13.



1 x... >75%

3F LINDA INOX 1x18 AR	53.500	100	660	100	PLG118R
3F LINDA INOX 1x36 AR	65.000	100	1270	100	PLG136R
3F LINDA INOX 1x58 AR	78.000	100	1570	100	PLG158R
3F LINDA INOX 2x18 AR	67.000	160	660	100	PLG218R
3F LINDA INOX 2x36 AR	92.000	160	1270	100	PLG236R
3F LINDA INOX 2x58 AR	112.500	160	1570	100	PLG258R

Versione monolampada di larghezza 160 mm.

3F LINDA INOX 1x18 AR LA	64.500	160	660	100	PLGL18R
3F LINDA INOX 1x36 AR LA	75.000	160	1270	100	PLGL36R
3F LINDA INOX 1x58 AR LA	89.500	160	1570	100	PLGL58R

3F Linda Inox Elettronico

Classe I IP 65 6J 850 °C

Idonea in ambienti dove sono richiesti risparmio energetico e ridotti costi di gestione grazie al cablaggio elettronico.

La superiore qualità della luce (assenza di sfarfallio e di effetti stroboscopici) la rende adatta agli ambienti dove si effettuano lavorazioni fini.

Caratteristiche come 3F Linda a pag. 4 ma con scrocchi in acciaio inox e cablaggio elettronico vedere a pag. 23. Accessori a pag. 11-13.

3F LINDA INOX 1x18 HF	118.000	100	660	100	PLE116H
3F LINDA INOX 1x36 HF	129.000	100	1270	100	PLE132H
3F LINDA INOX 1x58 HF	135.500	100	1570	100	PLE150H
3F LINDA INOX 2x18 HF	142.000	160	660	100	PLE216H
3F LINDA INOX 2x36 HF	145.500	160	1270	100	PLE232H
3F LINDA INOX 2x58 HF	153.500	160	1570	100	PLE250H

A richiesta: - Versione monolampada di larghezza 160 mm
- 3F Linda Inox Elettronico Emergenza.

40°
1957-1997

disano
illuminazione

Proiettori: Litio

conf. pallet peso potenza attacco apert.fascio codice prezzo
pezzi pezzi Kg W lamp. asim. colore _____ unitario



Corpo/telaio: In alluminio pressofuso, con ampie alettature di raffreddamento.

Riflettore: Asimmetrico, in alluminio martellato 99.85, ossidato anodicamente spessore 2µ e brillantato.

Diffusore: Vetro temperato sp. 5 mm resistente agli shock termici e agli urti (prove UNI7142 British standard 3193)

Verniciatura: Ad immersione in cataforesi epossidica, colore nero, previo trattamento di fosfocromatazione, resistente alla corrosione e alle nebbie saline, supera la prova delle 750 ore previste (CEI 50/5). Seconda mano di finitura in resina poliuretana colore bianco.

Portalampada: In ceramica e contatti argentati.

Cablaggio: Alimentazione 230V/50Hz. Cavetto flessibile capicordato con puntali in ottone stagnato, isolamento in silicone con calza in fibra di vetro, sezione 1.5 mm². Morsetteria 2P+T in nylon con massima sezione dei conduttori ammessa 4 mm².

Dotazione: Telaio frontale, apribile a cerniera, rimane agganciato al corpo dell'apparecchio per una facile manutenzione, mantenendo invariato il puntamento.

Equipaggiamento: Guarnizione di gomma siliconica. Pressacavo in nylon f.v. Ø 1/2" pollice gas. Accessori elettrici montati su piastra asportabile. Viterie in acciaio imperdibili, anticorrosione e antigrippaggio. Staffa in acciaio inox con scala goniometrica.

Normativa: Prodotte in conformità alle vigenti norme IEC 598 - CEI 34 - 21, sono protette con il grado IP65 secondo le EN 60529 e sono certificate dall'Istituto Marchio di Qualità (IMQ).



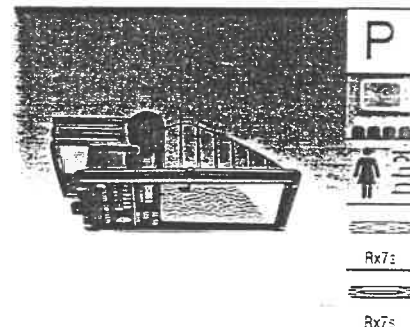
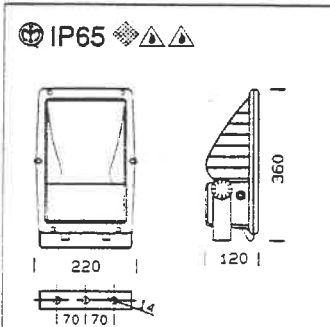
1148 Litio - asimmetrico

CNRL

1	96	4.90	JM-TS 70	Rx7s	25°	nero	313340	265.000
1	96	4.90	SAP-TS 70	Rx7s	25°	nero	313341	285.000
1	96	4.90	JM-TS 70	Rx7s	25°	bianco	313339	265.000
1	96	4.90	SAP-TS 70	Rx7s	25°	bianco	313338	285.000

Permette l'illuminazione di pareti verticali o zone ove è prevista la totale assenza di ricambiamento.

Superficie di esposizione al vento: 900 cm²

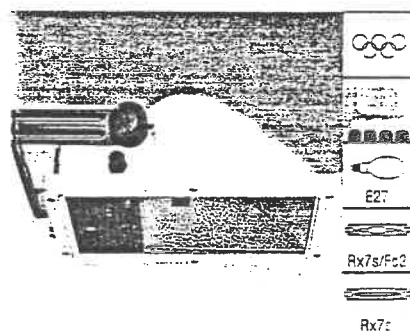
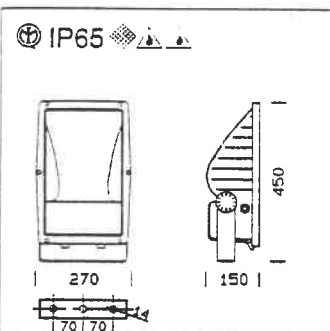


1149 Litio - asimmetrico

CNRL

1	54	6.90	JM-E 100	E27	20°	nero	313342	350.000
1	54	7.90	JM-TS 150	Rx7s	40°	nero	313343	350.000
1	54	8.50	JM-TS 250	Fc2	20°	nero	313344	385.000
1	54	7.80	SAP-TS150	Rx7s	40°	nero	313352	377.000
1	54	6.90	JM-E 100	E27	20°	bianco	313353	350.000
1	54	7.80	JM-TS 150	Rx7s	40°	bianco	313354	350.000
1	54	8.50	JM-TS 250	Fc2	20°	bianco	313355	385.000
1	54	7.80	SAP-TS150	Rx7s	40°	bianco	313356	377.000

Superficie di esposizione al vento: 1200 cm²



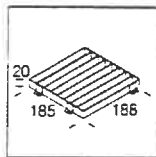
conf. peso Kg/ codice prezzo
pezzi colore _____ unitario

conf. peso Kg/ codice prezzo
pezzi colore _____ unitario

acc 43 schermo lamellare

5	0.20	nero	995709	55.000
5	0.20	bianco	995717	55.000

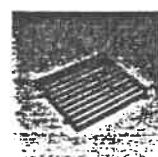
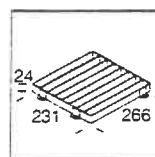
In acciaio, verniciato per cataforesi. Permette di ridurre gli effetti dell'abbagliamento e consente di direzionare maggiormente il fascio luminoso. Per art. 1148.



acc 51 schermo lamellare

5	0.40	nero	995711	66.000
5	0.40	bianco	995719	66.000

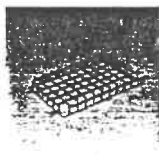
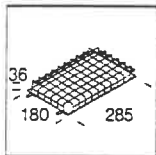
In acciaio, verniciato per cataforesi. Permette di ridurre gli effetti dell'abbagliamento e consente di direzionare maggiormente il fascio luminoso. Per art. 1149.



acc 47 gabbia di protezione

5	0.18	nero	995710	44.000
5	0.18	bianco	995718	44.000

In tondino di acciaio zincato. Per la protezione antiurto. Per art. 1148.



acc 53 gabbia di protezione

5	0.60	nero	995712	47.000
5	0.60	bianco	995720	47.000

In tondino di acciaio zincato. Per la protezione antiurto. Per art. 1149.

