

Catalogue 9 – 2003

A catalogue of all luminaires used around
houses and in gardens.
Luminaires for pedestrian areas.
Manufactured by
BOOM Buitenverlichting N.V.
A specialist manufacturer of outdoor
luminaires
B-2870 Puurs, Province of Antwerp/Belgium

The luminaires in this catalogue are
distributed outside Belgium by
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Storm lanterns



6 7

Lanterns



8 9 10 12 14



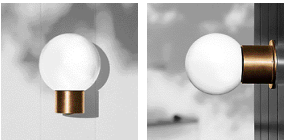
16 16

Wall + ceiling luminaires
Die cast bronze



18 19

The sphere



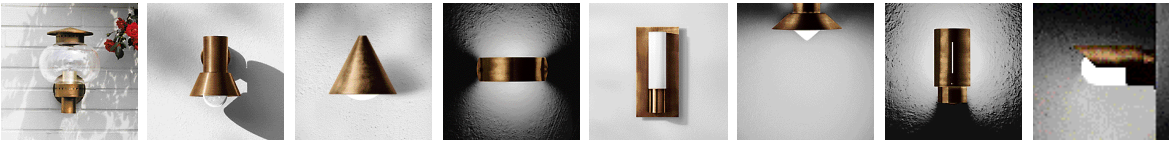
20 20

Wall + ceiling luminaires



22 23 24 25 27

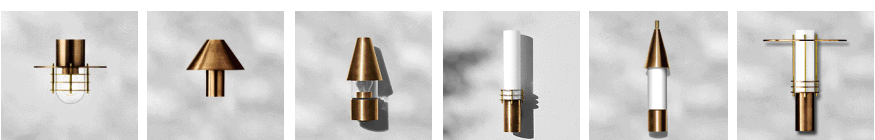
Copper + glass



26 28 29 30 31 32 34 35



36 38 40 42 44



46 48 50 52 54 56

»Copenhagen«



58 58

»Hamburg«



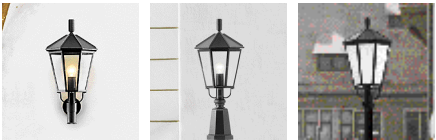
60 60 61

»Strasbourg«



62 63 64 66 67

»Rome«



68 68 69

»Bruges«



70 71 72 72 73

»Paris«



74 74 75 76 78 79

»Madrid«



80 80 81

»Berlin«



82 83 84 85 87

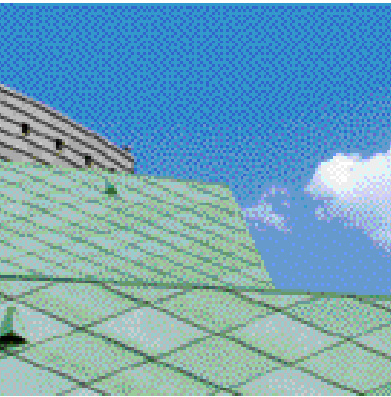
A 90	200 W	B 1381	68
D 90	40 W	B 1382	35
C 30	40 W	B 1403	
QT 32	80 W	B 1404	
QT 32	75 W	B 1405	
TC-S	9 W	B 1406	38
TC-S	11 W	B 1409	71
TC-L	14 W	B 1410	82
TC-L	36 W	B 1415	71
TC-D	10 W	B 1426	63
TC-D	13 W	B 1427	62
B 1401		B 1402	
B 1403		B 1404	
B 1405		B 1406	
B 1409		B 1409	
B 1410		B 1409	
B 1415		B 1401	
B 1426		B 1402	
B 1427		B 1403	

Poles · Accessories
Lighting technology
Lamp table
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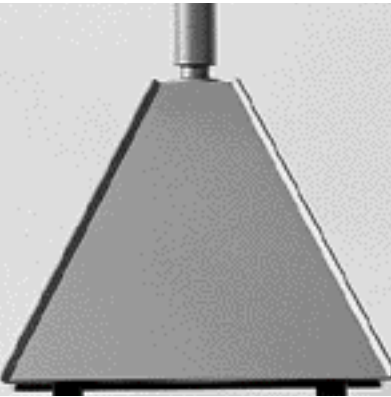
BOOM – our trademark.

Our trademark »BOOM« is not a product of our imagination but the name of a small town in Flanders where our company was originally founded as glassworks for illuminating glassware. Translated into English, BOOM means »tree«. And our name is also a symbol of our work as manufacturer which is rooted in tradition and a sign of our product’s link with nature. BOOM is also our trademark. The majority of our luminaires are protected by industrial property rights. The copying of our models and infringement of our copyrights is subject to prosecution. As our products are generally anchored in buildings, streets and gardens, the aim is to provide a good and durable building detail. In development and manufacture, our work focuses on high quality for use and good design. Our luminaires produce good architectural lighting by night and harmonize perfectly with the architectural image by day.



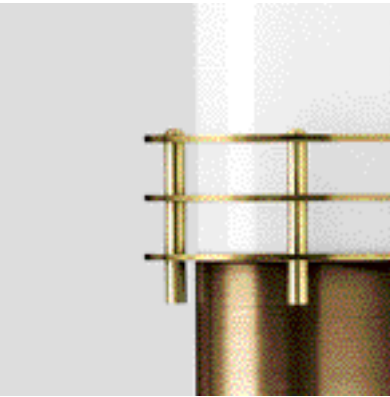
Shape + technical quality

Outdoor luminaires are required to meet very high standards. They are subject to dirt, weather factors and extreme fluctuations in temperature. More than any other luminaires, they have to withstand great physical stress. Our products are mainly anchored in buildings or gardens. Therefore, the aim is to provide a good building detail and lasting investment. In development and manufacture, our work focuses on quality for use and good design. Only use for the intended purpose, specialist installation and maintenance can guarantee safety of operation. Such requirements can only be met by the professional electrical trade. The technical data of the products in this catalogue are subject to change in response to new developments and technical progress. Data sheets are available on request for luminaires which it has been impossible to describe in sufficient detail in this catalogue. If any special installation or operating instructions are necessary, these data sheets are included in the packaging with the luminaire.



Aluminium · Colour

All aluminium and die cast aluminium parts are chromatzed, powder coated and covered with a high-quality stoved enamel to achieve optimum corrosion protection. We supply the luminaires in our catalogue in the colours graphite and white. The respective article number specifies the luminaire in the colour graphite. If **W** is added after the article number, the luminaire is supplied in white. To special order, we also supply our products in any other RAL colour.



Copper + die cast bronze

Copper is one of man’s most valuable materials. Versatile in its use for thousands of years, it has a long tradition in architectural history. The coppersmith’s craft in terms of artistic value and technique may be described as an historical masterpiece. Bronze, tin-alloyed copper, was probably used for the first time around 2500 BC. Still today, this copper alloy has a significant status among copper materials due to its special technological properties. Of special importance for us is its high corrosion resistance, resistance to sea-water and high resistance to wear. We supply our luminaires in the natural metal colour. Over time due to weather factors, the surface develops a patina of infinite diversity of colour. This material is a unique aesthetic experience, the mark of durability and lasting value. A symbol of timeless modernity.

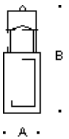
The flame gives a natural and living light.
It is incomparably modern and expressive.
Storm lanterns protect and retain light, and also ensure that candles
burn down undisturbed by windy weather. They produce idyllic lighting
and create a warm atmosphere in houses and gardens.



Storm lantern
for indoors or outdoors.
Galvanized steel · Antique glass
Colour graphite
With door to open the storm lantern.
Supplied in a gift pack including candle.

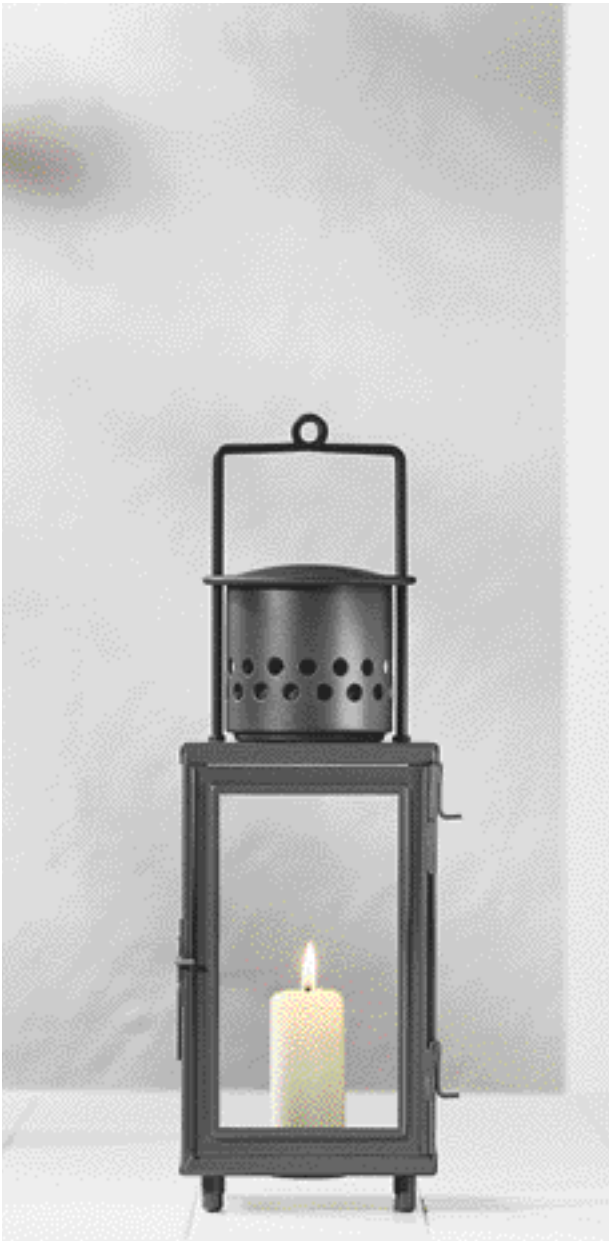


Storm lantern	A	B
B 1505	120	180



Storm lantern
for indoors or outdoors.
Aluminium and stainless steel
Antique glass
Colour graphite
With door to open the storm lantern.
Supplied in a gift pack including candle.

Storm lantern	A	B
B 1507	130	410

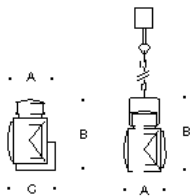


The lantern

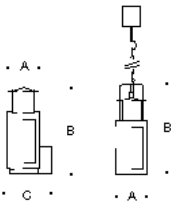
From time immemorial, lanterns have been used to shield light sources from wind and rain. Traditionally crafted metal housings form the luminaire body. The openings are enclosed by covers made of antique glass. The metal reflector of the wall luminaires primarily directs the light to the front, and additionally highlights the character of the lantern. A proper lantern also needs a door to access the light source for maintenance. This like many details is an unmistakable feature of the lanterns shown on this double page. We have modelled them on original lanterns with great attention to detail.



Wall + pendant lanterns for
• incandescent lamps A 60 60 · 75 W
B 1347 Protection class IP 23
B 1065 Protection class IP 20
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 x 110 mm
Colour graphite
With door to open the luminaire.
Pendant luminaire
Overall length 1500 mm



Wall lantern	Lumen			A	B	C
B 1347	1 A 60	75 W	940	175	270	185
Pendant lantern						
B 1065	1 A 60	60 W	720	175	300	



Wall + pendant lanterns for
• incandescent lamps A 60 75 · 100 W
B 1349 Protection class IP 23
B 1066 Protection class IP 20
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 x 110 mm
Colour graphite

With door to open the luminaire.
Pendant luminaire
Overall length 1600 mm

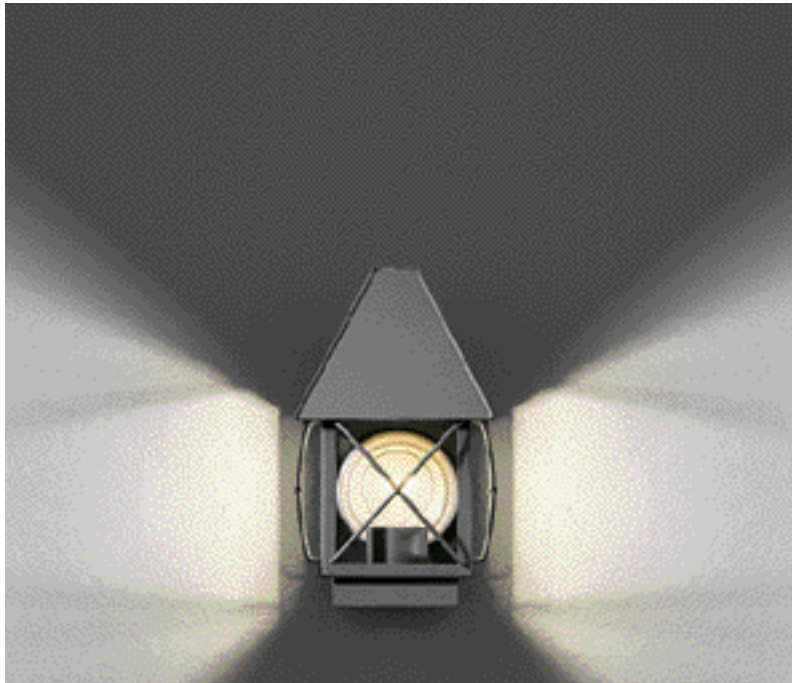
Wall lantern	Lumen			A	B	C
B 1349	1 A 60	100 W	1360	130	330	165
Pendant lantern						
B 1066	1 A 60	75 W	940	130	400	



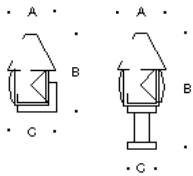
The lantern

Lanterns provide atmospheric, romantic light.
Simple creations and small in size, their light openings are covered with antique glass and a safety guard.
Lantern B 1370 has only a slight overhang, the back is closed.
A reflector is fixed here which primarily directs the light to the front.

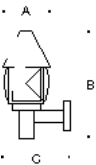
Luminaires B 1371 and B 1372 can be mounted on house corners with a corner block. For a description of the corner block, see page 88.



Wall lantern + pillar lantern for
• incandescent lamps A 60 75 W
Protection class IP 23
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 x 110 mm
Colour graphite
With door to open the luminaire.

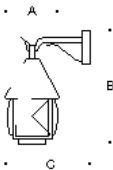


Wall lantern	Lumen			A	B	C
B 1370	1 A 60	75 W	940	175	300	180
Pillar lantern						
B 1658	1 A 60	75 W	940	175	400	130



Wall lantern for
• incandescent lamps A 60 75 W
Protection class IP 23
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 mm
Colour graphite

Wall lantern	Lumen			A	B	C
B 1372	1 A 60	75 W	940	175	380	240



Wall lantern with bracket for
• incandescent lamps A 60 75 W
Protection class IP 23
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 mm
Colour graphite

Wall lantern	Lumen			A	B	C
B 1371	1 A 60	75 W	940	175	375	275



The lantern

Lanterns have been used to shield light sources from wind and rain since time immemorial. The luminaires on this page are designed to continue this tradition. They are simple creations, clear and individualistic in shape, produced by craftsmen. They have a metal housing with openings which are covered with antique glass. Lantern B 1269 has only a slight overhang, the back is closed. A reflector is fixed here which primarily directs the light to the front. These are modern luminaires modelled on original traditional lanterns.

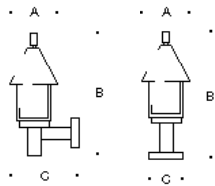
Luminaires B 1270 and B 1271 can be mounted on house corners with a corner block. For a description of the corner block, see page 88.



Wall lanterns + pillar lanterns
in two sizes for

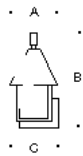
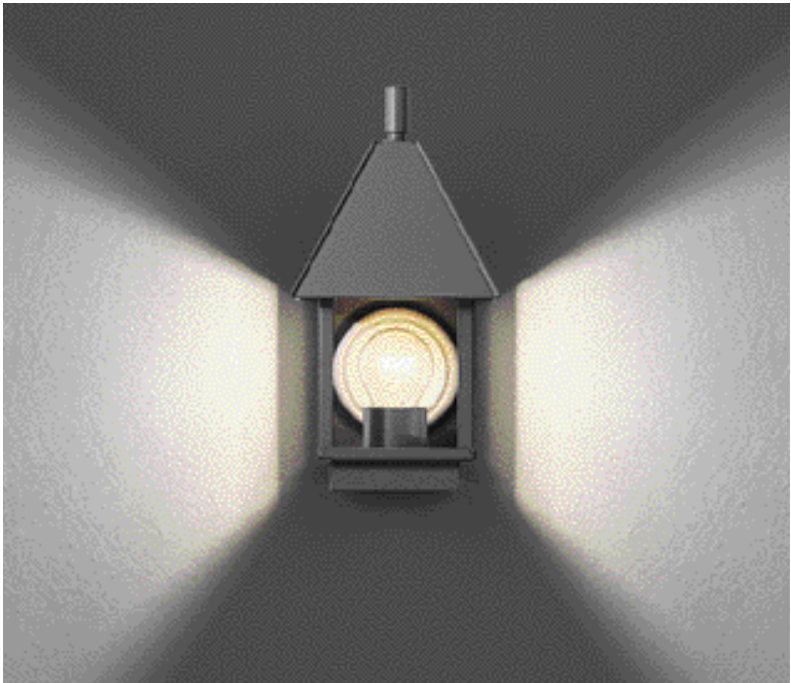
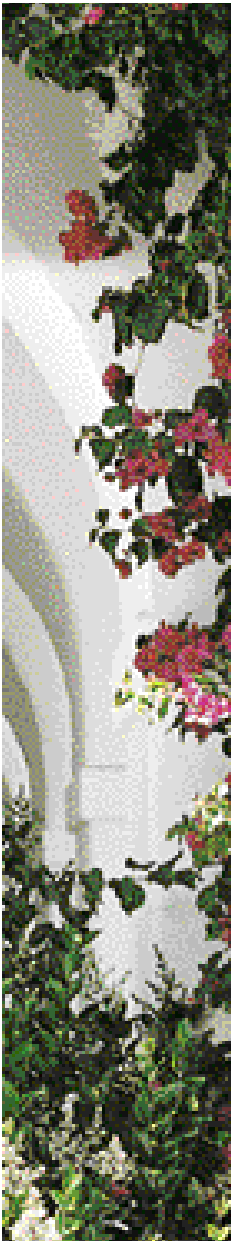
- incandescent lamps A 60 75 · 100 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 · 130 mm
Colour graphite



Wall lanterns	Lumen			A	B	C
B 1270	1 A 60	75 W	940	175	430	240
B 1271	1 A 60	100 W	1360	220	580	345

Pillar lanterns				A	B	C
B 1536	1 A 60	75 W	940	175	490	130
B 1537	1 A 60	100 W	1360	220	640	130



Wall lantern for

- incandescent lamps A 60 75 W

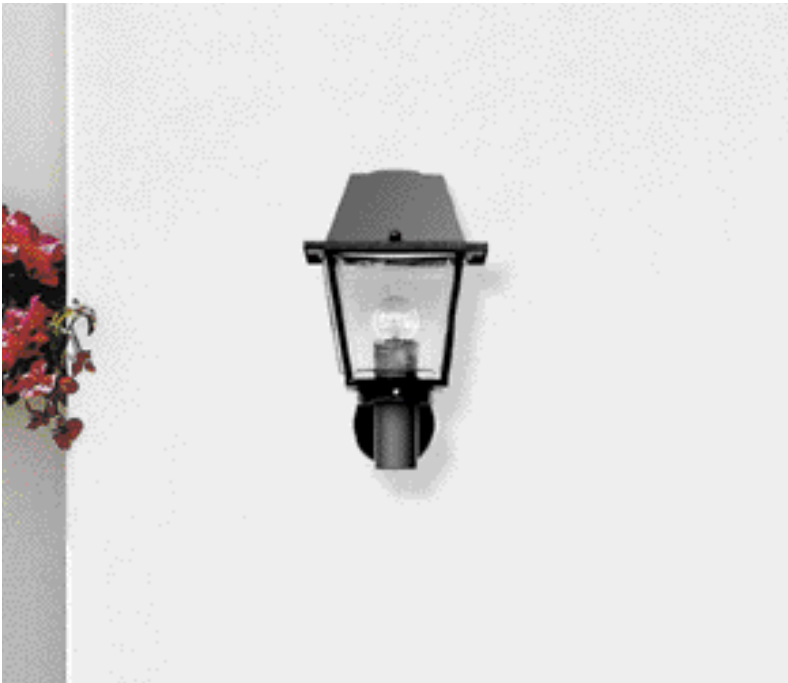
Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Antique glass
Wall mounting plate 110 x 110 mm
Colour graphite

Wall lantern	Lumen			A	B	C
B 1269	1 A 60	75 W	940	175	350	185

The lantern

The heavy hand-blown crystal glass of the luminaires on this double page has a slightly folded structure through which the light breaks. If clear incandescent lamps are used, this light effect is intensified and especially beautiful.

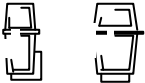
Luminaire B 1325 can be mounted on house corners with a corner block. For a description of the corner block, see page 88.



Wall lantern for
• incandescent lamps A 60 100 W
Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Crystal bubble glass
Wall mounting plate 110 mm
Colour graphite

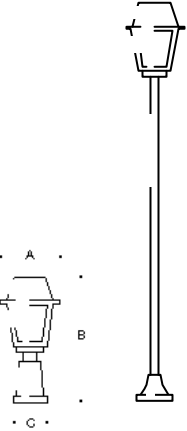


Wall lantern	Lumen	A	B	C
B 1325	1 A 60 100 W 1360	240	390	270



Wall lantern for
• incandescent lamps A 60 75 W
Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Crystal bubble glass
Wall mounting plate 110 x 110 mm
Colour graphite

Wall lantern	Lumen	A	B	C
B 1362	1 A 60 75 W 940	225	290	155



Pillar lantern for
• incandescent lamps A 60 100 W
Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Crystal bubble glass
Colour graphite

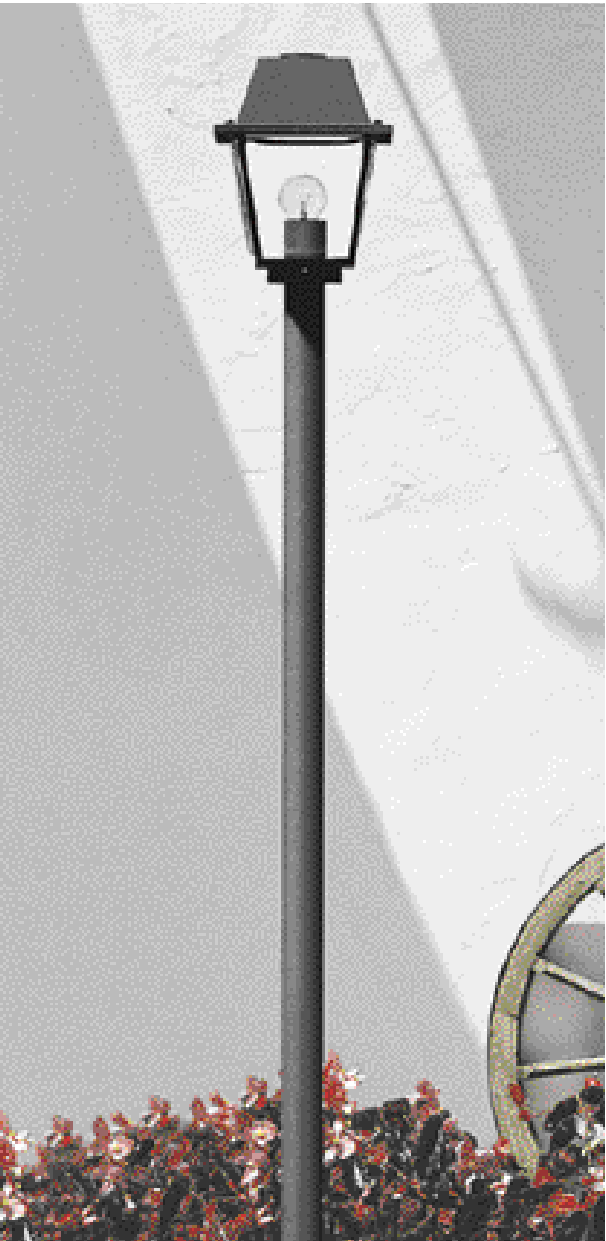
Pillar lantern	Lumen	A	B	C
B 1625	1 A 60 100 W 1360	240	500	130

Pole-top lantern for
• incandescent lamps A 60 100 W
Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Crystal bubble glass
Colour graphite

Matching pole with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Pole-top lantern	Lumen	A	B
B 1721	1 A 60 100 W 1360	240	300

Pole		
B 560	Pole for B 1721	H = 1800 mm
B 572	Anchorage unit for pole B 560	



This series of luminaires is derived from the host of shapes in old Dutch luminaires, and constructed for present day use. The strong grid protecting the glass is not only there for practical reasons. It produces an effective play of light and shade, reminding us of Dutch master craftsmanship.

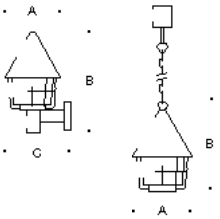


Wall luminaire + pendant luminaire for

- incandescent lamps A 60 75 W

B 1379 · Protection class IP 44
B 1062 · Protection class IP 20
Aluminium, die cast aluminium and stainless steel · Crystal bubble glass
Wall mounting plate 110 mm

Colour graphite or white · White denoted by **W** after the article number.
Pendant luminaire
Overall length 1500 mm



Wall luminaire	Lumen			A	B	C
B 1379	1 A 60	75 W	940	220	400	270
Pendant luminaire						
B 1062	1 A 60	75 W	940	220	310	



Pillar luminaire for

- incandescent lamps A 60 75 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Crystal bubble glass
Colour graphite or white · White denoted by **W** after the article number.

Pillar luminaire	Lumen			A	B	C
B 1659	1 A 60	75 W	940	220	500	130

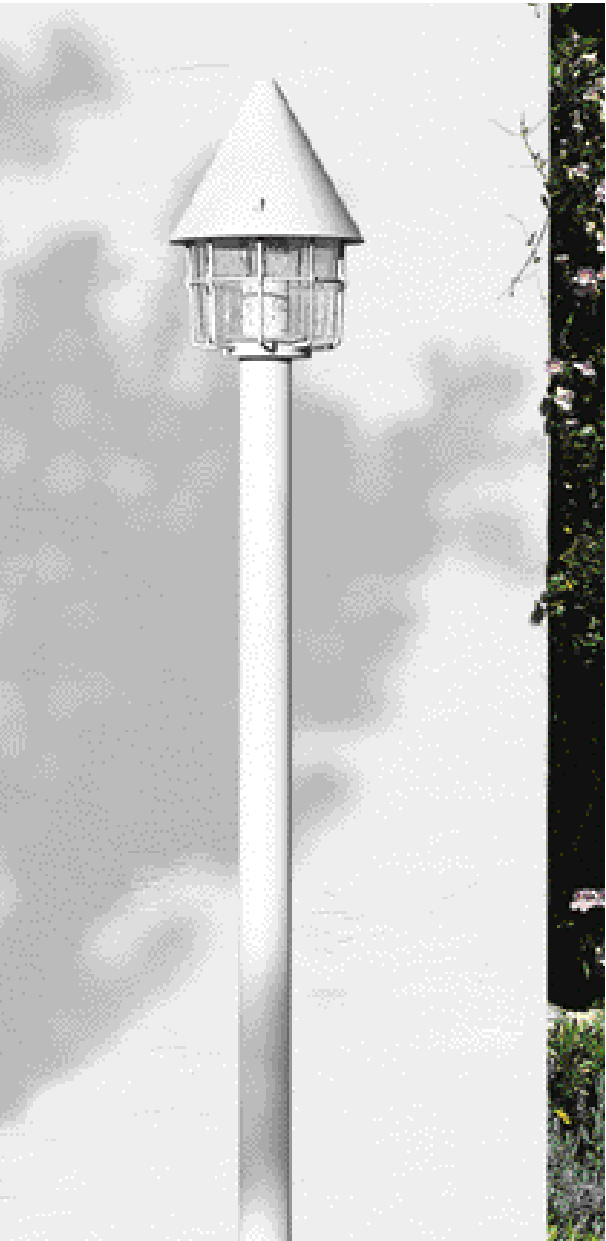
Pole-top luminaire for

- incandescent lamps A 60 75 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Crystal bubble glass
Matching pole with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.
Colour graphite or white · White denoted by **W** after the article number.

Pole-top luminaire	Lumen			A	B
B 1720	1 A 60	75 W	940	220	300

Pole		
B 560	Pole for B 1720	H = 1800 mm
B 572	Anchorage unit for pole B 560	



Luminaires of die cast bronze

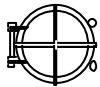
Impact-resistant wall and ceiling luminaires made of massive die cast bronze. They are available in two sizes designed for incandescent lamps and fluorescent lamps.
Heavy and extremely robust luminaires made of corrosion-resistant bronze. They are modelled on traditional maritime designs.
They are distinguished by their simple functional elements and easy handling. The luminaires can be opened for installation and relamping without tools.
The thick-walled crystal glass has an optical structure inside to enhance diffusion of the light.
Versatile in application, these luminaires are designed for areas where a high degree of robustness and corrosion-resistance is required.



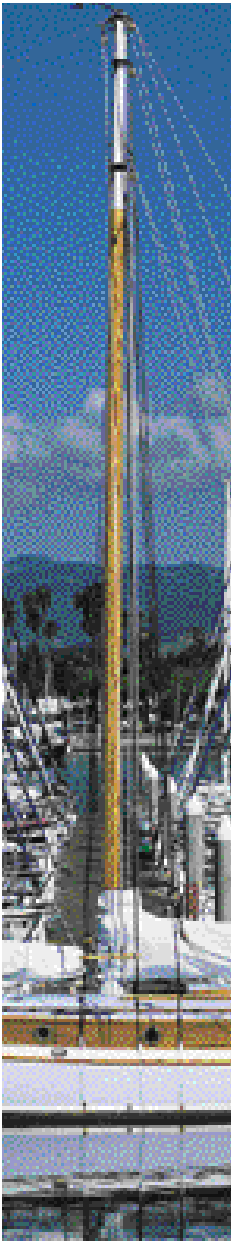
Ceiling + wall luminaires
in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-T 18 · 26 W

Protection class IP 55
Die cast bronze and brass
White crystal glass



Ceiling + wall luminaires			Lumen	A	B
B 1280	1 A 60	60 W	720	200	160
B 1284	1 A 60	75 W	940	260	130
B 1282	1 TC-T	18 W	1200	200	160
B 1286	1 TC-T	26 W	1800	260	130



Wall luminaires in two sizes for

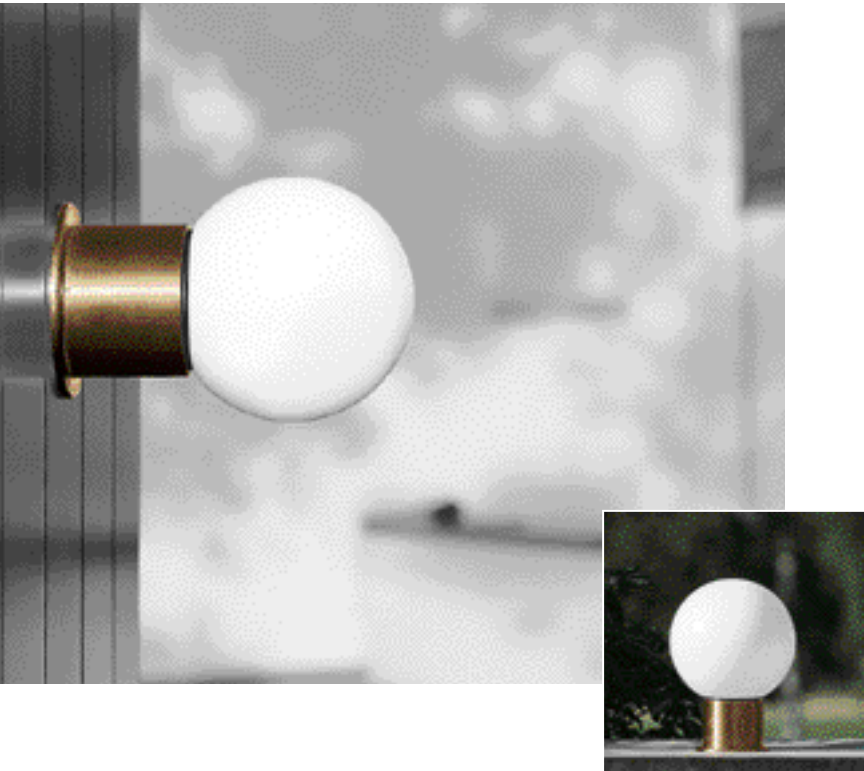
- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-T 18 · 26 W

Protection class IP 55
Die cast bronze and brass
White crystal glass

Wall luminaires			Lumen	A	B
B 1281	1 A 60	60 W	720	200	160
B 1285	1 A 60	75 W	940	260	130
B 1283	1 TC-T	18 W	1200	200	160
B 1287	1 TC-T	26 W	1800	260	130

The sphere · Copper + three-ply opal glass

The sphere – classic of light. Outdoor luminaires versatile in application, successfully combining three-ply opal glass with its uniform light distribution and the material copper with its living surface. These luminaires of diverse size and light output are suitable for many application areas. A declaration of clear shape and functionality.

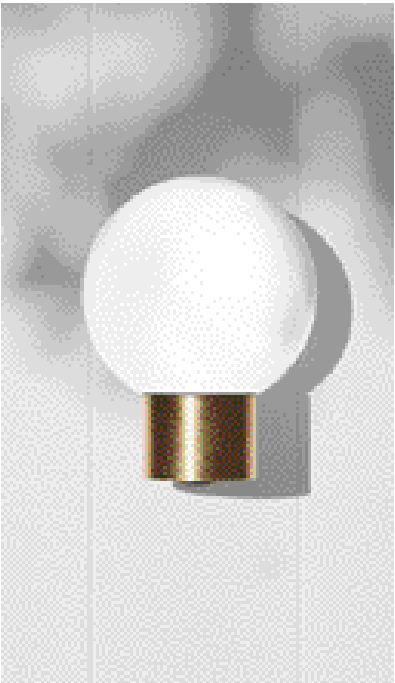


Ceiling + wall + pillar luminaires
in three sizes for

- incandescent lamps A 60 60 · 75 · 100 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 18 W

Protection class IP 64
Copper · Three-ply opal glass

Ceiling · Wall · Pillar	Lumen	A	B	C
B 1191	1 A 60 60 W	720	150	215 120
B 1192	1 A 60 75 W	940	220	305 140
B 1194	1 A 60 100 W	1360	270	365 160
B 1193	1 TC-D 13 W	900	220	305 140
B 1195	1 TC-T 18 W	1200	270	365 160

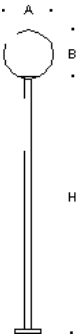
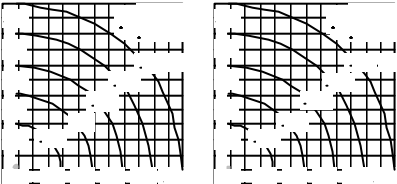


Wall luminaires in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 13 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 110 mm

Wall luminaires	Lumen	A	B	C
B 1484	1 A 60 60 W	720	150	225 160
B 1485	1 A 60 75 W	940	220	310 240
B 1486	1 TC-D 13 W	900	220	310 240



Pole-top luminaire for

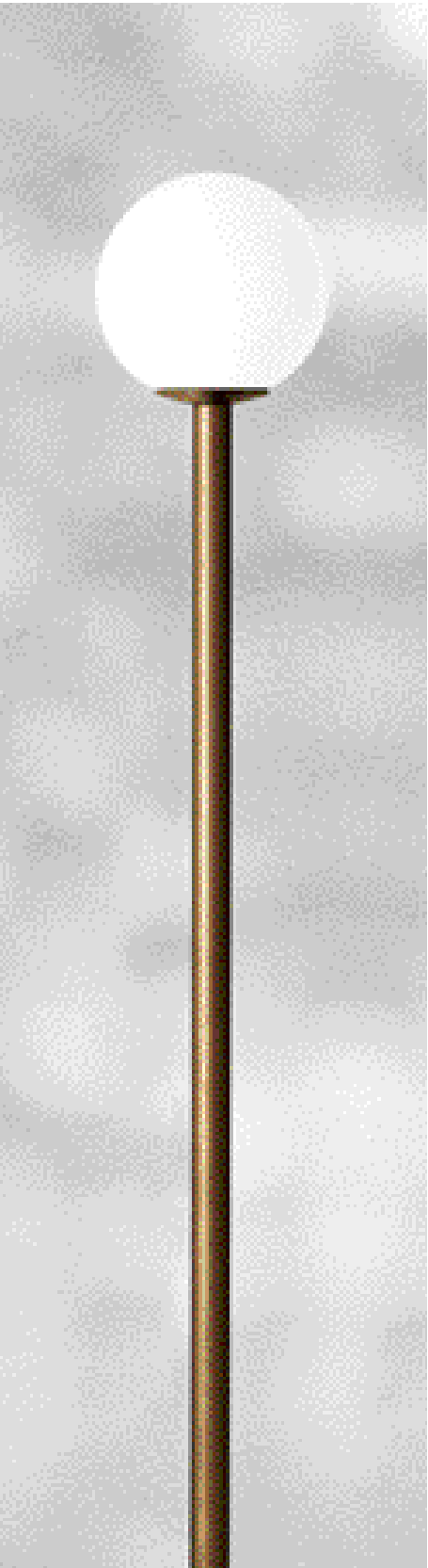
- incandescent lamps A 60 100 W

Protection class IP 44
Die cast bronze · Three-ply opal glass
G 1/2 · ISO · DIN 228 mounting bush

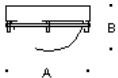
Matching poles made of copper with base plate made of die cast bronze for bolting to a foundation or anchorage unit. Description, pages 89–91.

Pole-top luminaire	Lumen	A	B
B 1713	1 A 60 100 W	1360	350 350

Poles		
B 552	Pole for B 1713	H = 1700 mm
B 550	Pole for B 1713	H = 2000 mm
B 573	Anchorage unit for poles B 550 · B 552	



Ceiling luminaires and wall luminaires in diverse sizes for incandescent lamps and fluorescent lamps. These enclosed luminaires are made of copper and thick-walled crystal glass. They are notable for their high level of operating reliability. These models reflect a low amount of light onto the mounting surface. Lateral light output emphasizes their functional and distinctive shape.

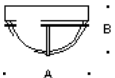
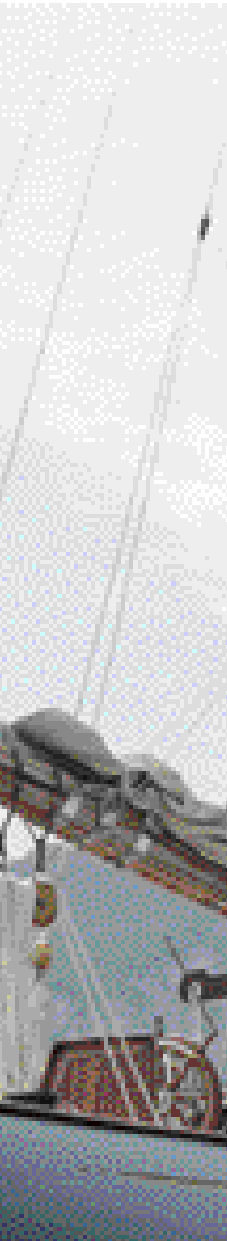


Ceiling + wall luminaires
in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 13 · 18 W

Protection class IP 54
Copper · White crystal glass

Ceiling + wall luminaires			Lumen	A	B
B 1489	1 A 60	60 W	720	220	120
B 1491	1 A 60	75 W	940	280	135
B 1490	1 TC-D	13 W	900	220	120
B 1492	1 TC-D	18 W	1200	280	135

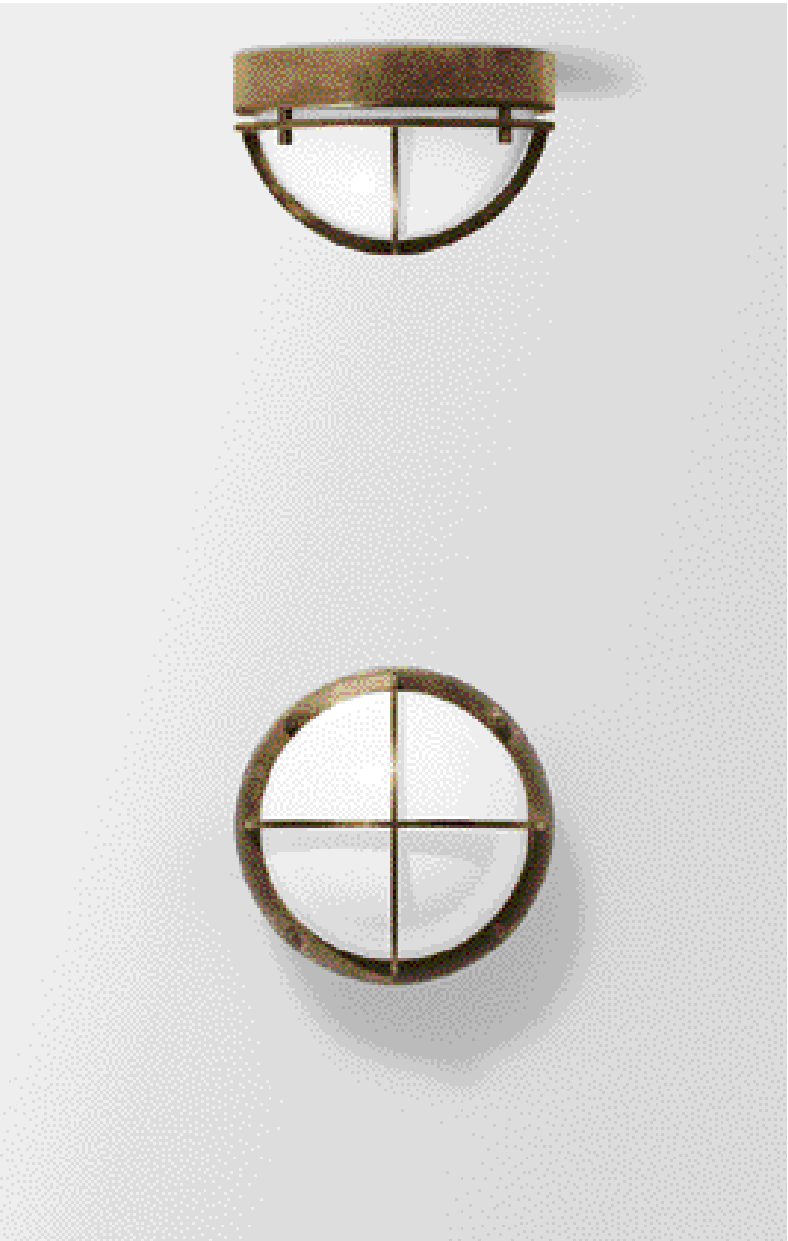


Ceiling + wall luminaires
in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 13 · 18 W

Protection class IP 54
Copper · White crystal glass

Ceiling + wall luminaires			Lumen	A	B
B 1495	1 A 60	60 W	720	220	130
B 1497	1 A 60	75 W	940	280	145
B 1496	1 TC-D	13 W	900	220	130
B 1498	1 TC-D	18 W	1200	280	145



Ceiling + wall luminaires · Copper + three-ply opal glass

These high-quality luminaires are made of copper and hand-blown glass. They are designed for incandescent lamps and fluorescent lamps. Versatile luminaires, impressive for their diverse dimensions and light outputs. Our three-ply opal glass again demonstrates its excellent characteristics in this group of luminaires. It reduces the luminance of the lamps and produces pleasant light distribution without significant light loss. Given the course of time and weather factors, a natural patina with a very beautiful colour structure is formed on the copper surface.

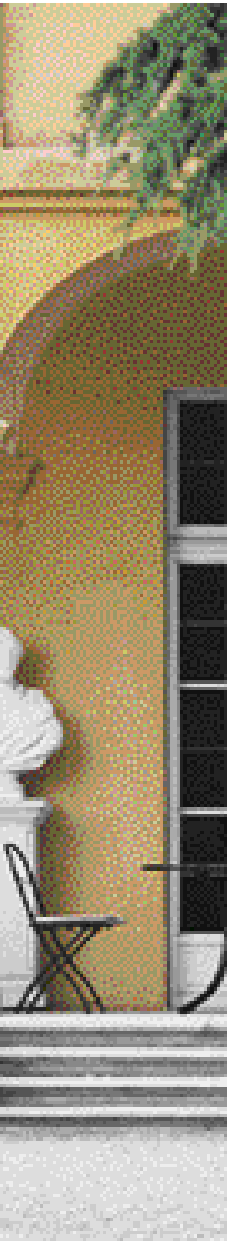


Ceiling + wall luminaires
in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 13 · 18 W

Protection class IP 44
Copper · Three-ply opal glass

Ceiling + wall luminaires				Lumen	A	B
B 1242	1 A 60	75 W	940	270	130	
B 1244	2 A 60	60 W	1440	320	160	
B 1243	1 TC-D	18 W	1200	270	130	
B 1245	2 TC-D	13 W	1800	320	160	



Ceiling + wall luminaires
in three sizes for

- incandescent lamps A 60 60 · 100 W
- fluorescent lamps TC-D 13 · 18 · 26 W

Protection class IP 44
Copper · Three-ply opal glass

Ceiling + wall luminaires				Lumen	A	B
B 1164	1 A 60	60 W	720	250	90	
B 1165	1 A 60	100 W	1360	300	110	
B 1166	2 A 60	60 W	1440	350	125	
B 1167	2 TC-D	13 W	1800	250	90	
B 1168	2 TC-D	18 W	2400	300	110	
B 1169	2 TC-D	26 W	3600	350	125	



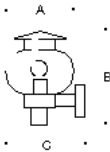
Copper building details have a long history, rich in tradition. We maintain this tradition by manufacturing luminaires made of copper. They are supplied with their natural metal surface. And time and weather factors create the patina characteristic for copper. Copper harmonizes well with glass. Copper and glass have something in common: they have been melted in glowing fire, and they are of great purity, displaying unequalled corrosion-resistance in any climate. Good technical construction and well-balanced design enhance the precious impression of these classic materials.



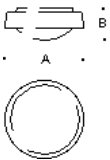
Wall luminaire for

- incandescent lamps A 60 100 W

Protection class IP 23
Copper · Crystal bubble glass
Wall mounting plate 110 mm



Wall luminaire	Lumen	A	B	C
B 1471	1 A 60 100 W 1360	235	320	280

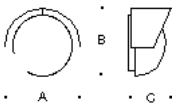


Ceiling luminaires in two sizes for

- incandescent lamps A 60 60 · 100 W
- fluorescent lamps TC-D 13 · 18 W

Protection class IP 44
Copper · Three-ply opal glass
Twist-lock closure

Ceiling luminaires	Lumen	A	B
B 1131	1 A 60 60 W 720	250	110
B 1133	1 A 60 100 W 1360	300	120
B 1132	1 TC-D 13 W 900	250	110
B 1134	1 TC-D 18 W 1200	300	120

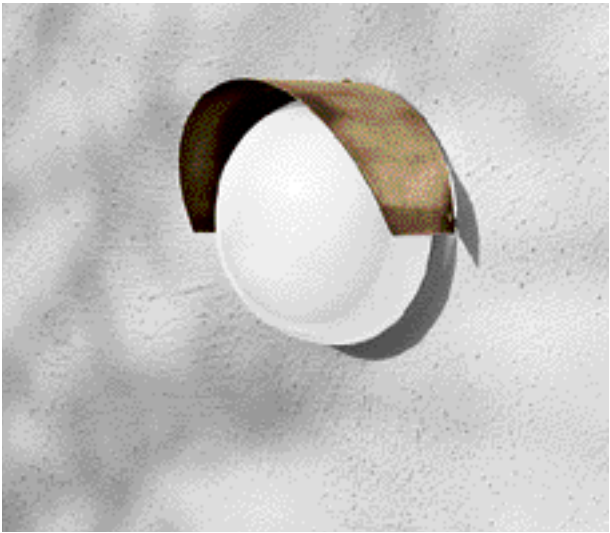


Wall luminaire for

- incandescent lamps A 60 75 W

Protection class IP 44
Copper · Three-ply opal glass
Twist-lock closure

Wall luminaire	Lumen	A	B	C
B 1470	1 A 60 75 W 940	245	235	140



Ceiling luminaires, wall luminaires and pendant luminaires made of copper and crystal glass or copper and three-ply opal glass.
Impressively functional luminaires of a simple clear shape.
These luminaires are available in diverse sizes and light outputs, providing a solution to a host of lighting tasks.

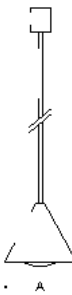
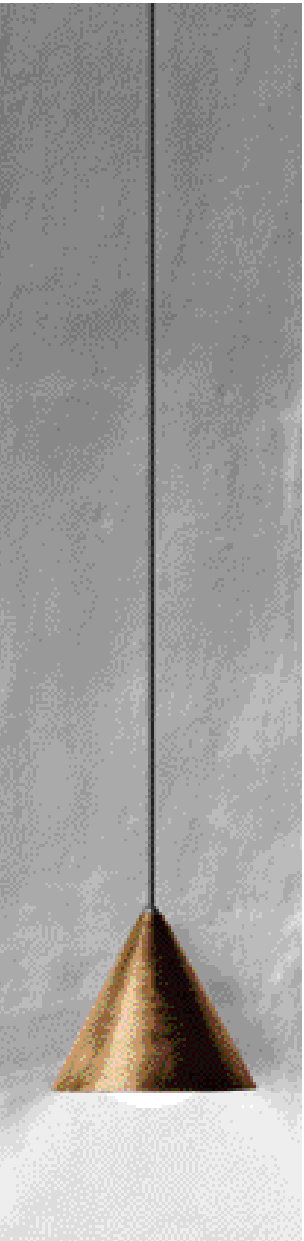


Ceiling luminaires in three sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 13 W

Protection class IP 64
Copper · Crystal bubble glass

Ceiling luminaires	Lumen		A	B	C
B 1172	1 D 45	40 W	400	150	170 90
B 1173	1 A 60	60 W	720	195	205 120
B 1174	1 A 60	75 W	940	220	235 140
B 1175	1 TC-D	13 W	900	220	235 140

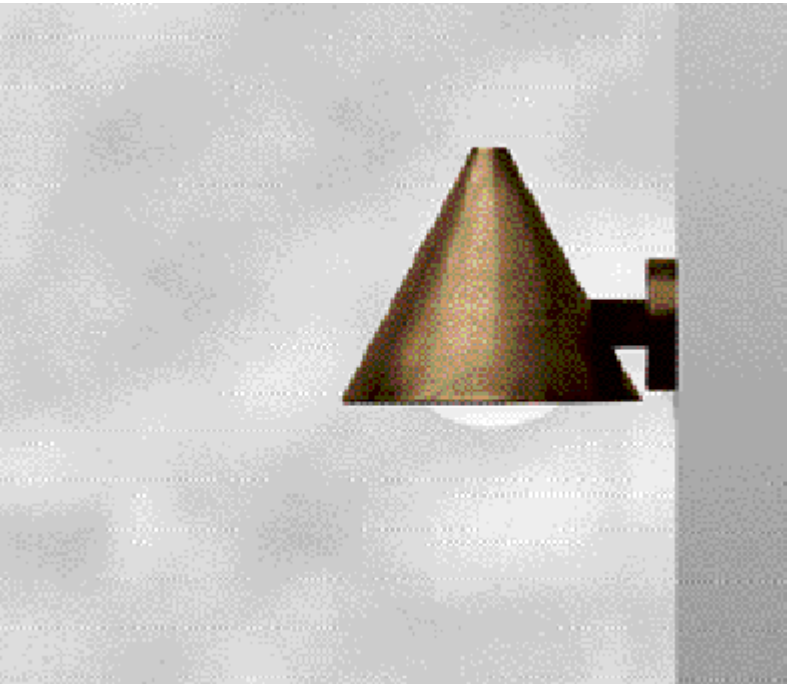


Pendant luminaires for

- incandescent lamps A 60 60 W
- fluorescent lamps TC-T 18 W

Protection class IP 20
Copper · Three-ply opal glass
Overall length 1500 mm

Pendant luminaires	Lumen		A	B
B 1073	1 A 60	60 W	720	250 230
B 1079	1 TC-T	18 W	1200	250 230



Wall luminaires in two sizes for

- incandescent lamps A 60 60 · 75 W
- fluorescent lamps TC-D 10 · 13 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 110 mm

Wall luminaires	Lumen		A	B	C
B 1264	1 D 45	40 W	400	150	200 185
B 1265	1 A 60	60 W	720	195	245 235

Wall luminaires	Lumen		A	B	C
B 1472	1 A 60	60 W	720	210	190 240
B 1473	1 A 60	75 W	940	250	230 280
B 1476	1 TC-D	10 W	600	210	190 240
B 1477	1 TC-D	13 W	900	250	230 280

Luminaires of copper + three-ply opal glass

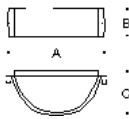
Wall luminaires with one light source and two-sided light output, shielded at the front. They provide a good solution to a host of design and lighting tasks. The wall surface on which this luminaire is mounted also serves as reflection surface for the soft diffused light which is radiated upwards and downwards.



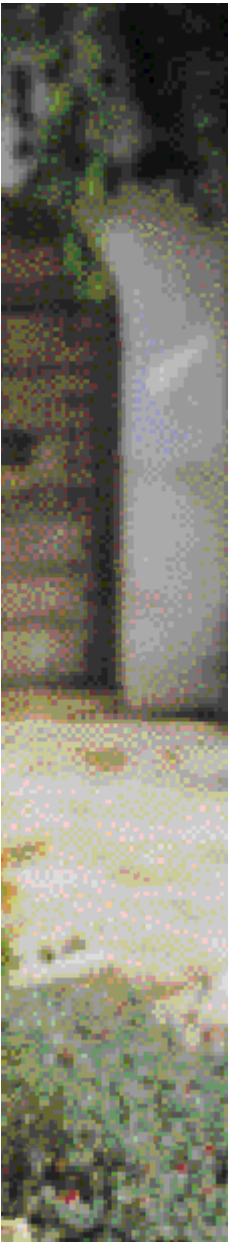
Wall luminaires in three sizes for

- incandescent lamps QT 32 60 W
- fluorescent lamps TC-D 18 · 26 W
- fluorescent lamps TC-T 18 W

Protection class IP 44
Copper · Three-ply opal glass



Wall luminaires		Lumen		A	B	C
B 1451	1 QT 32 60 W	780	260	90	115	
B 1453	1 QT 32 75 W	1050	300	100	130	
B 1455	2 QT 32 60 W	1560	400	100	110	
B 1452	1 TC-D 18 W	1200	260	90	115	
B 1454	1 TC-D 26 W	1800	300	100	130	
B 1456	2 TC-T 18 W	2400	400	100	110	



Wall luminaires in two sizes for

- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-D 26 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 150 mm

Wall luminaires		Lumen		A	B	C
B 1272	1 TC-S 11 W	900	170	360	100	
B 1273	1 TC-D 26 W	1800	220	570	160	



The construction of these wall luminaires makes them particularly well-suited for installation on columns, wall pillars and wall faces. They are designed to illuminate impressive entrances or colonnades, halls and large wall surfaces, both indoors and outdoors.



Wall luminaires in two sizes for

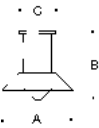
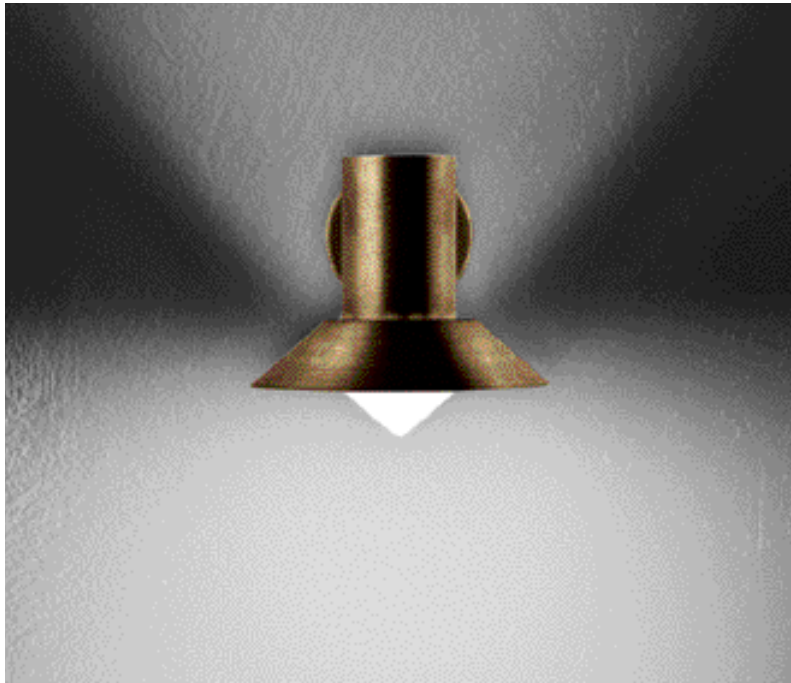
- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-D 26 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 150 mm

Wall luminaires		Lumen		A	B	C
B 1274	1 TC-S 11 W	900	170	360	115	
B 1275	1 TC-D 26 W	1800	220	570	175	

Luminaires of copper + glass

The shape of a lantern is determined by unequalled diversity. Its original function was to illuminate houses and courtyards, and this clearly defined its shape. The luminaires on this double page are designed to continue this tradition. The wall luminaires on the left have a slight overhang and direct their light primarily downwards. They are ideal for illuminating surfaces directly below the mounting surface. The luminaires on page 33 have a larger overhang and a predefined light direction. They are particularly suitable for areas in front of the mounting surface. The material copper with its living surface also underlines the special character of these luminaires. Luminaires designed for houses and courtyards, next to and over doors, and for many other lighting tasks.

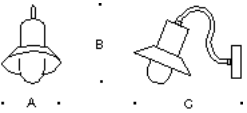


Ceiling luminaires in two sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 W

Protection class IP 64
Copper · Three-ply opal glass

Ceiling luminaires	Lumen		A	B	C
B 1266	1 D 45	40 W	400	180	175 90
B 1267	1 A 60	60 W	720	260	215 120



Wall luminaires in two sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 W

Protection class IP 44
Copper · Crystal bubble glass
Wall mounting plate 90 · 110 mm

Wall luminaires in two sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 110 mm



Wall luminaires	Lumen		A	B	C
B 1262	1 D 45	40 W	400	180	165 195
B 1263	1 A 60	60 W	720	260	205 280

Wall luminaires	Lumen		A	B	C
B 1152	1 D 45	40 W	400	180	250 320
B 1153	1 A 60	60 W	720	260	310 425

Shielded light

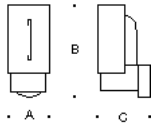
Wall luminaires of copper and three-ply opal glass, designed for incandescent lamps and fluorescent lamps. These luminaires in diverse sizes and light outputs are shielded at the front or at the top. The wall luminaires on page 34 shield the light at the front. They use the reflection on the mounting surface to provide soft uniform light distribution. These luminaires create pleasant atmospheric lighting without glare. The luminaires on page 35 shield the light upwards and direct it primarily downwards. These versatile luminaires can solve a host of lighting tasks.



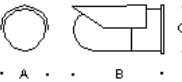
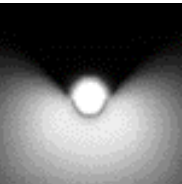
Wall luminaires in two sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 W
- fluorescent lamps TC-D 18 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 80 · 90 mm



Wall luminaires			Lumen	A	B	C
B 1249	1 D 45	40 W	400	95	230	115
B 1250	1 A 60	60 W	720	120	245	140
B 1248	1 TC-D	18 W	1200	120	320	140

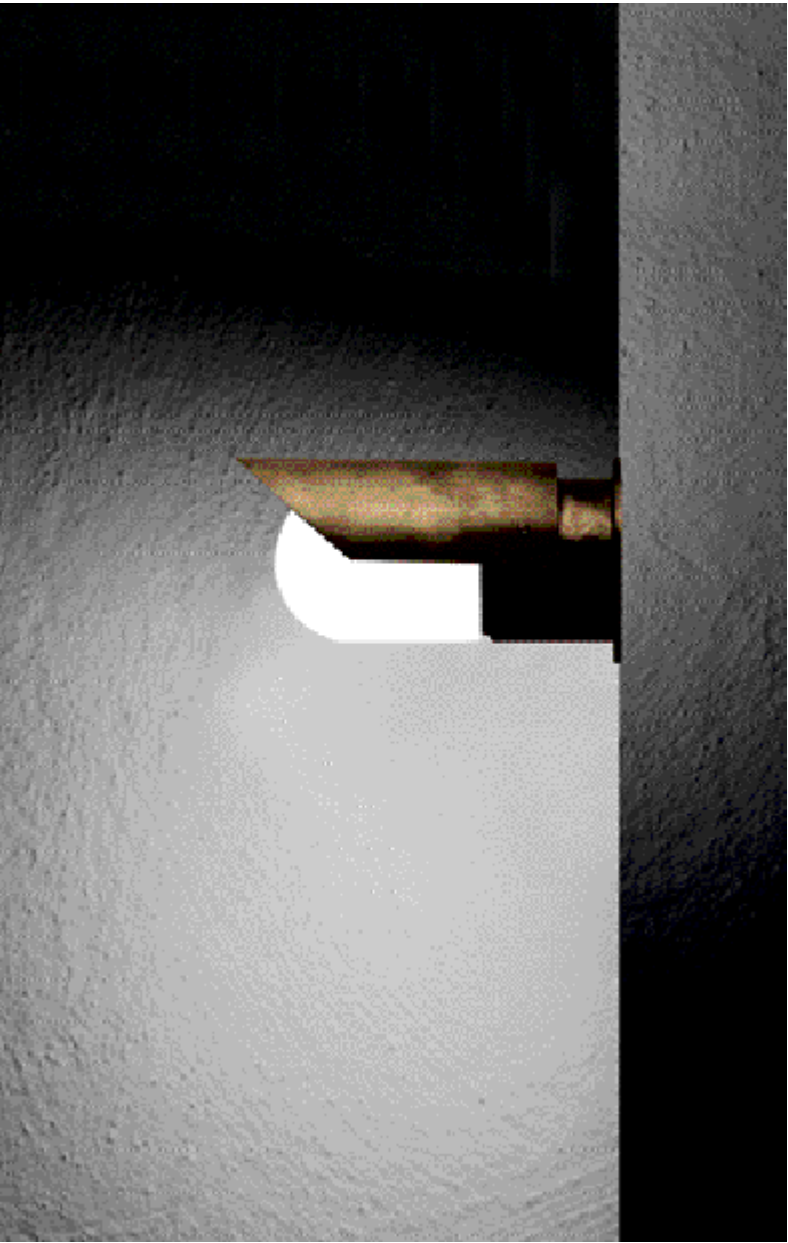


Wall luminaires in four sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 · 75 · 100 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 18 W

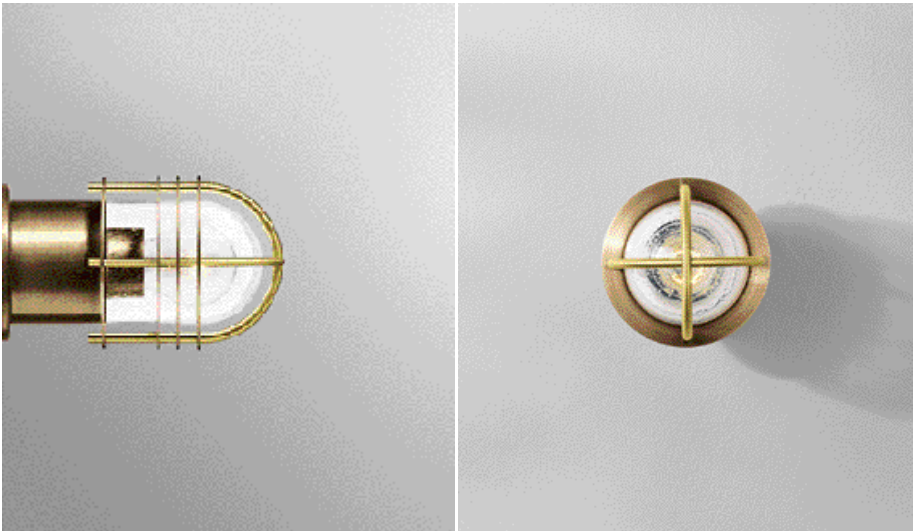
Protection class IP 64
Copper · Three-ply opal glass

Wall luminaires			Lumen	A	B	C
B 1481	1 D 45	40 W	400	90	185	90
B 1478	1 A 60	60 W	720	120	230	120
B 1479	1 A 60	75 W	940	140	260	140
B 1487	1 A 60	100 W	1360	150	295	160
B 1480	1 TC-D	13 W	900	140	260	140
B 1488	1 TC-T	18 W	1200	150	295	160



Living light

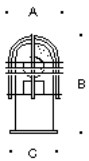
Ceiling luminaires, wall luminaires or pillar luminaires.
Unshielded luminaires which can be installed in any burning position.
Many lighting tasks can be solved with the matching garden luminaires
where the intention is to create an overall uniform impression.
These luminaires are available in diverse sizes and light outputs.
Living light and a brilliant light effect.
Luminaires full of character, made of copper and crystal bubble glass.



Ceiling + wall + pillar luminaires with guard in two sizes for

- incandescent lamps A 60 60 · 100 W

Protection class IP 64
Copper · Crystal bubble glass



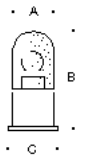
Ceiling + wall + pillar				Lumen	A	B	C
B 1180	1 A 60	60 W		720	130	220	120
B 1181	1 A 60	100 W		1360	180	285	160



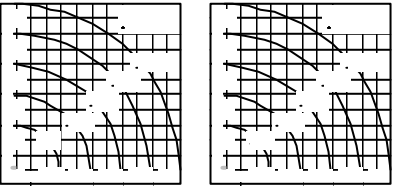
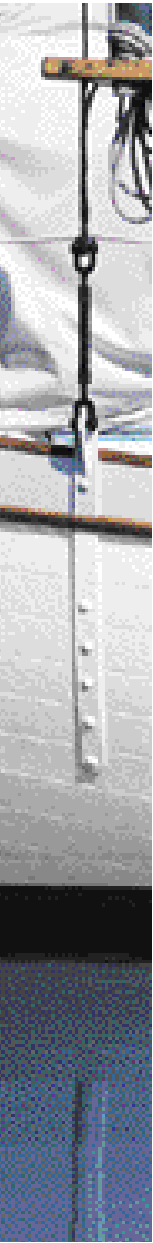
Ceiling + wall + pillar luminaires in two sizes for

- incandescent lamps A 60 60 · 100 W

Protection class IP 64
Copper · Crystal bubble glass



Ceiling + wall + pillar				Lumen	A	B	C
B 1160	1 A 60	60 W		720	95	205	120
B 1162	1 A 60	100 W		1360	130	265	160



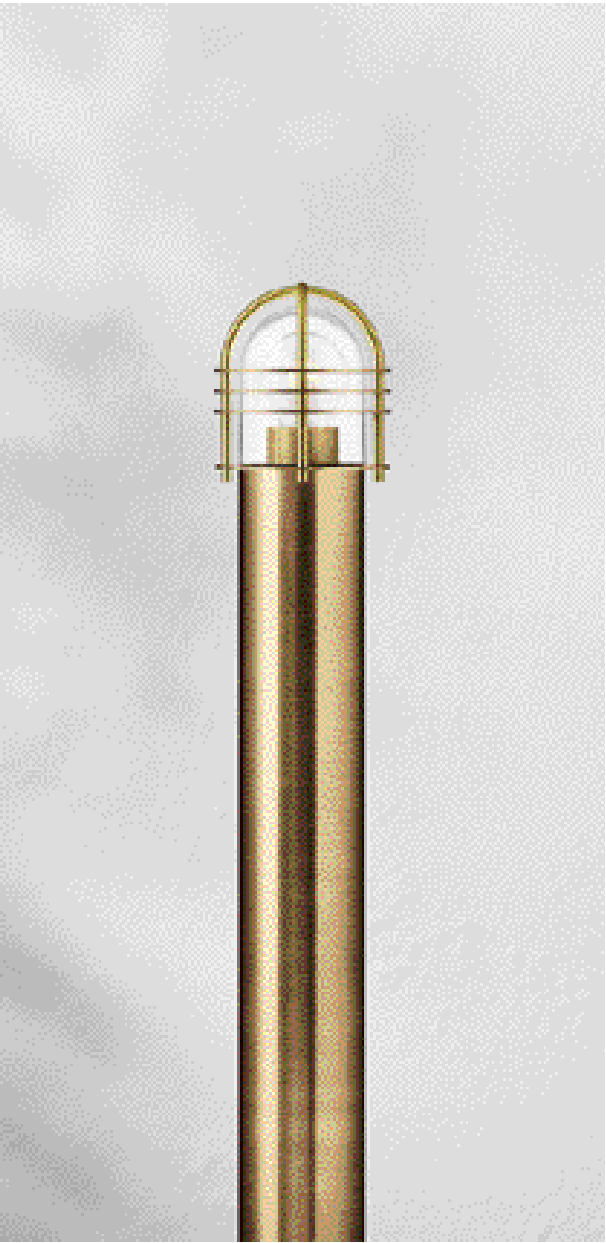
Garden luminaires in two sizes for

- incandescent lamps A 60 60 · 100 W

Protection class IP 44
Copper · Crystal bubble glass
Base plate made of die cast bronze

With mounting plate for bolting
to a foundation or anchorage unit.
Description, page 89.

Garden luminaires				Lumen	A	B	C
B 1530	1 A 60	60 W		720	130	950	150
B 1531	1 A 60	100 W		1360	180	1200	200
B 572	Anchorage unit for B 1530 · B 1531						



Copper and crystal bubble glass are a particularly attractive combination for the luminaires on this double page. Hand-blown crystal glass with countless enclosed air bubbles produces an impressive image of light. Due to the influence of weather factors, copper develops a natural patina over the course of time. A living surface in harmony with the interplay of light on the glass. The brilliance of the crystal bubble glass is enhanced by using clear incandescent lamps.

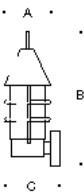


Wall luminaires in two sizes for

- incandescent lamps A 60 75 · 100 W

Protection class IP 44
Copper · Crystal bubble glass
Wall mounting plate 110 mm

Wall luminaires		Lumen		A	B	C
B 1382	1 A 60 75 W	940	150	410	170	
B 1406	1 A 60 100 W	1360	210	520	240	

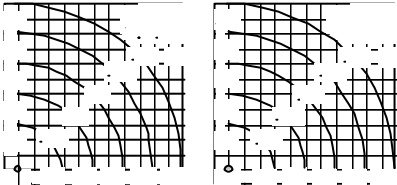


Pendant luminaire for

- incandescent lamps A 60 60 W

Protection class IP 20
Copper · Crystal bubble glass
Overall length 1550 mm

Pendant luminaire		Lumen		A	B
B 1070	1 A 60 60 W	720	150	350	



Pillar luminaires in two sizes for

- incandescent lamps A 60 75 · 100 W

Protection class IP 44
Copper and die cast bronze
Crystal bubble glass

Pillar luminaires		Lumen		A	B	C
B 1667	1 A 60 75 W	940	150	540	130	
B 1687	1 A 60 100 W	1360	210	640	150	

Pole-top luminaires in two sizes for

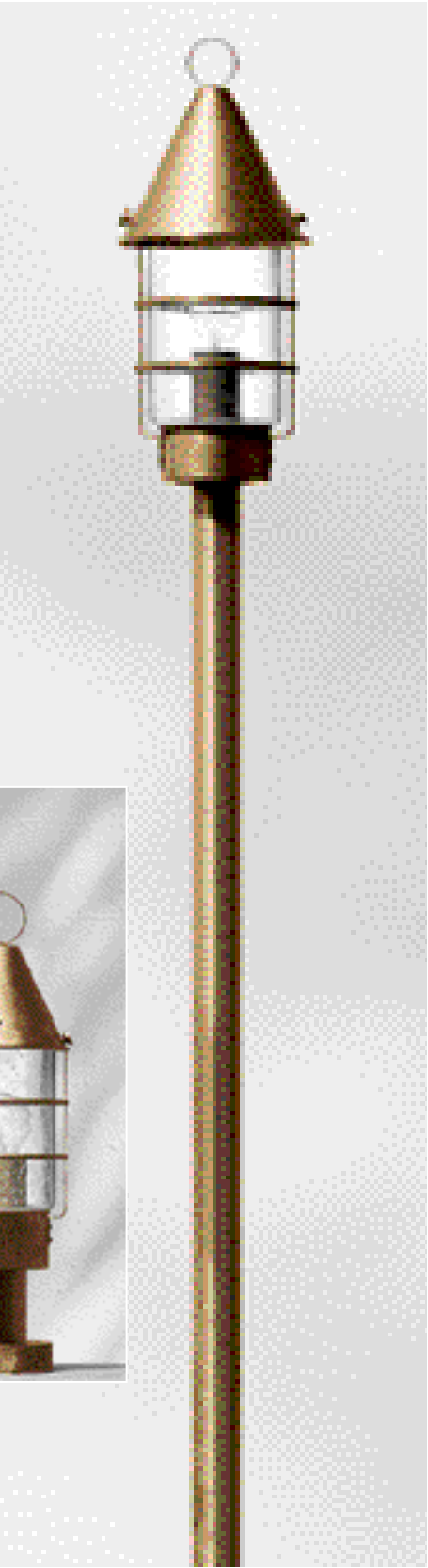
- incandescent lamps A 60 75 · 100 W

Protection class IP 44
Copper and die cast bronze
Crystal bubble glass
G ½ · ISO · DIN 228 mounting bush

Matching poles made of copper with base plate made of die cast bronze for bolting to a foundation or anchorage unit. Description, pages 89–91.

Pole-top luminaires		Lumen		A	B
B 1719	1 A 60 75 W	940	150	390	
B 1729	1 A 60 100 W	1360	210	490	

Poles		
B 552	Pole for B 1719	H = 1700 mm
B 550	Pole for B 1729	H = 2000 mm
B 573	Anchorage unit for poles B 552 · B 550	



Barcelona · Copper + crystal bubble glass

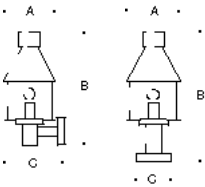
The hand-blown crystal bubble glass of these luminaires has many small hollows and is distinguished by its very distinctive surface. This directs the light from the lamp in many directions with diverse intensity. The impression of a continuous rain of luminous pearls falling from the luminaire is created, a joy to the eye and heart. Only non-frosted incandescent lamps should be used.



Wall + pillar luminaires
in two sizes for

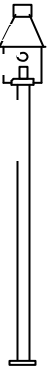
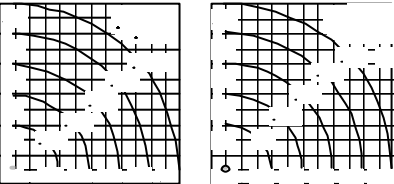
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W

Protection class IP 23
Copper and die cast bronze
Crystal bubble glass
Wall mounting plate 110 mm



Wall luminaires	Lumen	A	B	C
B 1441 1 A 60 100 W	1360	210	450	240
B 1323 1 A 65 150 W	2200	250	530	285

Pillar luminaires	Lumen	A	B	C
B 1570 1 A 60 100 W	1360	210	520	130
B 1623 1 A 65 150 W	2200	250	710	150



Pole-top luminaires in two sizes for

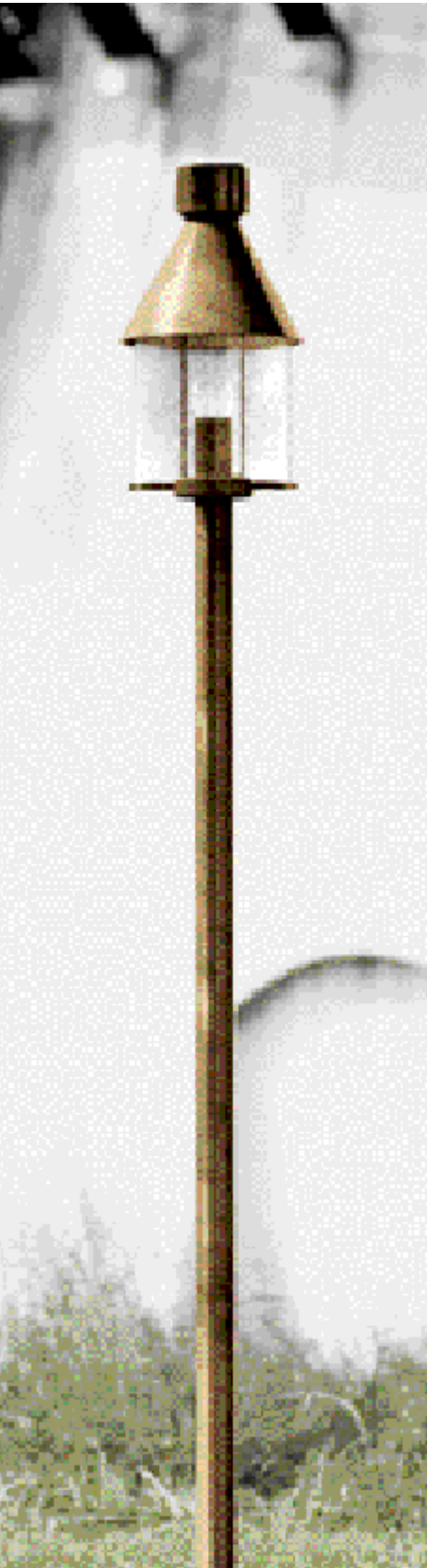
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W

Protection class IP 23
Copper · Crystal bubble glass
G 1/2 · ISO · DIN 228 mounting bush

Matching poles made of copper with base plate made of die cast bronze for bolting to a foundation or anchorage unit. Description, pages 89–91.

Pole-top luminaires	Lumen	A	B
B 1718 1 A 60 100 W	1360	210	380
B 1728 1 A 65 150 W	2200	250	440

Poles		
B 552	Pole for B 1718	H = 1700 mm
B 550	Pole for B 1728	H = 2000 mm
B 573	Anchorage unit for poles B 552 · B 550	



This page shows luminaires made of copper with a crystal glass drum lens, imitating the lanterns of historic ships. Their special charm lies in the combination of this glass with the precious material copper. Given the course of time and weather factors, their beauty is further enhanced by the development of a copper patina. We have named this series of luminaires »Antwerp« as their shape aptly reflects the coastal landscape of the southernmost part of the North Sea.



Pendant luminaire for

- incandescent lamps A 60 75 W

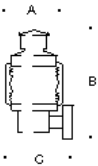
Protection class IP 20
Copper and brass guard
Drum lens made of crystal glass
Overall length 1500 mm

Pendant luminaire	Lumen		A	B
B 1021	1 A 60	75 W	940	180 440

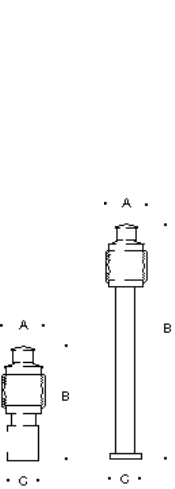
Wall luminaire for

- incandescent lamps A 60 100 W

Protection class IP 44
Copper and brass guard
Drum lens made of crystal glass
Wall mounting plate 110 mm



Wall luminaire	Lumen		A	B	C
B 1019	1 A 60	100 W	1360	180 350	210



Pillar luminaire for

- incandescent lamps A 60 100 W

Protection class IP 44
Copper and brass guard
Drum lens made of crystal glass

Pillar luminaire	Lumen		A	B	C
B 1020	1 A 60	100 W	1360	180 430	130

Garden luminaire for

- incandescent lamps A 60 100 W

Protection class IP 44
Copper and brass guard
Drum lens made of crystal glass
Base plate made of die cast bronze

With mounting plate for bolting to a foundation or anchorage unit. Description, page 89.

Garden luminaire	Lumen		A	B	C
B 1522	1 A 60	100 W	1360	180 1000	150
B 572	Anchorage unit for B 1522				



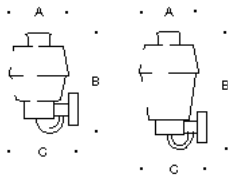
The heavy crystal glass of these luminaire bodies is hand-blown and welded to the copper top. They have an octagonal layout with strongly defined and structured glass surfaces. These features create rather unique luminaires which produce a very distinctive light distribution from the incandescent lamp at night. This beautiful light effect is especially evident when the luminaires are loaded with non-frosted lamps.



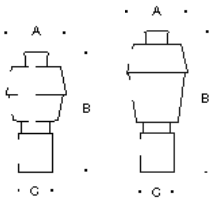
Wall luminaires in two sizes for

- incandescent lamps A 60 100 W

Protection class IP 44
Copper · Crystal bubble glass
Wall mounting plate 110 mm



Wall luminaires			Lumen		A	B	C
B 1010	1	A 60	100 W	1360	220	340	260
B 1009	1	A 60	100 W	1360	220	420	260

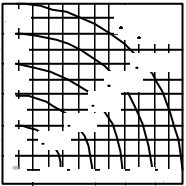


Pillar luminaires in two sizes for

- incandescent lamps A 60 100 W

Protection class IP 44
Copper · Crystal bubble glass

Pillar luminaires			Lumen		A	B	C
B 1664	1	A 60	100 W	1360	220	420	130
B 1011	1	A 60	100 W	1360	220	500	130



Pole-top luminaire for

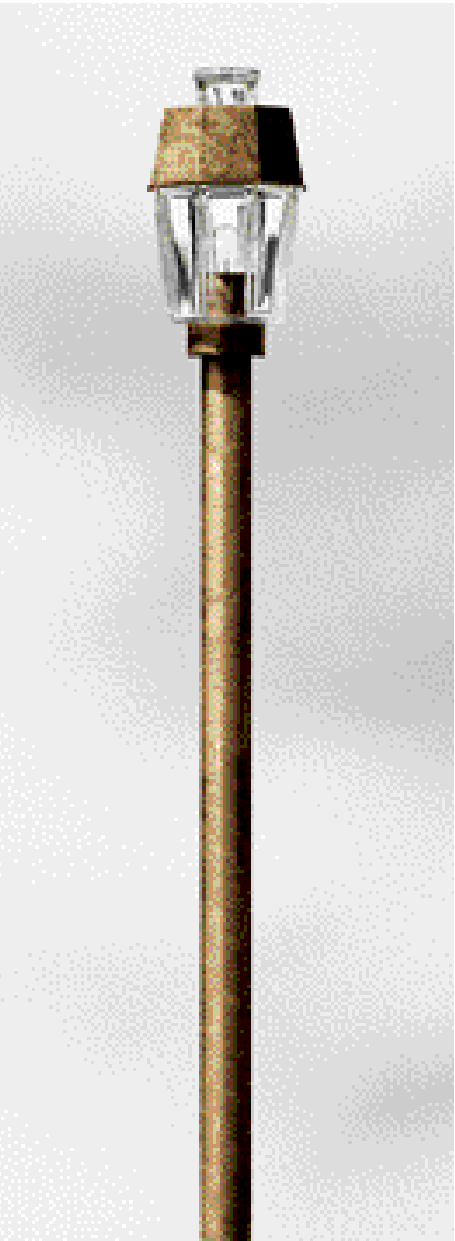
- incandescent lamps A 60 100 W

Protection class IP 44
Copper · Crystal bubble glass
G ½ · ISO · DIN 228 mounting bush

Matching pole made of copper with base plate made of die cast bronze for bolting to a foundation or anchorage unit. Description, pages 89–91.

Pole-top luminaire		Lumen		A	B
B 1723	1	A 60	100 W	1360	220 360

Pole		
B 552	Pole for B 1723	H = 1700 mm
B 573	Anchorage unit for pole B 552	



Brilliant light · Copper + crystal bubble glass

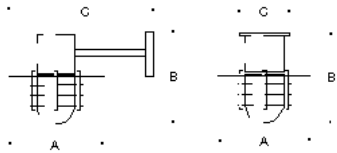
Wall luminaires, ceiling luminaires and garden luminaires designed for incandescent lamps. These luminaires are made of copper with hand-blown crystal bubble glass. Crystal bubble glass is a glass with an extremely living surface. When the molten glass solidifies, air bubbles are trapped inside. This produces brilliant light of exceptional expressiveness. The living light from these luminaires is especially evident when clear incandescent lamps are used.



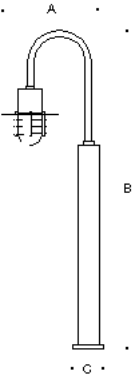
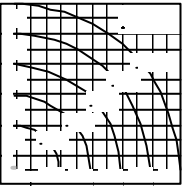
Wall luminaire + ceiling luminaire for

- incandescent lamps A 60 60 W

B 1354 · Protection class IP 44
B 1179 · Protection class IP 64
Copper · Crystal bubble glass
Wall mounting plate 110 mm



Wall luminaire	Lumen			A	B	C
B 1354	1 A 60	60 W	720	235	225	370
Ceiling luminaire						
B 1179	1 A 60	60 W	720	235	225	120



Garden luminaire for

- incandescent lamps A 60 60 W

Protection class IP 44
Copper · Crystal bubble glass
Base plate made of die cast bronze

With mounting plate for bolting to a foundation or anchorage unit. Description, page 89.

Garden luminaire	Lumen			A	B	C
B 1532	1 A 60	60 W	720	360	1300	150
B 572	Anchorage unit for B 1532					



Glarefree light

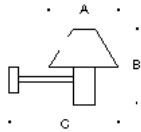
Wall luminaires and garden luminaires made of copper and hand-blown three-ply opal glass.
These small luminaires are designed for house entrances and private gardens.
Shielded luminaires which direct their light downwards.
Luminaires which distribute soft light without glare, creating a pleasant atmosphere.



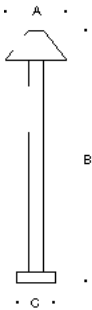
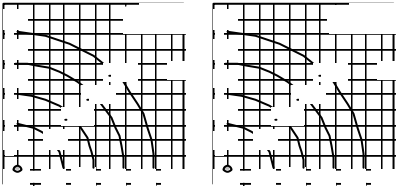
Wall luminaires for

- incandescent lamps D 45 40 W
- fluorescent lamps TC-D 10 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 80 mm



Wall luminaires	Lumen			A	B	C
B 1253	1 D 45	40 W	400	220	235	290
B 1254	1 TC-D	10 W	600	220	235	290



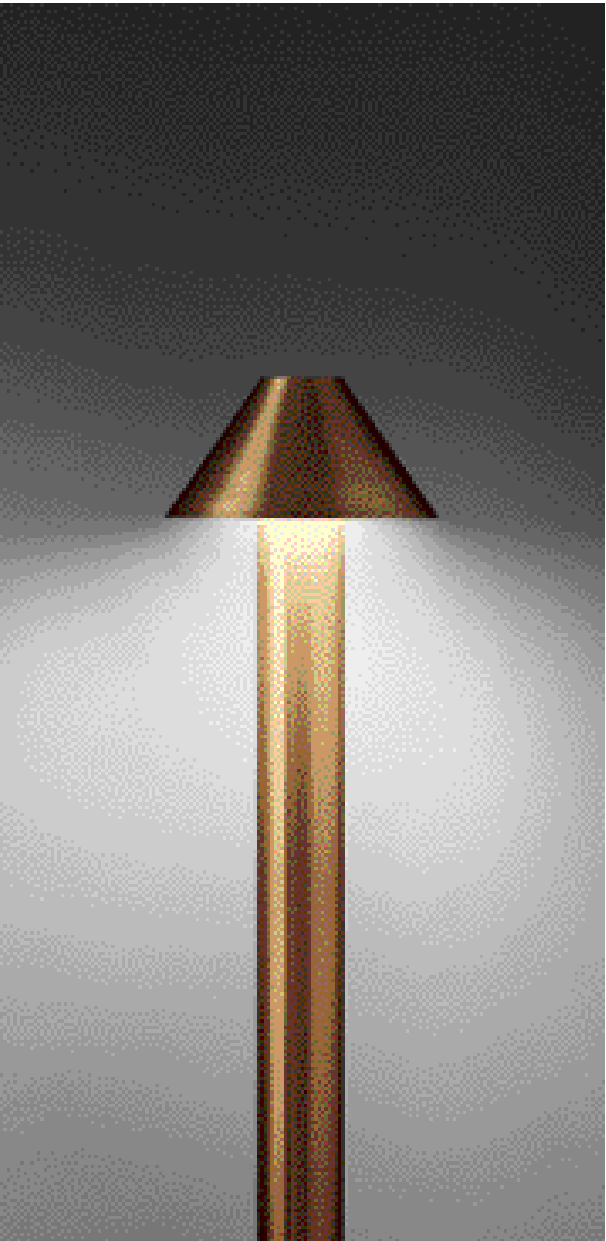
Garden luminaires for

- incandescent lamps D 45 40 W
- fluorescent lamps TC-D 10 W

Protection class IP 44
Copper · Three-ply opal glass
Base plate made of die cast bronze

With mounting plate for bolting
to a foundation or anchorage unit.
Description, page 89.

Garden luminaires	Lumen			A	B	C
B 1533	1 D 45	40 W	400	220	950	130
B 1534	1 TC-D	10 W	600	220	950	130
B 570	Anchorage unit for B 1533 · B 1534					



The cone · Copper + crystal bubble glass

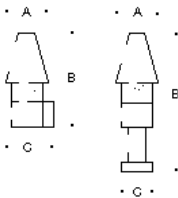
Wall luminaires, pillar luminaires, garden luminaires and pole-top luminaires.
Luminaires made of copper and hand-blown crystal bubble glass.
The beauty of combining copper and crystal bubble glass is again accentuated to perfection by these luminaires.
Copper – a material which can discreetly bring many shapes into harmony in architecture.
A precious material which becomes more beautiful with age.
And glass – a material of unlimited durability.



Wall + pillar luminaires
in two sizes for

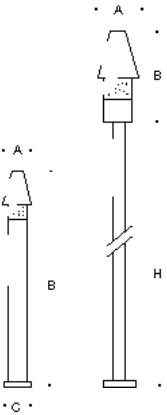
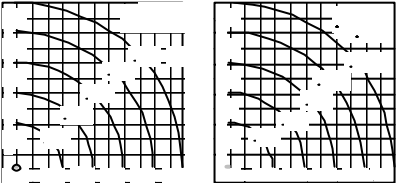
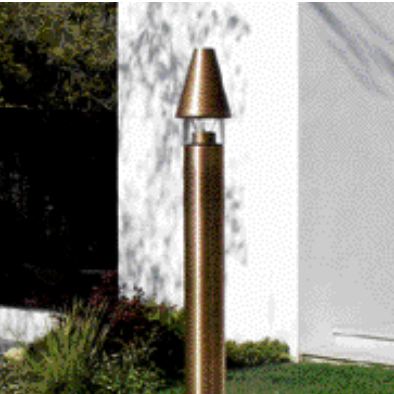
- incandescent lamps A 60 · 60 · 75 W

Protection class IP 44
Copper · Crystal bubble glass
Wall mounting plate 90 · 110 mm
Pillar luminaire with base plate
made of die cast bronze



Wall luminaires	Lumen			A	B	C
B 1258	1 A 60	60 W	720	125	300	145
B 1259	1 A 60	75 W	940	180	420	195

Pillar luminaires	Lumen			A	B	C
B 1511	1 A 60	60 W	720	125	440	130
B 1512	1 A 60	75 W	940	180	590	150



Garden luminaire for

- incandescent lamps A 60 · 60 W

Protection class IP 44
Copper · Crystal bubble glass
Base plate made of die cast bronze

With mounting plate for bolting
to a foundation or anchorage unit.
Description, page 89.

Garden luminaire	Lumen			A	B	C
B 1520	1 A 60	60 W	720	125	1000	150
B 572	Anchorage unit for B 1520					

Pole-top luminaire for

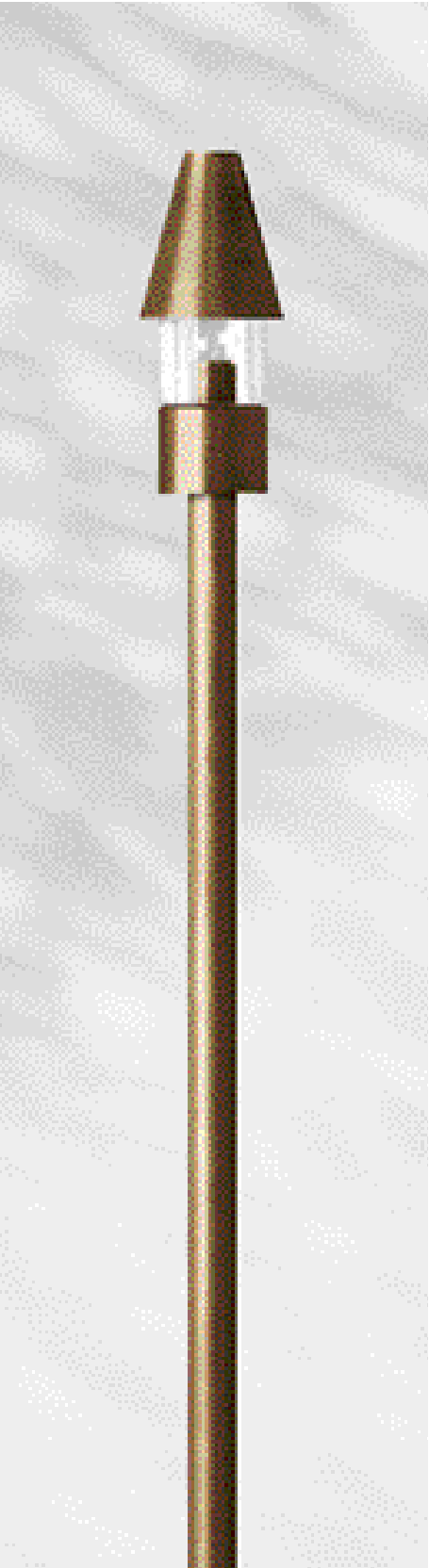
- incandescent lamps A 60 · 75 W

Protection class IP 44
Copper · Crystal bubble glass

Matching pole made of copper with
base plate made of die cast bronze for
bolting to a foundation or anchorage unit.
Description, pages 89–91.

Pole-top luminaire	Lumen			A	B
B 1714	1 A 60	75 W	940	180	420

Pole		
B 552	Pole for B 1714	H = 1700 mm
B 573	Anchorage unit for pole B 552	

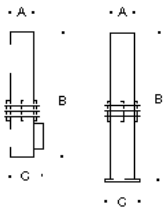


The cylinder · Copper + three-ply opal glass

Wall luminaires, pillar luminaires and garden luminaires in diverse sizes providing energy-saving light.
Their shape and construction are determined by the dimensions of the elongated fluorescent lamps.
These luminaires are distinctive for the fine harmony of precious copper and hand-blown cylindrical three-ply opal glass.

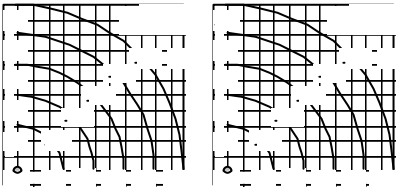


Wall + pillar luminaires
in two sizes for
• fluorescent lamps TC-S 11 W
• fluorescent lamps TC-L 36 W
Protection class IP 44
B 1513 · B 1514 Protection class IP 65
Copper and stainless steel
Three-ply opal glass
Wall mounting plate 90 · 110 mm



Wall luminaires		Lumen	A	B	C
B 1260	1 TC-S 11 W	900	120	410	135
B 1261	1 TC-L 36 W	2900	160	645	170

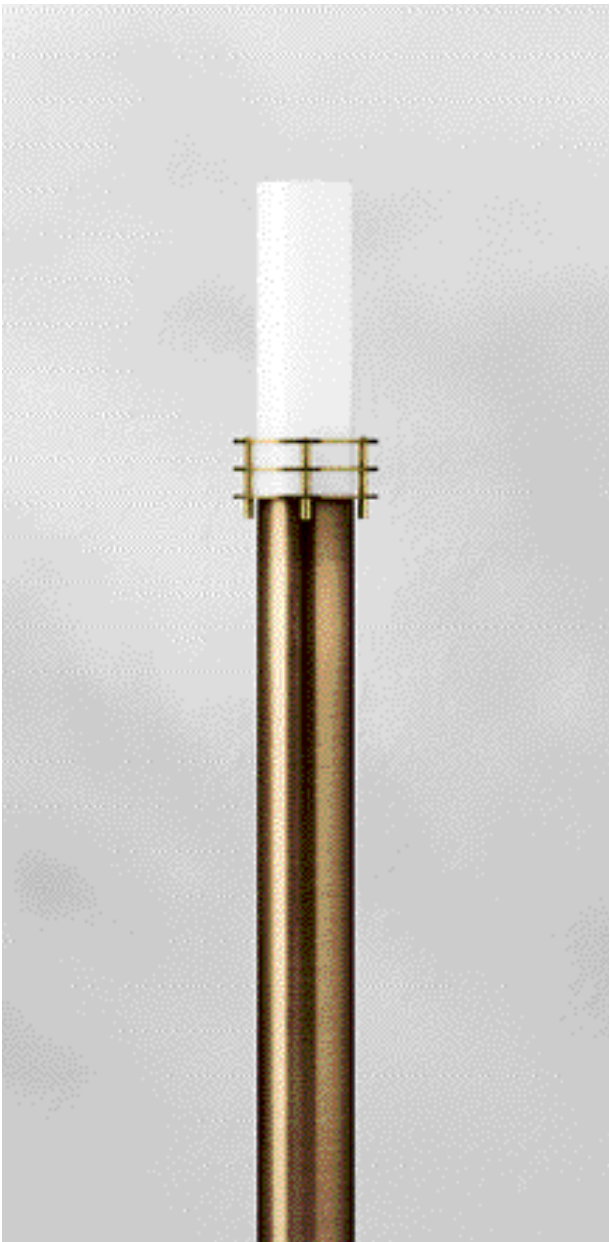
Pillar luminaires		Lumen	A	B	C
B 1513	1 TC-S 11 W	900	120	470	135
B 1514	1 TC-L 36 W	2900	160	705	180



Garden luminaires in two sizes for
• fluorescent lamps TC-S 11 W
• fluorescent lamps TC-D 26 W
Protection class IP 44
Copper · Three-ply opal glass
Base plate made of die cast bronze

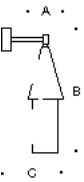
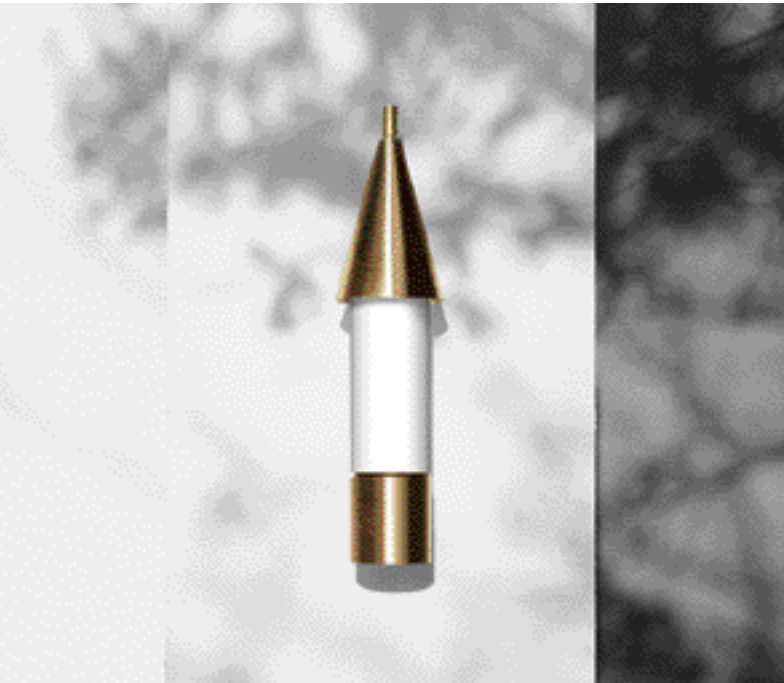
With mounting plate for bolting
to a foundation or anchorage unit.
Description, page 89.

Garden luminaires		Lumen	A	B	C
B 1526	1 TC-S 11 W	900	120	1000	150
B 1527	1 TC-D 26 W	1800	160	1200	200
B 572	Anchorage unit for B 1526 · B 1527				



The cylinder · Copper + three-ply opal glass

A series of luminaires whose shape is essentially determined by the dimensions of the energy-saving fluorescent lamps.
A pure combination of copper and hand-blown three-ply opal glass.
Simple in construction and function, these luminaires are impressive for their soft bright light effect.
Luminaires of classical shape and discreet elegance, they harmonize well with their surroundings – natural, innovative and durable.



Wall luminaires in two sizes for

- incandescent lamps D 45 40 W
- incandescent lamps A 60 60 W

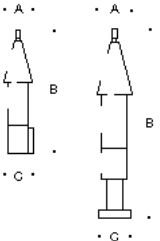
Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 90 · 110 mm

Wall luminaires			Lumen		A	B	C
B 1251	1 D 45	40 W	400		95	305	210
B 1252	1 A 60	60 W	720		125	410	280

Wall + pillar luminaires
in diverse sizes for

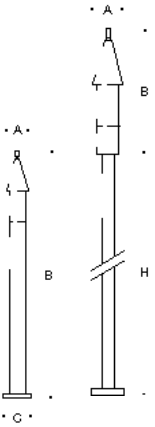
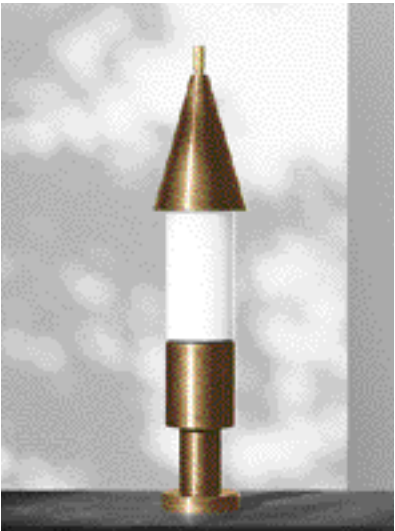
- incandescent lamps D 45 40 W
- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-L 24 W

Protection class IP 44
Copper · Three-ply opal glass
Wall mounting plate 80 · 90 · 110 mm
Pillar luminaire with base plate
made of die cast bronze



Wall luminaires			Lumen		A	B	C
B 1255	1 D 45	40 W	400		95	375	100
B 1256	1 TC-S	11 W	900		125	530	145
B 1257	1 TC-L	24 W	1800		180	750	195

Pillar luminaires							
B 1509	1 TC-S	11 W	900	125	680	130	
B 1510	1 TC-L	24 W	1800	180	920	150	



Garden luminaire for

- fluorescent lamps TC-S 11 W

Protection class IP 44
Copper · Three-ply opal glass
Base plate made of die cast bronze

With mounting plate for bolting
to a foundation or anchorage unit.
Description, page 89.

Garden luminaire			Lumen		A	B	C
B 1524	1 TC-S	11 W	900		125	1200	150
B 572	Anchorage unit for B 1524						

Pole-top luminaires in two sizes for

- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-L 24 W

Protection class IP 44
Copper · Three-ply opal glass

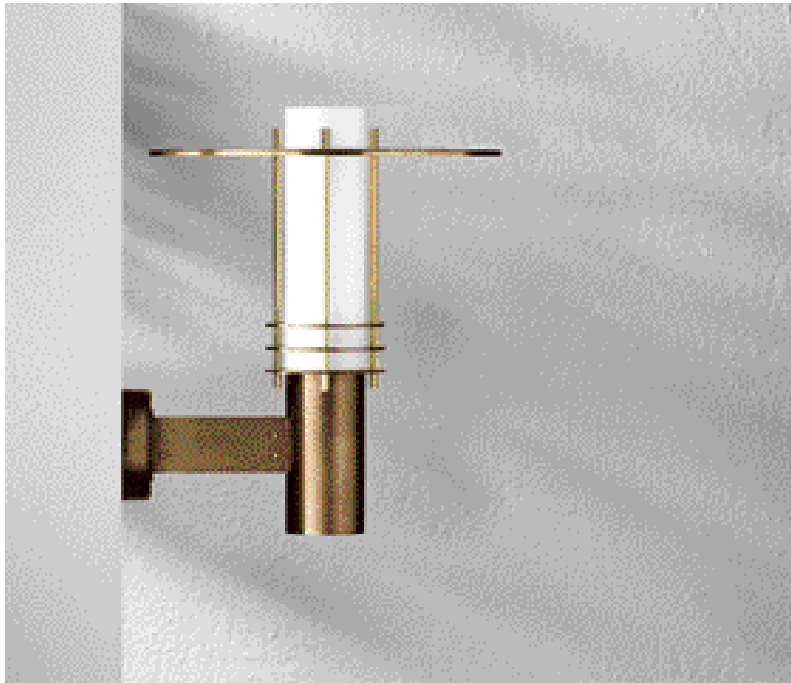
Matching poles made of copper with
base plate made of die cast bronze for
bolting to a foundation or anchorage unit.
Description, pages 89–91.

Pole-top luminaires			Lumen		A	B
B 1711	1 TC-S	11 W	900		125	530
B 1712	1 TC-L	24 W	1800		180	750

Poles						
B 552	Pole for B 1711		H = 1700 mm			
B 553	Pole for B 1712		H = 2000 mm			
B 573	Anchorage unit for poles B 552 · B 553					

The cylinder · Copper + three-ply opal glass

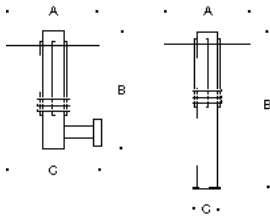
Wall luminaires, pillar luminaires and pole-top luminaires providing energy-saving light. Their shape and construction are determined by the dimensions of the elongated fluorescent lamps.
Luminaires in beautiful harmony made of precious copper and hand-blown cylindrical three-ply opal glass.



Wall + pillar luminaires
in two sizes for

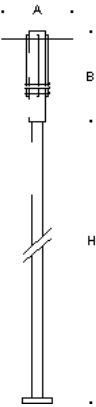
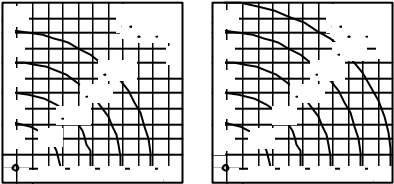
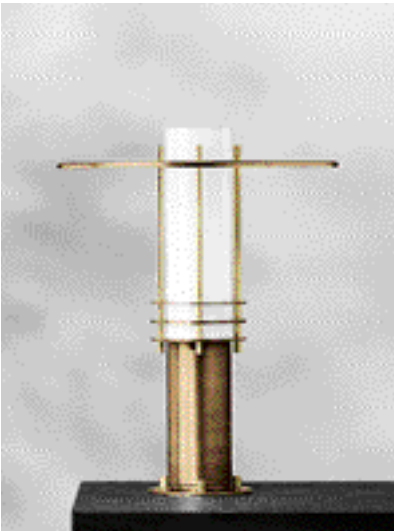
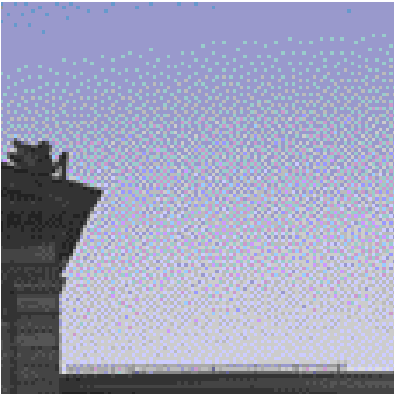
- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-L 36 W

Protection class IP 44
B 1518 · B 1519 Protection class IP 65
Copper · Three-ply opal glass
Wall mounting plate 110 · 150 mm



Wall luminaires		Lumen		A	B	C
B 1648	1 TC-S 11 W	900	350	410	385	
B 1649	1 TC-L 36 W	2900	450	645	510	

Pillar luminaires		Lumen		A	B	C
B 1518	1 TC-S 11 W	900	350	470	135	
B 1519	1 TC-L 36 W	2900	450	705	180	



Pole-top luminaires in two sizes for

- fluorescent lamps TC-S 11 W
- fluorescent lamps TC-L 36 W

Protection class IP 44
Copper · Three-ply opal glass

Matching poles made of copper with base plate made of die cast bronze for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Pole-top luminaires		Lumen		A	B
B 1715	1 TC-S 11 W	900	350	410	
B 1716	1 TC-L 36 W	2900	450	645	

Poles		
B 550	Pole for B 1715	H = 2000 mm
B 551	Pole for B 1716	H = 2400 mm
B 573	Anchorage unit for poles B 550 · B 551	



Wall luminaires, pillar luminaires and pole-top luminaires in diverse sizes and light outputs. These luminaires are designed for incandescent lamps and fluorescent lamps.
If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps.
The pole-top luminaires are available in three sizes for pole heights of 1600–3000 mm.
Luminaires B 1928 and B 1955 can also be supplied on request in plastic instead of glass.

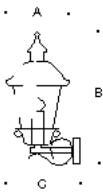


Wall luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23
Aluminium, die cast aluminium
Top made of copper
Crystal glass or three-ply opal glass
Wall mounting plate 110 · 130 mm
Colour graphite

Crystal glass		Lumen		A	B	C
B 1369	1 A 60	100 W	1360	275	570	320
B 1367	1 A 65	150 W	2200	360	840	520
Three-ply opal glass						
B 1352	1 TC-TEL	26 W	1800	360	840	520
B 1352	1 TC-TEL	32 W	2400	360	840	520
B 1352	1 TC-TEL	42 W	3200	360	840	520

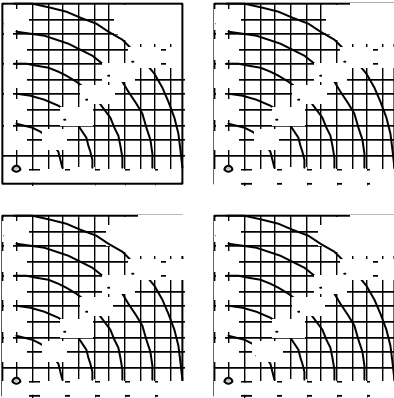


Pillar luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23 · Aluminium, die cast aluminium · Top made of copper
Crystal glass or three-ply opal glass
Colour graphite

Crystal glass		Lumen		A	B	C
B 1657	1 A 60	100 W	1360	275	670	130
B 1650	1 A 65	150 W	2200	360	1000	150
Three-ply opal glass						
B 1640	1 TC-TEL	26 W	1800	360	1000	150
B 1640	1 TC-TEL	32 W	2400	360	1000	150
B 1640	1 TC-TEL	42 W	3200	360	1000	150



Pole-top luminaires in three sizes for

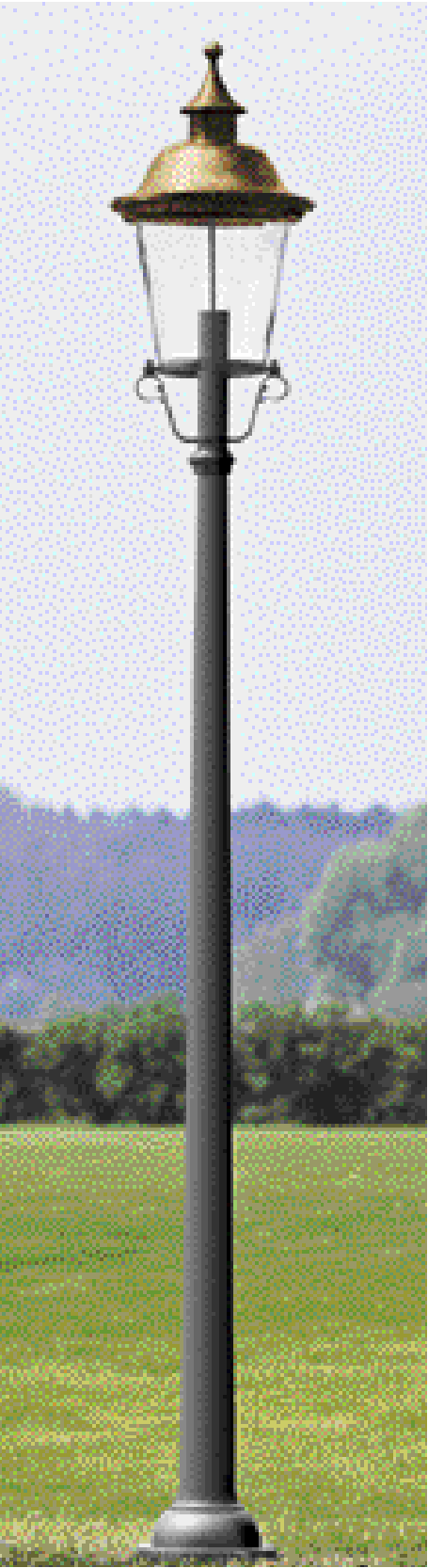
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23
B 1928 · B 1955 Protection class IP 65
Aluminium, die cast aluminium
Top made of copper
Crystal glass or three-ply opal glass
Colour graphite

Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Crystal glass		Lumen		A	B
B 1881	1 A 60	100 W	1360	275	500
B 1862	1 A 65	150 W	2200	360	750
B 1928	1 A 65	150 W	2200	510	1150
Three-ply opal glass					
B 1948	1 TC-TEL	26 W	1800	360	750
B 1948	1 TC-TEL	32 W	2400	360	750
B 1948	1 TC-TEL	42 W	3200	360	750
B 1955	2 TC-TEL	26 W	3600	510	1150
B 1955	2 TC-TEL	32 W	4800	510	1150
B 1955	2 TC-TEL	42 W	6400	510	1150

Poles		
B 534	Pole for B 1881	H = 1600 mm
B 535	Pole for B 1862 · B 1948	H = 2000 mm
B 536	Pole for B 1928 · B 1955	H = 3000 mm
B 572	Anchorage unit for poles B 534 · B 535	
B 574	Anchorage unit for pole B 536	



A group of wall luminaires, pillar luminaires and pole-top luminaires in diverse sizes and light outputs, designed for incandescent lamps and fluorescent lamps. If required, the luminaires for fluroescent lamps can also be equipped for discharge lamps.
Pole-top luminaires for pole heights of 2000–3500 mm.

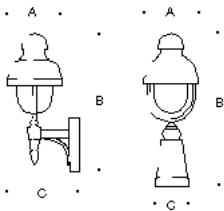
We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.



Wall + pillar luminaires in two sizes for

- incandescent lamps A 60 · 75 W
- fluorescent lamps TC-D · 26 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Three-ply opal glass
Wall mounting plate 110 · 130 mm

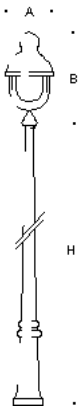
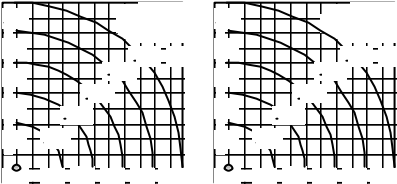


Colour graphite or white. White denoted by **W** after the article number.

Wall luminaires		Lumen		A	B	C
B 1433	1 A 60	75 W	940	215	520	280
B 1221	2 TC-D	26 W	3600	290	750	400
Pillar luminaires						
B 1554	1 A 60	75 W	940	215	580	130
B 1517	2 TC-D	26 W	3600	290	770	150



We supply ladder supports as accessories for the luminaires and poles on this page. Technical data, page 88.



Pole-top luminaires in two sizes for

- fluorescent lamps TC-D · 26 W
- fluorescent lamps TC-TEL · 26 · 32 · 42 W – electronic ballast

Protection class IP 44
Aluminium, die cast aluminium and stainless steel · Three-ply opal glass

Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

Pole-top luminaires			Lumen	A	B
B 1724	2 TC-D	26 W	3600	290	560
B 1725	2 TC-TEL	26 W	3600	445	870
B 1725	2 TC-TEL	32 W	4800	445	870
B 1725	2 TC-TEL	42 W	6400	445	870
Poles					
B 547	Pole for B 1724			H = 2000 mm	
B 525	Pole for B 1725			H = 3000 mm	
B 526	Pole for B 1725			H = 3500 mm	
B 572	Anchorage unit for pole B 547				
B 574	Anchorage unit for poles B 525 · B 526				



Wall luminaires in diverse sizes and light outputs.
Luminaires designed for incandescent lamps and fluorescent lamps. They have the same design features as the luminaires on pages 64–67.
We supply the luminaires on this double page in the colours graphite and white.
To special order, we also supply any other RAL colour.



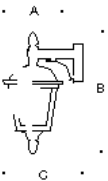
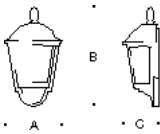
Wall luminaire for

- incandescent lamps A 60 60 W

Protection class IP 44
Die cast aluminium and stainless steel
Antique glass
Wall mounting plate 110 mm

Colour graphite or white. White denoted by **W** after the article number.

Wall luminaire	Lumen	A	B	C
B 1430	1 A 60 60 W	720	215	375 140



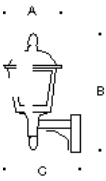
Wall luminaires in three sizes for

- incandescent lamps A 60 60 · 100 W
- incandescent lamps A 65 150 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass
Wall mounting plate 110 · 130 mm

Colour graphite or white. White denoted by **W** after the article number.

Wall luminaires	Lumen	A	B	C
B 1427	1 A 60 60 W	720	170	360 230
B 1429	1 A 60 100 W	1360	215	515 275
B 1444	1 A 65 150 W	2200	260	720 385



Wall luminaires in three sizes for

- incandescent lamps A 60 60 · 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 26 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass
Wall mounting plate 110 · 130 mm

Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1426	1 A 60 60 W	720	170	360 230
B 1428	1 A 60 100 W	1360	215	515 275
B 1442	1 A 65 150 W	2200	260	720 385

Three-ply opal glass	Lumen	A	B	C
B 1457	1 TC-D 13 W	900	215	515 275
B 1459	1 TC-T 26 W	1800	260	720 385



Pillar luminaires and pole-top luminaires in diverse sizes and light outputs. These luminaires are designed for incandescent lamps and fluorescent lamps. They have the same design features as the luminaires on pages 62–63 and 66–67. We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.



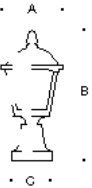
- Pillar luminaires** in two sizes for
- incandescent lamps A 60 100 W
 - incandescent lamps A 65 150 W
 - fluorescent lamps TC-D 13 W
 - fluorescent lamps TC-T 26 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass

Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1552	1 A 60 100 W	1360	215	725 150
B 1573	1 A 65 150 W	2200	260	970 170

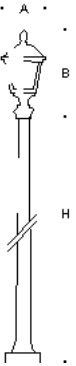
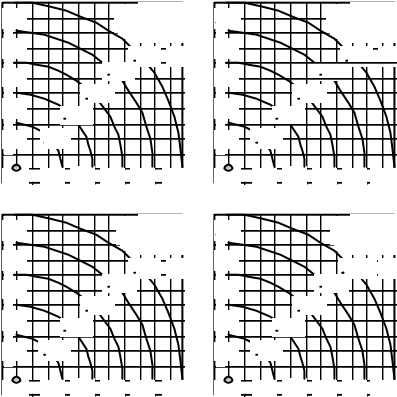
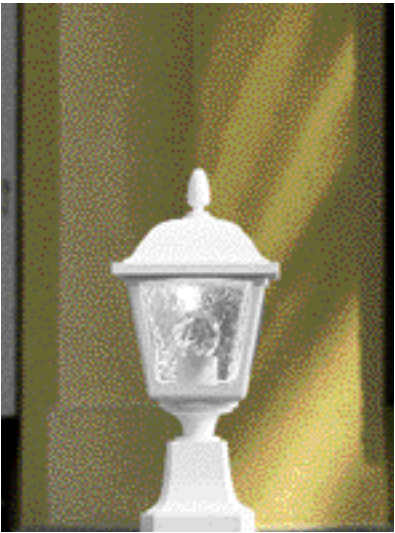
Three-ply opal glass				
B 1540	1 TC-D 13 W	900	215	725 150
B 1541	1 TC-T 26 W	1800	260	970 170



- Pillar luminaires** in three sizes for
- incand. lamps A 60 60 · 100 W
 - incand. lamps A 65 150 W
 - fluorescent lamps TC-D 13 W
 - fluorescent lamps TC-T 26 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass or opal glass
Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1550	1 A 60 60 W	720	170	360 110
B 1551	1 A 60 100 W	1360	215	490 150
B 1571	1 A 65 150 W	2200	260	630 170
Three-ply opal glass				
B 1538	1 TC-D 13 W	900	215	490 150
B 1539	1 TC-T 26 W	1800	260	630 170



- Pole-top luminaires** in two sizes for
- incandescent lamps A 60 100 W
 - incandescent lamps A 65 150 W
 - fluorescent lamps TC-D 13 W
 - fluorescent lamps TC-T 26 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass

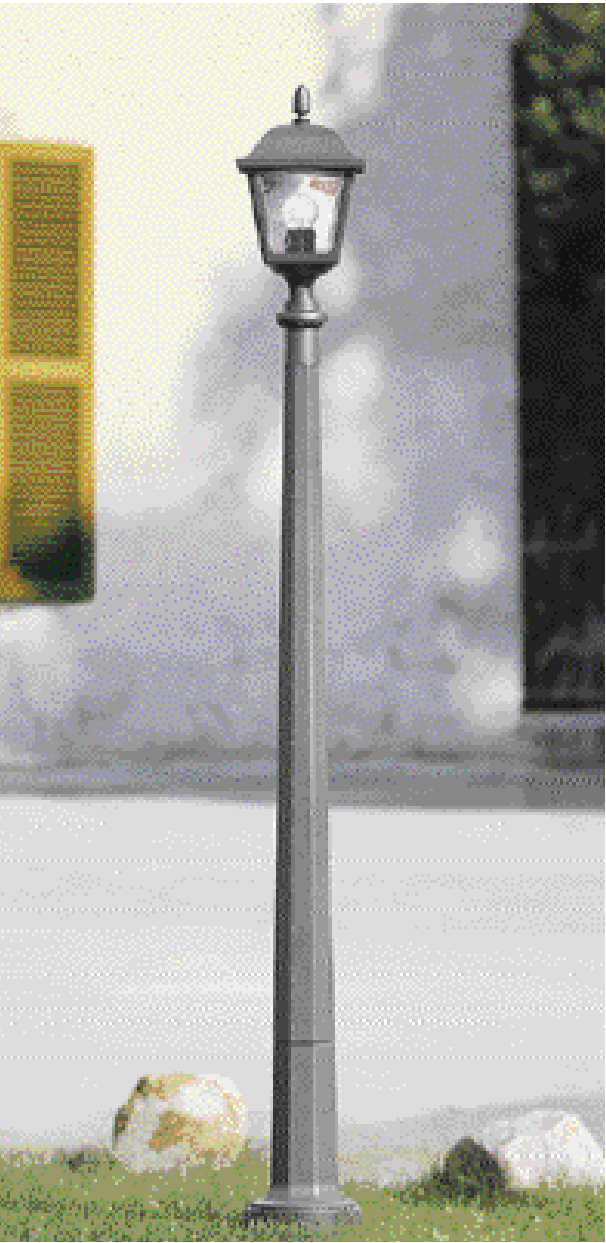
Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

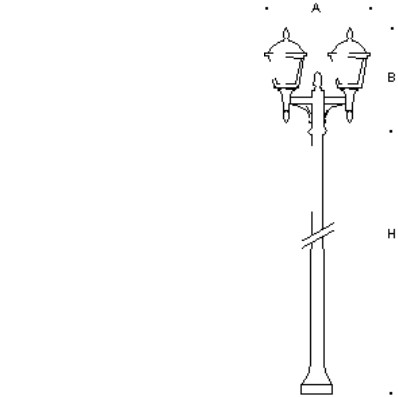
Crystal bubble glass	Lumen	A	B
B 1750	1 A 60 100 W	1360	215 410
B 1754	1 A 65 150 W	2200	260 530

Three-ply opal glass			
B 1726	1 TC-D 13 W	900	215 410
B 1727	1 TC-T 26 W	1800	260 530

Poles		
B 538	Pole for B 1750 · B 1726	H = 1600 mm
B 539	Pole for B 1754 · B 1727	H = 2000 mm
B 572	Anchorage unit for poles B 538 · B 539	



Pole-top luminaires ready for installation in single or double configuration for pole heights of 2000–3000 mm. They are designed for incandescent lamps and fluorescent lamps with electronic ballasts. The luminaires for fluorescent lamps are equipped with three-ply opal glass to provide uniform light distribution. If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps.

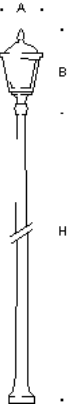
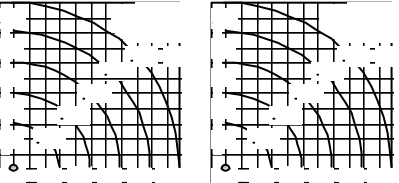


Pole-top luminaires in double configuration in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 64
B 1787 · B 1788 Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass
Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.
Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass			Lumen	A	B
B 1787	2 A 60	100 W	2720	550	560
B 1793	2 A 65	150 W	4400	1100	1150
Three-ply opal glass					
B 1788	2 TC-D	13 W	1800	550	560
B 1851	2 TC-TEL	26 W	3600	1100	1150
B 1851	2 TC-TEL	32 W	4800	1100	1150
B 1851	2 TC-TEL	42 W	6400	1100	1150
Poles					
B 539	Pole for B 1787 · B 1788		H = 2000mm		
B 541	Pole for B 1793 · B 1851		H = 3000mm		
B 572	Anchorage unit for pole B 539				
B 574	Anchorage unit for pole B 541				



Pole-top luminaires for

- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 64
Die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass
Matching pole with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.
Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass			Lumen	A	B
B 1791	1 A 65	150 W	2200	400	720
Three-ply opal glass					
B 1850	2 TC-TEL	26 W	3600	400	720
B 1850	2 TC-TEL	32 W	4800	400	720
B 1850	2 TC-TEL	42 W	6400	400	720
Pole					
B 541	Pole for B 1791 · B 1850				
B 574	Anchorage unit for pole B 541				



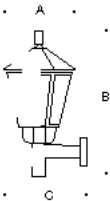
Wall luminaires, pillar luminaires and pole-top luminaires in two sizes.
These luminaires are designed for incandescent lamps and fluorescent lamps.
Luminaires with octagonal cross-section and antique glass providing brilliant light or three-ply opal glass providing soft uniform light distribution.
If required, the luminaires can also be equipped for discharge lamps.
Pole-top luminaires for pole heights of 2000–3500 mm.
The wall luminaires can be mounted on house corners with a corner block.
For a description of the corner block, see page 88.



Wall luminaires in two sizes for

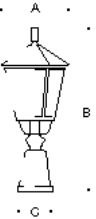
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Wall mounting plate 110 · 130 mm
Colour graphite



Antique glass		Lumen		A	B	C
B 1431	1 A 60	100 W	1360	210	390	260
B 1381	1 A 65	150 W	2200	340	720	400

Three-ply opal glass		Lumen		A	B	C
B 1351	1 TC-TEL	26 W	1800	340	720	400
B 1351	1 TC-TEL	32 W	2400	340	720	400
B 1351	1 TC-TEL	42 W	3200	340	720	400



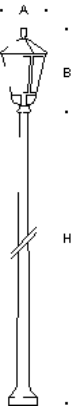
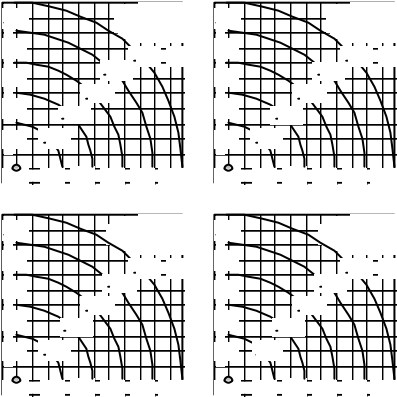
Pillar luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

Antique glass		Lumen		A	B	C
B 1553	1 A 60	100 W	1360	210	510	130
B 1662	1 A 65	150 W	2200	340	850	180

Three-ply opal glass		Lumen		A	B	C
B 1653	1 TC-TEL	26 W	1800	340	850	180
B 1653	1 TC-TEL	32 W	2400	340	850	180
B 1653	1 TC-TEL	42 W	3200	340	850	180



Pole-top luminaires in two sizes

- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

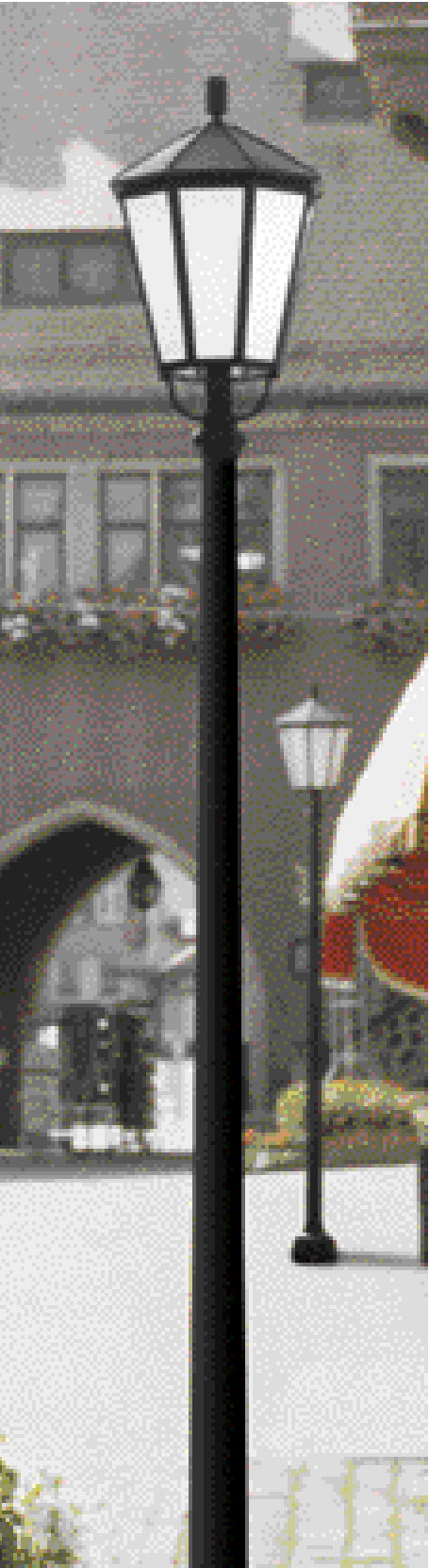
Protection class IP 23 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Antique glass		Lumen		A	B
B 1879	1 A 65	150 W	2200	340	600
B 1947	1 A 65	150 W	2200	470	860

Three-ply opal glass		Lumen		A	B
B 1852	1 TC-TEL	26 W	1800	340	600
B 1852	1 TC-TEL	32 W	2400	340	600
B 1852	1 TC-TEL	42 W	3200	340	600
B 1853	2 TC-TEL	26 W	3600	470	860
B 1853	2 TC-TEL	32 W	4800	470	860
B 1853	2 TC-TEL	42 W	6400	470	860

Poles		H	
B 535	Pole for B 1879 · B 1852	H = 2000 mm	
B 536	Pole for B 1947 · B 1853	H = 3000 mm	
B 537	Pole for B 1947 · B 1853	H = 3500 mm	
B 572	Anchorage unit for pole B 535		
B 574	Anchorage unit for poles B 536 · B 537		



Luminaires for incandescent lamps and fluorescent lamps. They have the same design features as the luminaires on pages 72–73. We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.



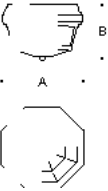
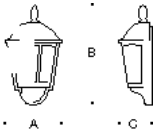
Wall luminaire for

- incandescent lamps A 60 60 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Antique glass
Wall mounting plate 110 mm

Colour graphite or white. White denoted by **W** after the article number.

Wall luminaire	Lumen	A	B	C
B 1435	1 A 60 60 W 720	215	375	130



Ceiling luminaires in two sizes for

- incandescent lamps A 60 60 · 100 W

Protection class IP 44
Die cast aluminium and stainless steel
Crystal bubble glass

Colour graphite or white. White denoted by **W** after the article number.

Ceiling luminaires	Lumen	A	B
B 1122	1 A 60 60 W 720	220	150
B 1124	1 A 60 100 W 1360	280	170



Wall luminaires for

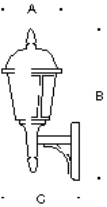
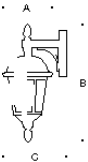
- incandescent lamps A 60 100 W
- fluorescent lamps TC-D 13 W

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Crystal bubble glass or opal glass
Wall mounting plate 110 mm

Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1434	1 A 60 100 W 1360	210	510	270

Three-ply opal glass	Lumen	A	B	C
B 1499	1 TC-D 13 W 900	210	540	270



Wall luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 26 W

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass
Wall mounting plate 110 · 130 mm

Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1415	1 A 60 100 W 1360	210	540	270
B 1409	1 A 65 150 W 2200	280	770	390

Three-ply opal glass	Lumen	A	B	C
B 1482	1 TC-D 13 W 900	210	540	270
B 1483	1 TC-T 26 W 1800	280	770	390



A group of luminaires with octagonal cross-section in diverse sizes. Luminaires designed for incandescent lamps and fluorescent lamps. If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps. These pole-top luminaires are designed for pole heights of 1400–3500 mm.

We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.



Pillar luminaires in two sizes for

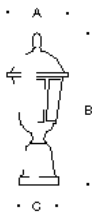
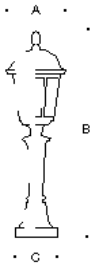
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 26 W

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Crystal bubble glass or three-ply opal glass
B 1564 Antique glass
B 1547 Three-ply opal glass

Colour graphite or white. White denoted by **W** after the article number.

Crystal bubble glass	Lumen	A	B	C
B 1559	1 A 60 100 W	1360	210	745 150
B 1564	1 A 65 150 W	2200	280	1010 175

Three-ply opal glass	Lumen	A	B	C
B 1546	1 TC-D 13 W	900	210	745 150
B 1547	1 TC-T 26 W	1800	280	1010 175



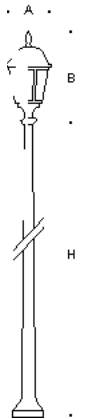
Pillar luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 26 W

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Antique glass or three-ply opal glass
B 1689 Antique glass
B 1544 Three-ply opal glass
Colour graphite or white. White denoted by **W** after the article number.

Antique glass	Lumen	A	B	C
B 1693	1 A 60 100 W	1360	210	540 130
B 1689	1 A 65 150 W	2200	280	770 170

Three-ply opal glass	Lumen	A	B	C
B 1543	1 TC-D 13 W	900	210	540 130
B 1544	1 TC-T 26 W	1800	280	770 170



Pole-top luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 W
- fluorescent lamps TC-T 26 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
B 1755 Crystal bubble glass
B 1848 Three-ply opal glass

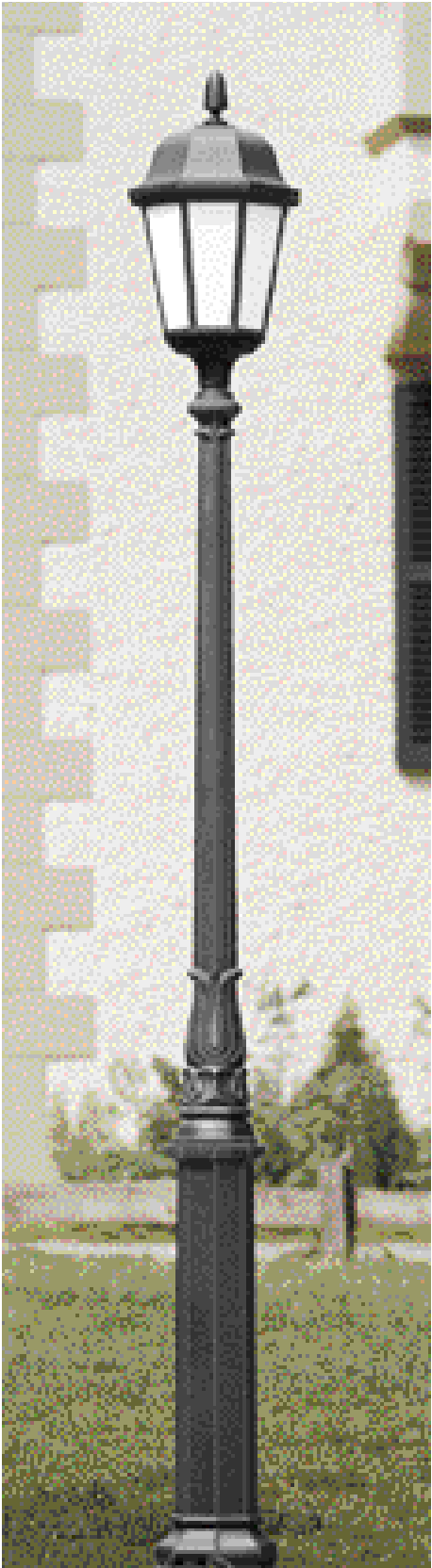
Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

Antique glass	Lumen	A	B
B 1755	1 A 60 100 W	1360	210 440
B 1971	1 A 65 150 W	2200	280 590
B 1990	1 A 65 150 W	2200	430 880

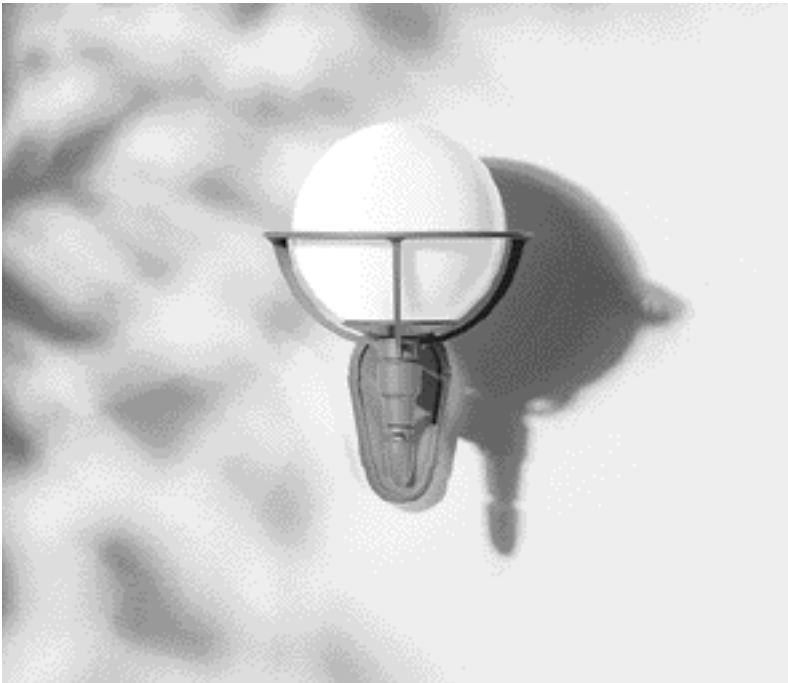
Three-ply opal glass	Lumen	A	B
B 1848	1 TC-D 13 W	900	210 440
B 1849	1 TC-T 26 W	1800	280 590
B 1854	2 TC-TEL 26 W	3600	430 880
B 1854	2 TC-TEL 32 W	4800	430 880
B 1854	2 TC-TEL 42 W	6400	430 880

Poles	
B 545	Pole for B 1755 · B 1848 H = 1400 mm
B 549	Pole for B 1971 · B 1849 H = 2000 mm
B 522	Pole for B 1990 · B 1854 H = 3500 mm
B 572	Anchorage unit for poles B 545 · B 549
B 574	Anchorage unit for pole B 522



The sphere – classic of light.
Wall luminaires, pillar luminaires and pole-top luminaires – in the timeless and classic shape of the sphere.
Hand-blown three-ply opal glass provides soft and pleasant light distribution from the lamps. Cast fixtures made of aluminium hold the high-quality glass and perfect the sphere as a timeless classic.

We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.



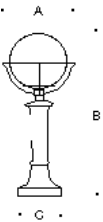
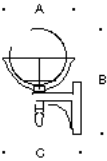
Wall luminaires in two sizes for

- incandescent lamps A 60 75 · 100 W
- fluorescent lamps TC-D 18 W

Protection class IP 44
Die cast aluminium and stainless steel
Three-ply opal glass
Wall mounting plate 110 · 130 mm

Colour graphite or white. White denoted by **W** after the article number.

Wall luminaires			Lumen		A	B	C
B 1464	1	A 60	75 W	940	280	420	310
B 1465	1	A 60	100 W	1360	370	570	440
B 1466	1	TC-D	18 W	1200	370	570	440



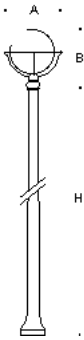
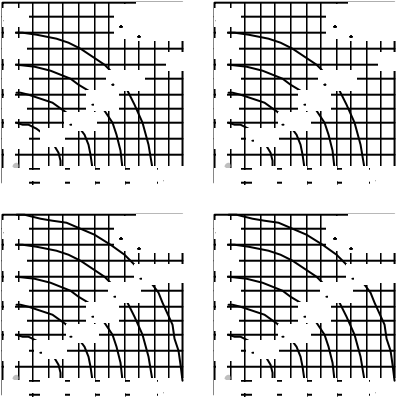
Pillar luminaires in two sizes for

- incandescent lamps A 60 75 · 100 W
- fluorescent lamps TC-D 18 W

Protection class IP 44
Die cast aluminium and stainless steel
Three-ply opal glass

Colour graphite or white. White denoted by **W** after the article number.

Pillar luminaires			Lumen		A	B	C
B 1521	1	A 60	75 W	940	280	630	155
B 1523	1	A 60	100 W	1360	370	690	155
B 1525	1	TC-D	18 W	1200	370	690	155



Pole-top luminaires for

- incandescent lamps A 60 100 W
- fluorescent lamps TC-D 18 W

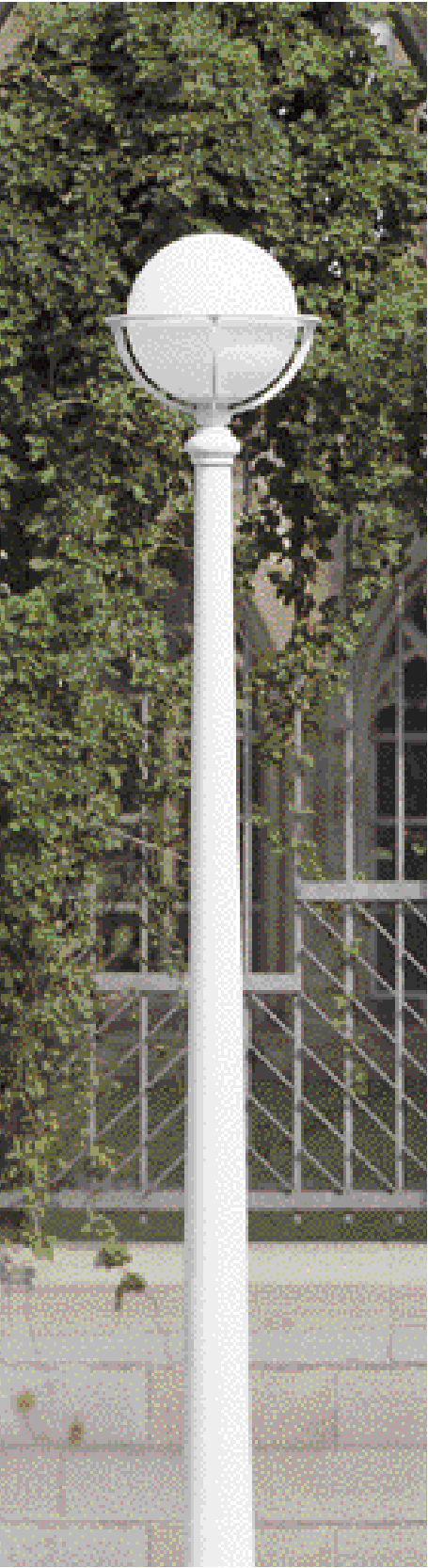
Protection class IP 44
Die cast aluminium and stainless steel
Three-ply opal glass

Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

Pole-top luminaires			Lumen		A	B
B 1709	1	A 60	100 W	1360	370	405
B 1710	1	TC-D	18 W	1200	370	405

Poles		
B 534	Pole for B 1709 · B 1710	H = 1600 mm
B 535	Pole for B 1709 · B 1710	H = 2000 mm
B 572	Anchorage unit for poles B 534 · B 535	



The sphere – classic of light.
Wall luminaires, pillar luminaires and pole-top luminaires – in the timeless and classic form of the sphere.
Luminaires in diverse sizes for incandescent lamps and fluorescent lamps.
Hand-blown three-ply opal glass distributes the light with a high level of uniformity.
Cast fixtures made of aluminium hold the high-quality glass and perfect the sphere as a timeless classic.

We supply the luminaires on this double page in the colours graphite and white.
To special order, we also supply any other RAL colour.



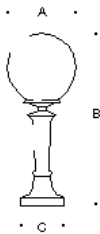
Wall luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 · 26 W
- fluorescent lamps TC-TEL 26 · 32 W – electronic ballast

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Three-ply opal glass
Wall mounting plate 110 · 150 · 205 mm

Colour graphite or white. White denoted by **W** after the article number.

Wall luminaires			Lumen	A	B	C
B 1438	1 A 60	100 W	1360	250	390	330
B 1439	1 A 65	150 W	2200	350	545	485
B 1449	1 A 65	150 W	2200	450	700	620
B 1446	1 TC-D	13 W	900	250	390	330
B 1493	1 TC-D	26 W	1800	350	545	485
B 1494	2 TC-TEL	26 W	3600	450	700	620
B 1494	2 TC-TEL	32 W	4800	450	700	620

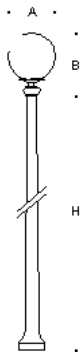
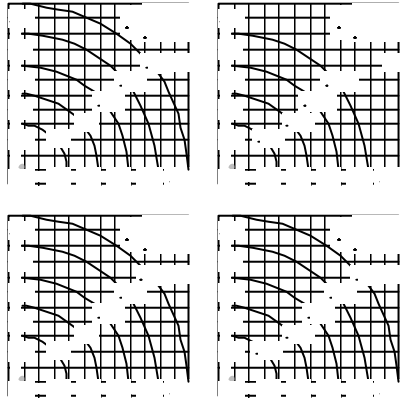
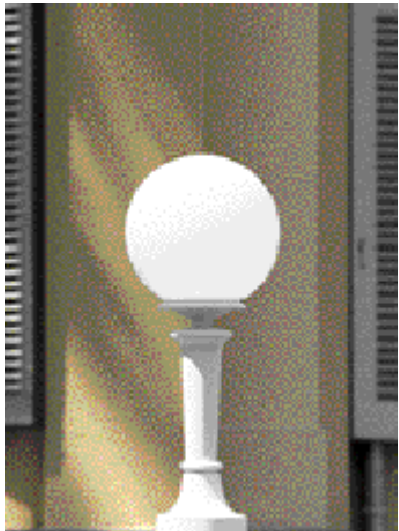


Pillar luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 · 26 W
- fluorescent lamps TC-TEL 26 · 32 W – electronic ballast

Protection class IP 44 · Aluminium, die cast aluminium and stainless steel
Three-ply opal glass
Colour graphite or white. White denoted by **W** after the article number.

Pillar luminaires			Lumen	A	B	C
B 1562	1 A 60	100 W	1360	250	630	155
B 1563	1 A 65	150 W	2200	350	870	205
B 1577	1 A 65	150 W	2200	450	970	240
B 1575	1 TC-D	13 W	900	250	630	155
B 1528	1 TC-D	26 W	1800	350	870	205
B 1529	2 TC-TEL	26 W	3600	450	970	240
B 1529	2 TC-TEL	32 W	4800	450	970	240



Pole-top luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 13 · 26 W

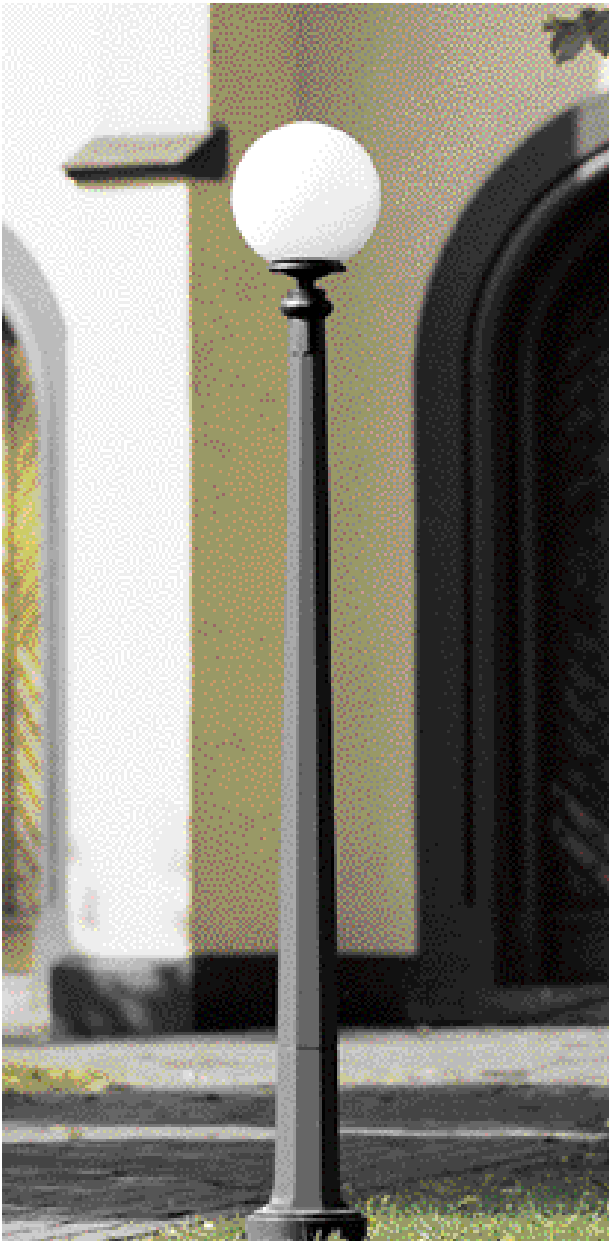
Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Three-ply opal glass

Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

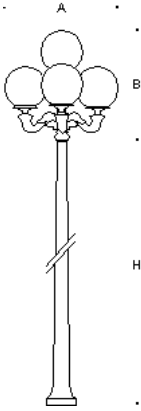
Pole-top luminaires			Lumen	A	B
B 1758	1 A 60	100 W	1360	250	330
B 1760	1 A 65	150 W	2200	350	440
B 1797	1 TC-D	13 W	900	250	330
B 1730	1 TC-D	26 W	1800	350	440

Poles		
B 538	Pole for B 1758 · B 1797	H = 1600 mm
B 539	Pole for B 1760 · B 1730	H = 2000 mm
B 572	Anchorage unit for poles B 538 · B 539	



The sphere – classic of light.
Pole-top luminaires – in the timeless and classic shape of the sphere.
Luminaires designed for incandescent lamps and fluorescent lamps.
If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps.
Pole-top luminaires ready for installation in single or quintuple configuration.
For pole heights of 2500–3000 mm.

We supply the luminaires on this double page in the colours graphite and white.
To special order, we also supply any other RAL colour.



Pole-top luminaires
in quintuple configuration for

- incandescent lamps A 65 150 W
- fluorescent lamps TC-D 26 W
- fluorescent lamps TC-TEL 26 · 32 W – electronic ballast

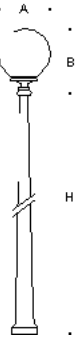
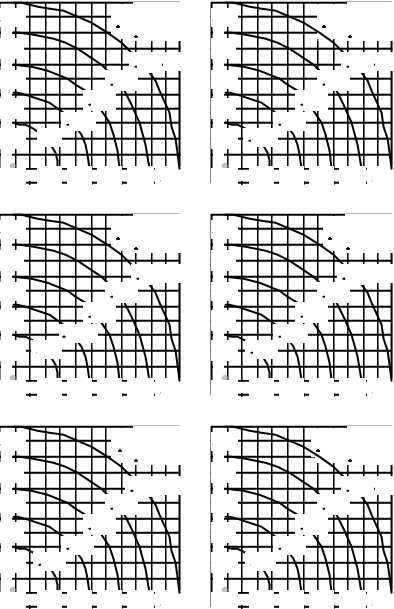
Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Three-ply opal glass
B 1764 · B 1732 – sphere ø 350 mm
B 1751 · B 1733 – sphere ø 450 mm

Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

Pole-top luminaires			Lumen	A	B
B 1764	5 A 65	150 W	11000	960	940
B 1751	5 A 65	150 W	11000	1220	1180
B 1732	5 TC-D	26 W	9000	960	940
B 1733	10 TC-TEL	26 W	18000	1220	1180
B 1733	10 TC-TEL	32 W	24000	1220	1180

Poles		
B 540	Pole for B 1764 · B 1732	H = 2500mm
B 541	Pole for B 1751 · B 1733	H = 3000mm
B 574	Anchorage unit for poles B 540 · B 541	



Pole-top luminaires for

- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 W – electronic ballast

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Three-ply opal glass

Colour graphite or white. White denoted by **W** after the article number.

Matching pole with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Pole-top luminaires			Lumen	A	B
B 1746	1 A 65	150 W	2200	450	590
B 1731	2 TC-TEL	26 W	3600	450	590
B 1731	2 TC-TEL	32 W	4800	450	590

Pole		
B 541	Pole for B 1746 · B 1731	H = 3000 mm
B 574	Anchorage unit for pole B 541	



These luminaires in diverse sizes and light outputs are designed for incandescent lamps and fluorescent lamps. If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps.

High-quality luminaires with very expressive design features. The luminaires are made of die cast aluminium with hand-blown crystal glass providing brilliant light or with three-ply opal glass providing soft uniform light distribution.

We supply the luminaires on this double page in the colours graphite and white. To special order, we also supply any other RAL colour.

Wall luminaires B 1276 and B 1277 can be mounted on house corners with a corner block. Description of corner block, page 88.

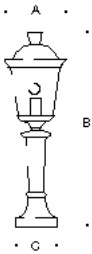


Wall luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- incandescent lamps A 80 200 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

IP 44 · Aluminium, die cast aluminium and stainless steel · Crystal glass · Opal glass
Wall mounting plate 110 · 150 · 205 mm
Colour graphite or white. White denoted by **W** after the article number.

Crystal glass		Lumen		A	B	C
B 1276	1 A 60	100 W	1360	250	485	335
B 1277	1 A 65	150 W	2200	300	640	460
B 1278	1 A 80	200 W	3100	390	830	585
Three-ply opal glass						
B 1288	1 TC-TEL	26 W	1800	300	640	460
B 1288	1 TC-TEL	32 W	2400	300	640	460
B 1288	1 TC-TEL	42 W	3200	300	640	460
B 1289	2 TC-TEL	26 W	3600	390	830	585
B 1289	2 TC-TEL	32 W	4800	390	830	585
B 1289	2 TC-TEL	42 W	6400	390	830	585

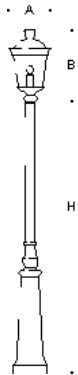
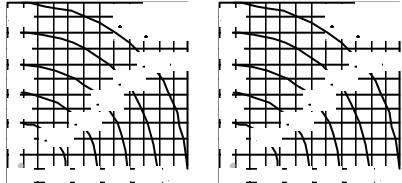


Pillar luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- incandescent lamps A 80 200 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Crystal glass · Three-ply opal glass
Colour graphite or white. White denoted by **W** after the article number.

Crystal glass		Lumen		A	B	C
B 1597	1 A 60	100 W	1360	250	710	155
B 1598	1 A 65	150 W	2200	300	960	205
B 1599	1 A 80	200 W	3100	390	1250	240
Three-ply opal glass						
B 1548	1 TC-TEL	26 W	1800	300	960	205
B 1548	1 TC-TEL	32 W	2400	300	960	205
B 1548	1 TC-TEL	42 W	3200	300	960	205
B 1549	2 TC-TEL	26 W	3600	390	1250	240
B 1549	2 TC-TEL	32 W	4800	390	1250	240
B 1549	2 TC-TEL	42 W	6400	390	1250	240



Pole-top luminaires for

- incandescent lamps A 65 150 W
- incandescent lamps A 80 200 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 44
Aluminium, die cast aluminium and stainless steel
Crystal glass · Three-ply opal glass

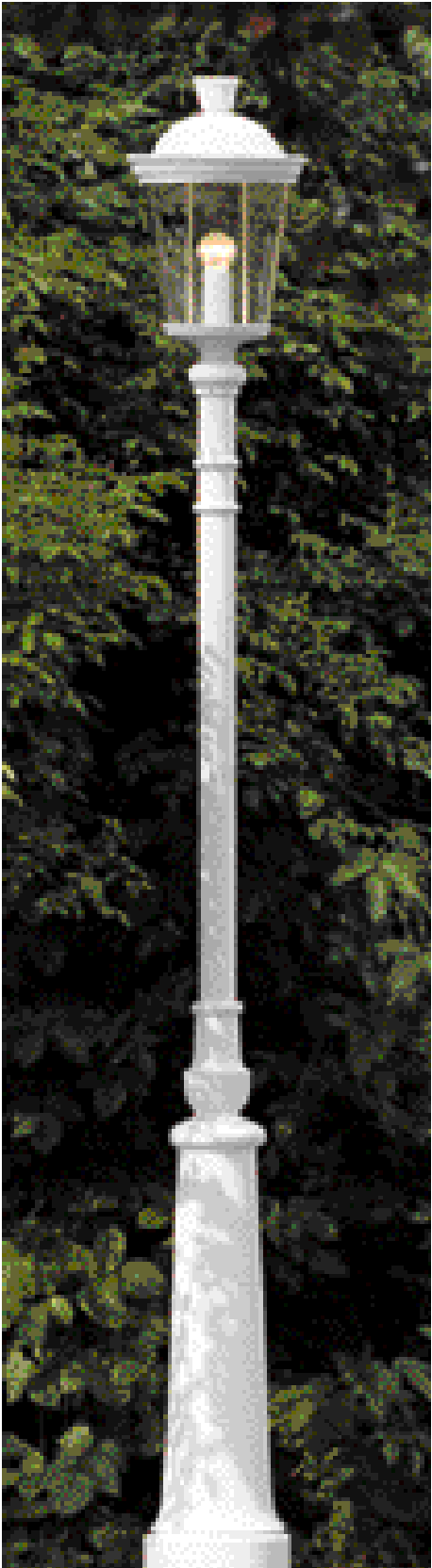
Matching poles with base plate for bolting to a foundation or anchorage unit. Description, pages 89–91.

Colour graphite or white. White denoted by **W** after the article number.

Crystal glass		Lumen		A	B
B 1950	1 A 65	150 W	2200	300	540
B 1823	1 A 80	200 W	3100	390	700

Three-ply opal glass						
B 1951	1 TC-TEL	26 W	1800	300	540	
B 1951	1 TC-TEL	32 W	2400	300	540	
B 1951	1 TC-TEL	42 W	3200	300	540	
B 1824	2 TC-TEL	26 W	3600	390	700	
B 1824	2 TC-TEL	32 W	4800	390	700	
B 1824	2 TC-TEL	42 W	6400	390	700	

Poles		
B 542	Pole for B 1950 · B 1951	H = 2000 mm
B 543	Pole for B 1823 · B 1824	H = 3000 mm
B 544	Pole for B 1823 · B 1824	H = 3500 mm
B 573	Anchorage unit for pole B 542	
B 582	Anchorage unit for poles B 543 · B 544	



Wall luminaires and pillar luminaires in three sizes for incandescent lamps and fluorescent lamps.
If required, the luminaires for fluorescent lamps can also be equipped for discharge lamps.
The luminaires for fluorescent lamps are provided with three-ply opal glass to ensure uniform light distribution.

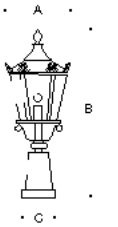


Wall luminaires in three sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps

TC-TEL 26 · 32 · 42 W – elec. ballast
Protection class IP 23
B 1343 · B 1356 IP 44 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Wall mounting plate 110 · 150 mm
Colour graphite

Antique glass		Lumen	A	B	C
B 1410	1 A 60	100 W	1360	260	550 320
B 1344	1 A 65	150 W	2200	350	800 480
B 1343	1 A 65	150 W	2200	560	1200 710
Three-ply opal glass					
B 1355	1 TC-TEL 26 W	1800	350	800	480
B 1355	1 TC-TEL 32 W	2400	350	800	480
B 1355	1 TC-TEL 42 W	3200	350	800	480
B 1356	2 TC-TEL 26 W	3600	560	1200	710
B 1356	2 TC-TEL 32 W	4800	560	1200	710
B 1356	2 TC-TEL 42 W	6400	560	1200	710



Pillar luminaires for

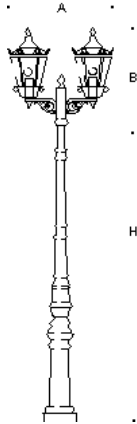
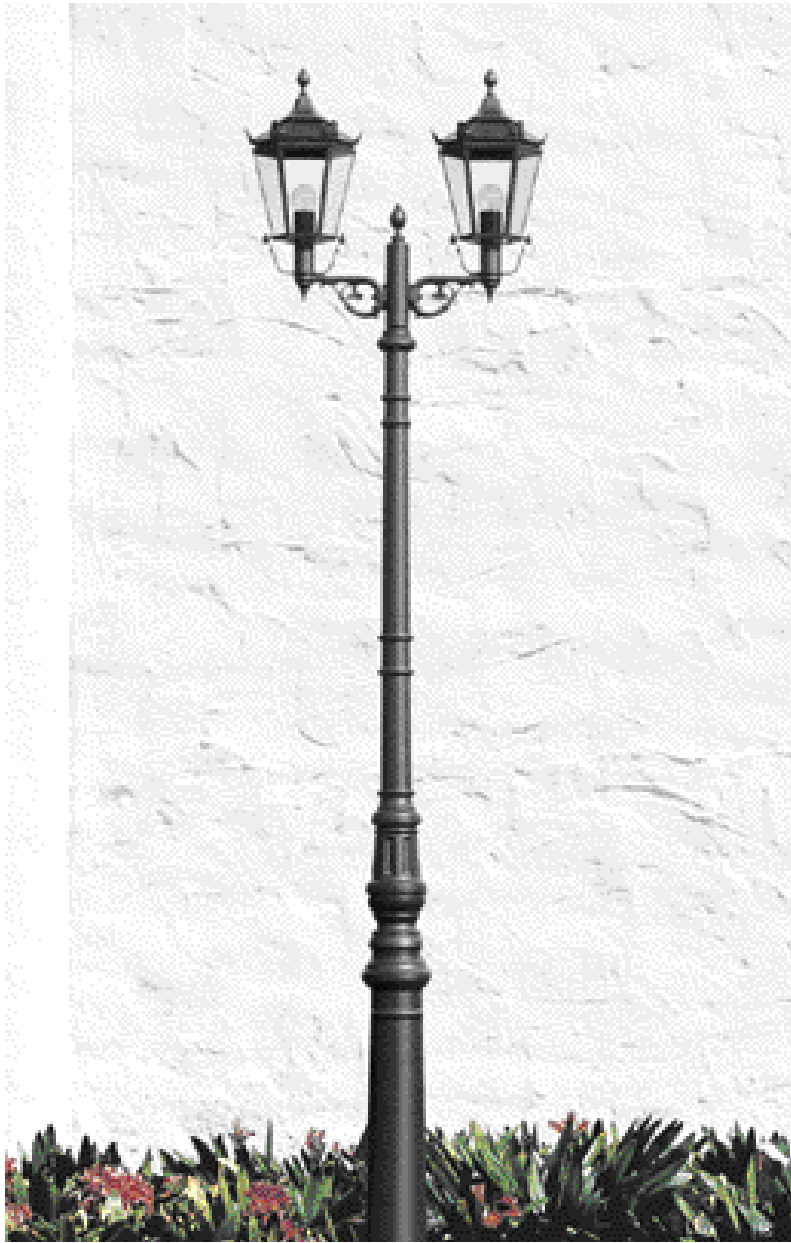
- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps

TC-TEL 26 · 32 · 42 W – elec. ballast
Protection class IP 23
B 1638 · B 1656 IP 44 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

Antique glass		Lumen	A	B	C
B 1688	1 A 60	100 W	1360	260	630 130
B 1639	1 A 65	150 W	2200	350	950 150
B 1638	1 A 65	150 W	2200	560	1400 200
Three-ply opal glass					
B 1654	1 TC-TEL 26 W	1800	350	950	150
B 1654	1 TC-TEL 32 W	2400	350	950	150
B 1654	1 TC-TEL 42 W	3200	350	950	150
B 1656	2 TC-TEL 26 W	3600	560	1400	200
B 1656	2 TC-TEL 32 W	4800	560	1400	200
B 1656	2 TC-TEL 42 W	6400	560	1400	200

Pole-top luminaires for incandescent lamps and fluorescent lamps.
If required, luminaire B 1800 can also be equipped for discharge lamps.
These pole-top luminaires are ready for installation in single or double configuration.
For pole heights of 1400–2000 mm.
They are intended for use in private gardens.

The luminaires for fluorescent lamps are provided with three-ply opal glass to ensure uniform light distribution.



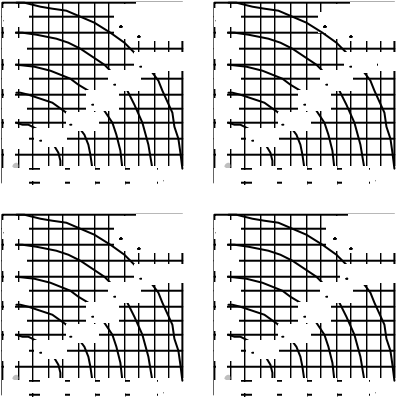
Pole-top luminaires
in double configuration for

- incandescent lamps A 60 100 W
- fluorescent lamps TC-D 18 W

Protection class IP 23
Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

Matching pole with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Antique glass			Lumen	A	B
B 1995	2 A 60	100 W	2720	640	620
Three-ply opal glass					
B 1771	2 TC-D	18 W	2400	640	620
Pole					
B 546	Pole for B 1995 · B 1771			H = 2000mm	
B 572	Anchorage unit for pole B 546				



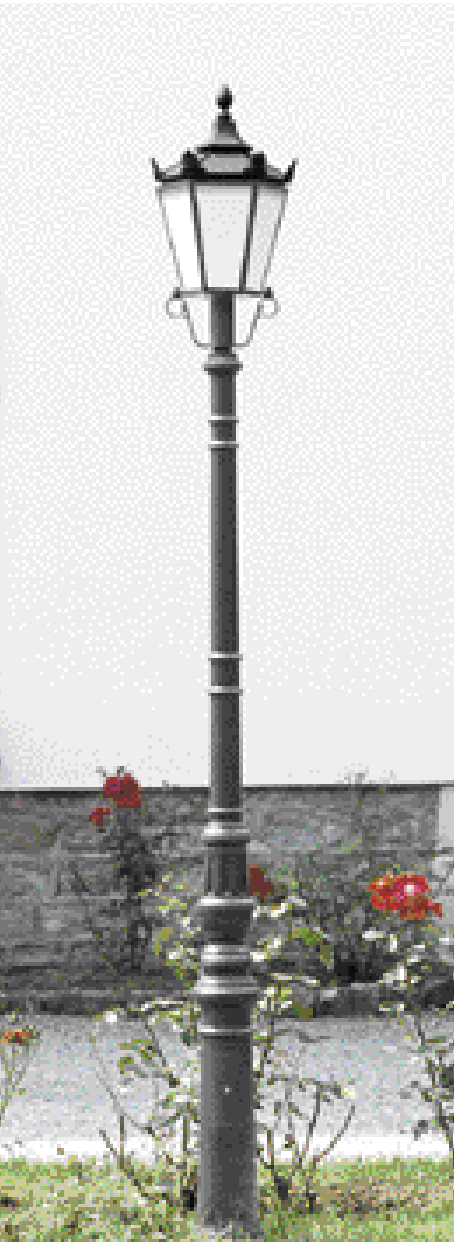
Pole-top luminaires in two sizes for

- incandescent lamps A 60 100 W
- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

Protection class IP 23 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

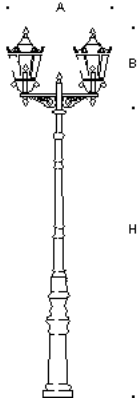
Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Antique glass			Lumen	A	B
B 1757	1 A 60	100 W	1360	260	500
B 1916	1 A 65	150 W	2200	350	700
Three-ply opal glass					
B 1800	1 TC-TEL	26 W	1800	350	700
B 1800	1 TC-TEL	32 W	2400	350	700
B 1800	1 TC-TEL	42 W	3200	350	700
Poles					
B 545	Pole for B 1757			H = 1400 mm	
B 546	Pole for B 1916 · B 1800			H = 2000 mm	
B 572	Anchorage unit for poles B 545 · B 546				



Pole-top luminaires for incandescent lamps and fluorescent lamps.
If required, these luminaires can also be equipped for discharge lamps.
They are ready for installation in single or double configuration.
For pole heights of 3000–3500 mm.

The luminaires for fluorescent lamps are provided with three-ply opal glass to ensure uniform light distribution.



Pole-top luminaires
in double configuration for

- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

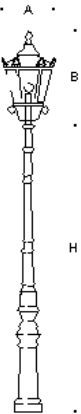
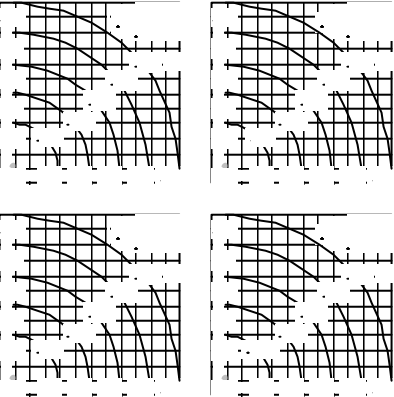
Protection class IP 65 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Antique glass			Lumen	A	B
B 1938	2 A 65	150 W	4400	1500	1100

Three-ply opal glass					
B 1952	2 TC-TEL	26 W	3600	1500	1100
B 1952	2 TC-TEL	32 W	4800	1500	1100
B 1952	2 TC-TEL	42 W	6400	1500	1100

Poles		
B 506	Pole for B 1938 · B 1952	H = 3000mm
B 521	Pole for B 1938 · B 1952	H = 3500mm
B 574	Anchorage unit for poles B 506 · B 521	



Pole-top luminaires for

- incandescent lamps A 65 150 W
- fluorescent lamps TC-TEL 26 · 32 · 42 W – electronic ballast

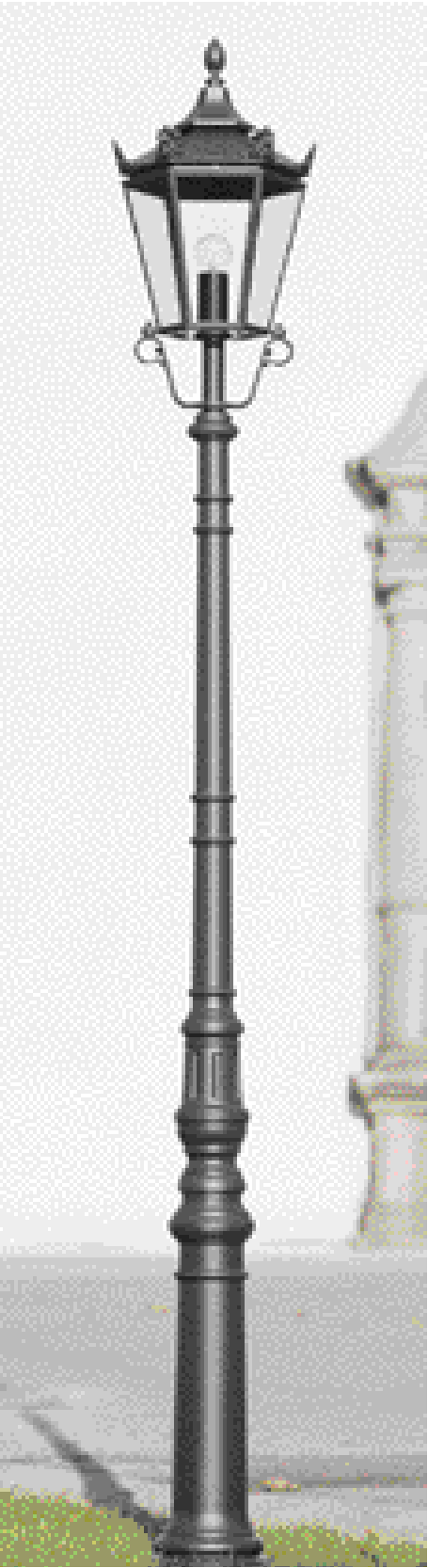
Protection class IP 65 · Aluminium, die cast aluminium and stainless steel
Antique glass · Three-ply opal glass
Colour graphite

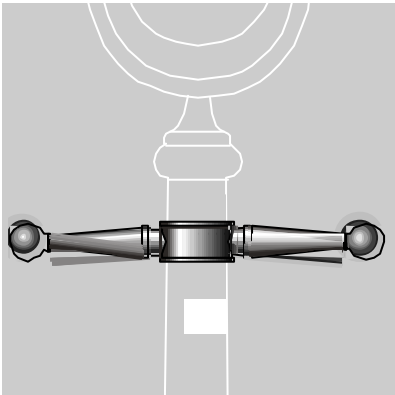
Matching poles with base plate for bolting to a foundation or anchorage unit.
Description, pages 89–91.

Antique glass			Lumen	A	B
B 1918	1 A 65	150 W	2200	560	1040

Three-ply opal glass					
B 1900	2 TC-TEL	26 W	3600	560	1040
B 1900	2 TC-TEL	32 W	4800	560	1040
B 1900	2 TC-TEL	42 W	6400	560	1040

Poles		
B 506	Pole for B 1918 · B 1900	H = 3000 mm
B 521	Pole for B 1918 · B 1900	H = 3500 mm
B 574	Anchorage unit for poles B 506 · B 521	

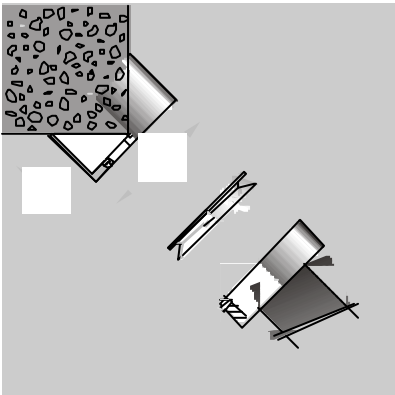




Ladder support

Designed for installation on tapered and cylindrical poles made of aluminium.
Die cast aluminium · Colour graphite or white. White denoted by **W** after the article number.
Ladder supports are accessories and must be ordered separately.

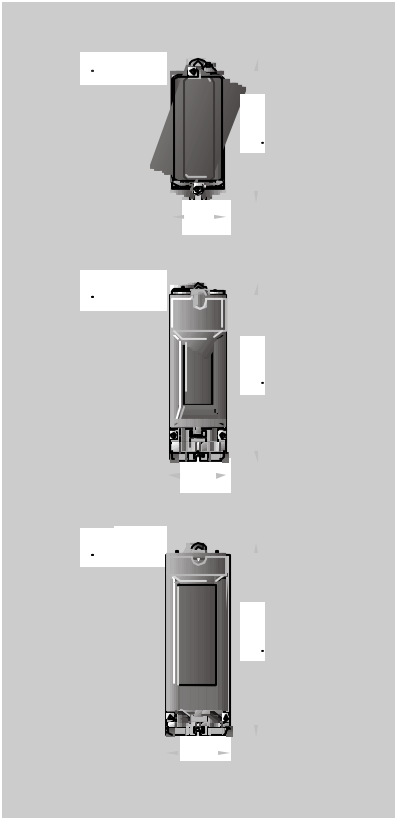
		suitable for BOOM poles	A
B 579	Ladder support	B 546	360
B 586	Ladder support	B 535 · B 547	360
B 583	Ladder support	B 506 · B 521 · B 525 · B 526 · B 536 · B 537	450



Corner blocks

Designed for the installation of wall luminaires on house corners.
Corresponding notes are given on the relevant pages of this catalogue.
They are made of die cast aluminium and stainless steel.
We supply the corner blocks in the colours graphite and white to match the luminaires. If the colour white = **W** is not specified after the article number in the order, we automatically supply the colour graphite.
To special order, we also supply any other RAL colour.

		A	ø
B 595	Corner block	50	90
B 571	Corner block	60	110
B 575	Corner block	70	130
B 585	Corner block	80	150



Connection boxes for luminaire poles

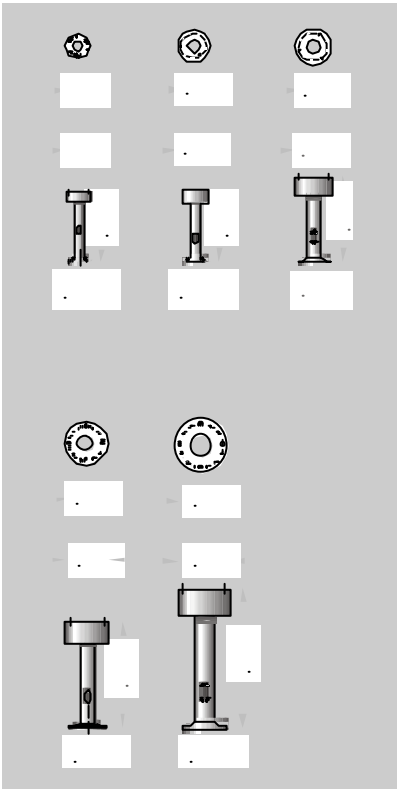
The tables on pages 90–91 specify the type of connection box **A · B · C** to match the poles.
Connection boxes are accessories and must be ordered separately.
The housings are made of impact-resistant plastic.
Possible connections, fuses and protection classes are given in the table. The connection boxes were tested to DIN 43628/VDE 0660 · Part 505.
Safety class II **2**
The price of the connection box includes installation in the pole.
The illustrations show the equipment when closed.

Type		Pole ø/D2	Fuses	Input	Output	Protection
A	B 555	≥ 100 mm	1 Neozed 16 A	2 5 x 4°	1 3 x 1,5°	IP 55
B	B 556	≥ 110 mm	2 Neozed 16 A	2 5 x 16°	2 3 x 2,5°	IP 54
C	B 557	≥ 120 mm	3 Neozed 16 A	3 5 x 16°	2 5 x 2,5°	IP 54

Anchorage units for garden luminaires and luminaire poles

Anchorage units made of hot dip galvanized steel facilitate the mounting of poles with base plate in the ground. The welded construction comprises a mounting plate, tube and flange plate with stainless steel threaded bushes.
The flange plate must be installed horizontal and flush with the mounting surface.
The mounting plate of the pole or garden luminaire is bolted to the anchorage unit.
Stainless steel bolts to connect the mounting plate of the pole to the anchorage unit are supplied.

		Cable entry
B 570	Anchorage unit	~ 350 mm below ground
B 572	Anchorage unit	~ 350 mm below ground
B 573	Anchorage unit	~ 400 mm below ground
B 574	Anchorage unit	~ 500 mm below ground
B 582	Anchorage unit	~ 500 mm below ground



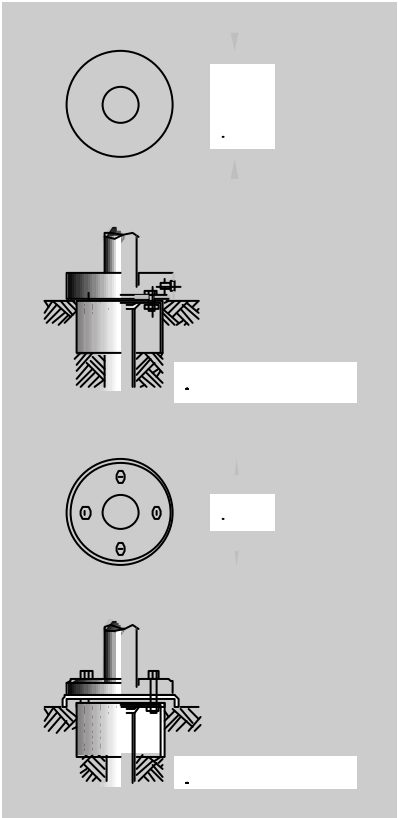
Mounting systems for BOOM luminaire poles

System 1 – A mounting plate is bolted to an anchorage unit or foundation.
The base plate of the pole is bolted to the mounting plate with horizontal stainless steel bolts.

System 2 – A mounting plate is bolted to an anchorage unit or foundation.
The base plate of the pole is fixed to the mounting plate by vertical bolts.

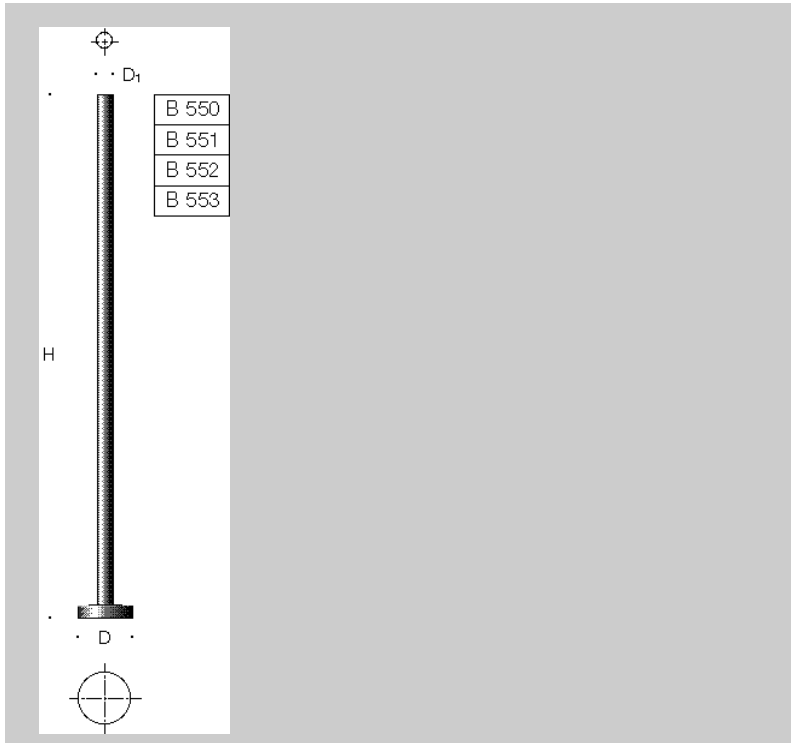
The stainless steel bolts for connecting the mounting plate of the pole to the anchorage unit are supplied for both systems.

When mounting on a foundation, the bolts must be provided by the customer.



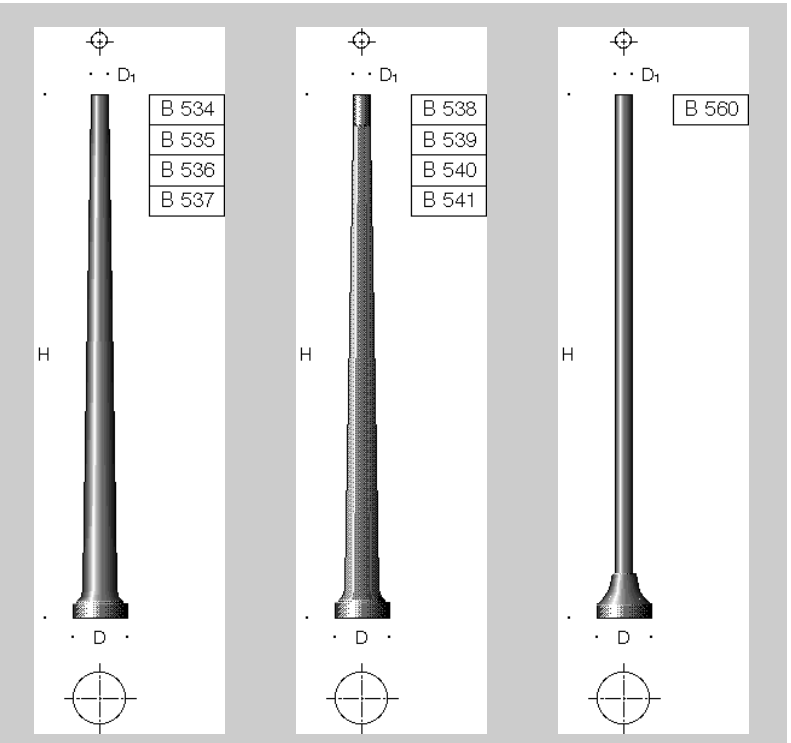
Luminaire poles for pole-top luminaires

The untreated copper poles are supplied with a base plate made of die cast bronze, the aluminium poles with a base plate made of die cast aluminium. The poles are constructed to allow them to be mounted on an anchorage unit or on-site concrete foundation. The base plate of the pole includes a mounting plate which is bolted to the anchorage unit or concrete foundation. Please refer to page 89 for information on mounting the poles. The statics of the poles allow them to withstand all normal stresses connected with the respective luminaires.

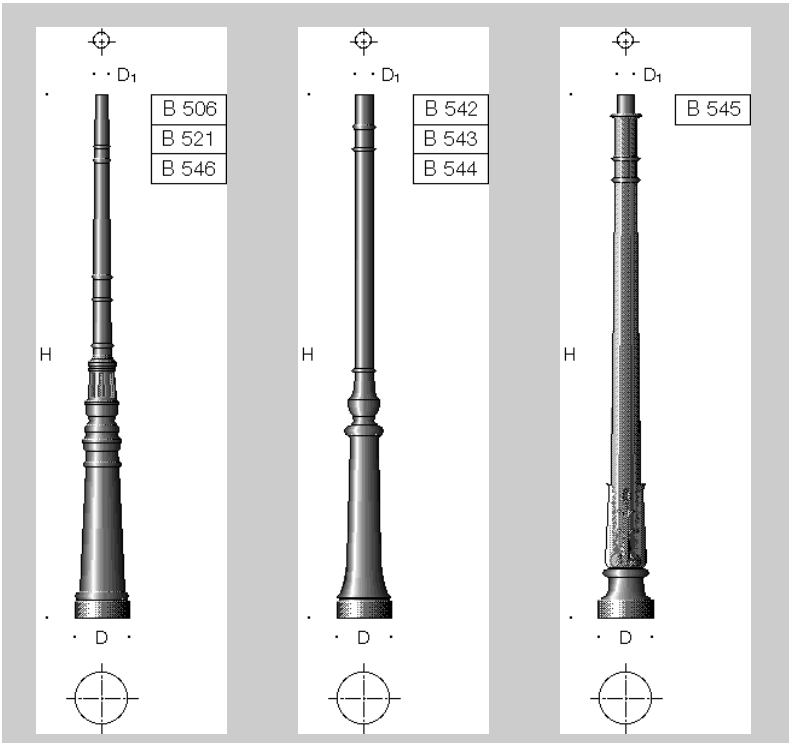


Poles made of copper + die cast bronze							
Pole	H	D	D ₁	System	kg	Connect. box	Anch. unit
B 550	2000	220	60	2	9,0	without door	B 573
B 551	2400	220	80	2	14,5	without door	B 573
B 552	1700	220	60	2	7,0	without door	B 573
B 553	2000	220	80	2	11,5	without door	B 573

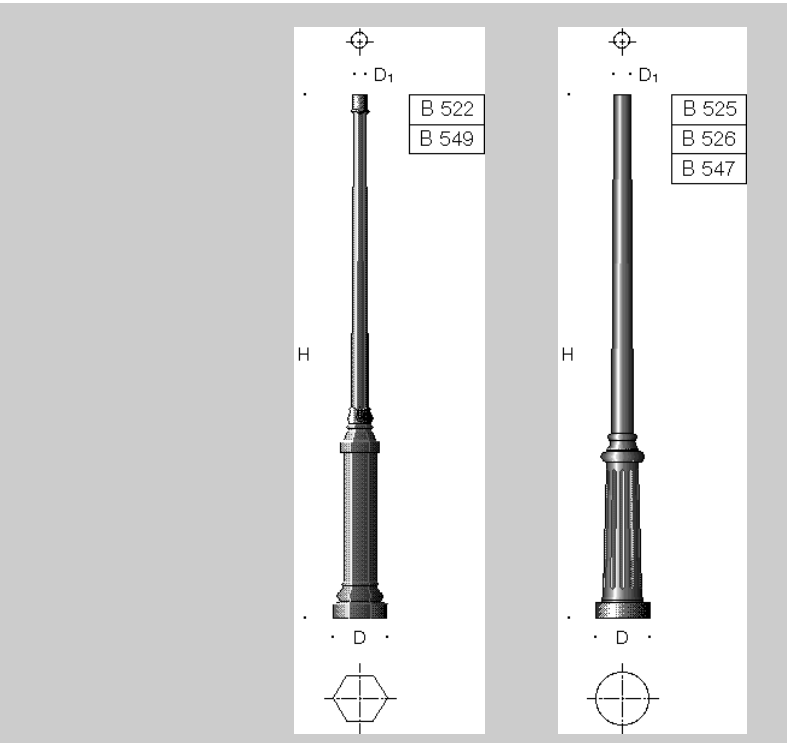
The table shows the matching connection boxes A · B · C for the poles. For technical data of connection boxes, see page 88. Copper poles are supplied in their natural colour. Aluminium poles are supplied with several coats of stove enamel. Colour graphite or white. If the colour white = **W** is not specified after the article number in the order, we automatically supply the colour graphite. We also supply any other RAL colour at the catalogue price.



Poles made of aluminium + die cast aluminium							
Pole	H	D	D ₁	System	kg	Connect. box	Anch. unit
B 534	1600	200	60	1	9,0	without door	B 572
B 535	2000	200	60	1	11,0	A	B 572
B 536	3000	300	76	1	19,0	B · C	B 574
B 537	3500	300	76	1	21,0	B · C	B 574
B 538	1600	200	60	1	9,0	without door	B 572
B 539	2000	200	60	1	11,0	A	B 572
B 540	2500	300	76	1	27,0	A · B	B 574
B 541	3000	300	76	1	32,0	A · B	B 574
B 560	1800	200	60	1	6,0	without door	B 572



Poles made of aluminium + die cast aluminium							
Pole	H	D	D ₁	System	kg	Connect. box	Anch. unit
B 506	3000	300	76	1	31,0	B · C	B 574
B 521	3500	300	76	1	35,0	B · C	B 574
B 546	2000	200	60	1	11,0	A	B 572
B 542	2000	240	60	1	16,0	A	B 573
B 543	3000	400	76	1	34,0	B · C	B 582
B 544	3500	400	76	1	36,0	B · C	B 582
B 545	1400	200	60	1	6,0	without door	B 572



Poles made of aluminium + die cast aluminium							
Pole	H	D	D ₁	System	kg	Connect. box	Anch. unit
B 522	3500	300	76	1	35,0	B · C	B 574
B 549	2000	200	60	1	11,0	A	B 572
B 525	3000	300	76	1	26,0	B · C	B 574
B 526	3500	300	76	1	28,0	B · C	B 574
B 547	2000	200	60	1	11,0	A	B 572

The luminaires in this catalogue are designed and built on the basis of international regulations according to EN 60598/VDE 0711. The majority of the luminaires bear corresponding test marks on type plate packaging and instructions for use. The remaining luminaires are ready for testing but the test and approval procedure is not yet complete. As our catalogue will be valid for a considerable time, we are unable to specify the current status of mark approvals but we can provide information on the status of mark approvals at any time. Special orders are built on the basis of the regulations. All luminaires are subject to constant production control and quality control.

Safety symbols

I – ENEC symbol

The ENEC symbol (European Norms Electrical Certification) is a European test and certification symbol for luminaires and electrical components in luminaires. The number 10 with or without the VDE symbol means that the test/certification symbol was awarded by the VDE Test and Certification Institute, Germany.

h – F symbol

Luminaires bearing the F symbol can be fixed to normal flammable building material (EN 60598 /VDE 0711).

ta – Ambient temperature

The luminaires are designed in accordance with DIN EN 60598/ VDE 0711 for an ambient temperature of ta + 25° C.

C – symbol

The CE symbol is affixed at the manufacturer's own responsibility and is not a safety symbol. The manufacturer is only documenting conformity with the directives of the European Union.

Safety classes

1 – Safety class I
Luminaires provided with an earth connection. Under fault conditions, the power supply is cut off by an overload device.

2 – Safety class II
Together with the functional insulation, these luminaires have an additional protective insulation. Under fault conditions, no dangerous voltage can reach metal parts which can be touched. Many luminaires are available both in Safety class I and Safety class II. Please enquire.

3 – Safety class III
These luminaires operate on extra-low safety voltage. They may only be connected to safety isolating transformers to EN 61558/VDE 0570 Part 2–6 or another power source to VDE 0100. If an insulation fault occurs, no inadmissibly high touch voltage can develop.

Protection classes

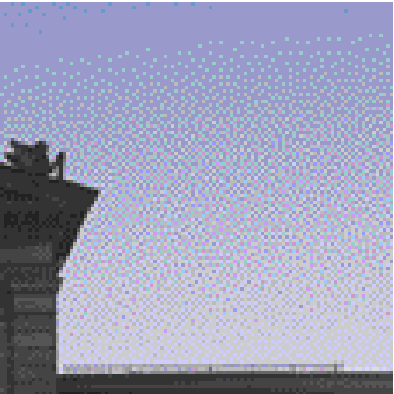
Foreign body protection – 1st figure:

	IP 1X	against foreign bodies Z 50 mm
	IP 2X	against foreign bodies Z 12 mm
	IP 3X	against foreign bodies Z 2.5 mm
	IP 4X	against foreign bodies Z 1 mm
5	IP 5X	against harmful dust deposits
6	IP 6X	against dust entry

Water protection – 2nd figure:

7	IP X1	against drops of water falling vertically
	IP X2	against drops of water falling from angles up to 15°
8	IP X3	against showers from angles up to 60°
4	IP X4	against splash water
44	IP X5	against water jets
	IP X6	against heavy downpours
	IP X7	against immersion
77...m	IP X8	against submersion

The BOOM catalogue contains a large number of planning aids, data and tips as well as extracts from standards and guidelines. There are data sheets for many luminaires giving technical information beyond the scope of this catalogue. BOOM will design lighting systems to your specifications. Our suggestions consider given technical circumstances and also requirements of design. Explanations in this catalogue convey basic information on lighting terms, diagrams, standards and guidelines. They are intended to provide practical assistance in daily work.



Isolux diagrams

Isolux diagrams – example given below – indicate the distribution of illuminance on a visible surface. Points with the same illuminance are joined by curves – isolux lines. The luminaire is located perpendicular to the plane shown at a mounting height H above the coordinate datum. The pole height H is given in the isolux diagrams. The light source spacing is approximately twice the distance to the isolux line representing the required minimum illuminance.

Example:
In the isolux diagram shown here, the 0.5 lx line is lateral at a distance of 9 m from the coordinate datum. If a footpath is lighted, – E_{min} £ 1 lx –, a light source spacing of approx. 18 m must be selected.

Traffic calmed areas · DIN 5044

In traffic calmed areas, luminaires should be arranged in such a way that drivers can recognize the special characteristics of these areas. The luminance method cannot be applied if the location of the observer and/or the reflective properties of the roadway surface are not uniform. Urban and suburban streets with a low level of traffic are therefore measured in terms of illuminance.

Streets	q · lx	g ₁	KB
with urban function	7	0.20	2
with suburban function	3	0.10	2

BOOM lighting technology bases its streetlighting calculations on the C2 standard surface. This standard surface replaces classes R2, R3 and R4. The problem of surface classification is therefore not relevant. The C standards are determined according to CIE Publication No. 66.

C1: Asphalt concrete surface with artificial brightening agent, concrete surface
C2: Asphalt concrete surface without artificial brightening agent

Pedestrian areas










Recommendations by the Road Research Group
New urban planning concepts for pedestrian areas and courtyards focus on human factors. Public areas should improve the quality of life, promote communication and, for example, allow events to be staged. The selection and arrangement of the right luminaires are fundamental design features of such centres of urban life. Luminaires should be adequately shielded and illuminate adjacent facades 1...4 lx, facilitating orientation and increasing safety.

Exterior areas	q · lx	g ₂	E _{min}
Pedestrian areas	5	0.08	–
Pedestrian bridges	–	0.10	–
Squares	10	0.10	–
Level footpaths	–	–	Ž 1lx
Footpaths with steps	–	–	Ž 5lx
Outside steps	15	0.30	–

Interior areas	q · lx	g ₂	E _{min}
Arcades, passageways	15	0.10	–
Shopping malls	50	0.10	–
Subways	60	0.33	–
Subways*	50-100	0.30	–
Underground stations	120	0.30	–
Inside steps	120	0.30	–

This table gives a survey of lamps for the luminaires in this catalogue. Production programmes of lamp manufacturers are subject to constant improvements and new developments. As this catalogue will be valid for a considerable time, we would expressly advise you to consult the latest data sheets issued by manufacturers. This applies in particular to data relating to the burning positions, operating current and starting characteristics of the lamps. The contents of the tables below have been provided by the lamp manufacturers. We assume no liability for the completeness and validity of such data. In this catalogue, the uniform lamp designation system · LBS · of the electrical industry was used when specifying lamps from different manufacturers and their diverse type designations.



	Symbol	LBS	Wattage	Lampholder	Luminous intensity	Osram	Philips
Incandescent lamps		A 60	40 W	E 27	420	CLAS A CL/FR 40	Classicitone clear/frosted
		A 60	60 W	E 27	720	CLAS A CL/FR 60	Classicitone clear/frosted
		A 60	75 W	E 27	940	CLAS A CL/FR 75	Classicitone clear/frosted
		A 60	100 W	E 27	1360	CLAS A CL/FR 100	Classicitone clear/frosted
		A 65	150 W	E 27	2200	CLAS A CL/FR 150	Classicitone clear/frosted
		A 80	200 W	E 27	3100	CLAS A CL/FR 200	Classicitone clear/frosted
Drop lamps		D 45	40 W	E 14	400	CLAS P CL/FR 40	Classicitone clear/frosted
Candle lamps		C 35	40 W	E 14	400	CLAS B CL/FR 40	Classicitone clear/frosted
Tungsten halogen lamps		QT 32	60 W	E 27	780	64472 KL/IM	13658
		QT 32	75 W	E 27	1050	64474 KL/IM	–
Compact fluorescent lamps		TC-S	9 W	G 23	600	Dulux S 9 W	PL- S 9 W
		TC-S	11 W	G 23	900	Dulux S 11 W	PL- S 11 W
		TC-L	24 W	2 G 11	1800	Dulux L 24 W	PL-L 24 W/4p
		TC-L	36 W	2 G 11	2900	Dulux L 36 W	PL-L 36 W/4p
		TC-D	10 W	G 24 d-1	600	Dulux D 10 W	PL-C 10 W
		TC-D	13 W	G 24 d-1	900	Dulux D 13 W	PL-C 13 W
		TC-D	18 W	G 24 d-2	1200	Dulux D 18 W	PL-C 18 W
		TC-D	26 W	G 24 d-3	1800	Dulux D 26 W	PL-C 26 W
		TC-T	18 W	GX 24 d-2	1200	Dulux T 18 W	PL-T 18 W
		TC-T	26 W	GX 24 d-3	1800	Dulux T 26 W	PL-T 26 W
		TC-TEL	26 W	GX 24 q-3	1800	Dulux T/E 26 W	PL-T 26 W/4p
		TC-TEL	32 W	GX 24 q-3	2400	Dulux T/E 32 W	PL-T 32 W/4p
		TC-TEL	42 W	GX 24 q-4	3200	Dulux T/E 42 W	PL-T 42 W/4p

Page	Luminaire	Page	Luminaire	Page	Luminaire	Page	Luminaire	Page	Luminaire	Page	Luminaire	Page	Luminaire	Page	Luminaire	Page
Poles	1000	1200	1300												1900	
B 506 91	B 1009 44	B 1221 60	B 1323 40	B 1453 30	B 1512 50	B 1575 76	B 1724 61	B 1900 87								
B 521 91	B 1010 44	B 1242 24	B 1325 14	B 1454 30	B 1513 52	B 1577 76	B 1725 61	B 1916 85								
B 522 91	B 1011 44	B 1243 24	B 1343 82	B 1455 30	B 1514 52	B 1597 80	B 1726 65	B 1918 87								
B 525 91	B 1019 42	B 1244 24	B 1344 82	B 1456 30	B 1517 60	B 1598 80	B 1727 65	B 1928 59								
B 526 91	B 1020 43	B 1245 24	B 1347 8	B 1457 63	B 1518 56	B 1599 80	B 1728 41	B 1938 86								
B 534 90	B 1021 42	B 1248 34	B 1349 9	B 1459 63	B 1519 56		B 1729 39	B 1947 69								
B 535 90	B 1062 16	B 1249 34	B 1351 68	B 1464 74	B 1520 51		B 1730 77	B 1948 59								
B 536 90	B 1065 8	B 1250 34	B 1352 58	B 1465 74	B 1521 74		B 1731 79	B 1950 81								
B 537 90	B 1066 9	B 1251 54	B 1354 46	B 1466 74	B 1522 43		B 1732 78	B 1951 81								
B 538 90	B 1070 38	B 1252 54	B 1355 82	B 1470 27	B 1523 74		B 1733 78	B 1952 86								
B 539 90	B 1073 29	B 1253 48	B 1356 82	B 1471 26	B 1524 55		B 1746 79	B 1955 59								
B 540 90	B 1079 29	B 1254 48	B 1362 14	B 1472 29	B 1525 74		B 1750 65	B 1971 73								
B 541 90		B 1255 54	B 1367 58	B 1473 29	B 1526 53		B 1751 78	B 1990 73								
B 542 91		B 1256 54	B 1369 58	B 1476 29	B 1527 53		B 1754 65	B 1995 84								
B 543 91		B 1257 54	B 1370 10	B 1477 29	B 1528 76		B 1755 73									
B 544 91	B 1122 70	B 1258 50	B 1371 11	B 1478 35	B 1529 76		B 1757 85									
B 545 91	B 1124 70	B 1259 50	B 1372 10	B 1479 35	B 1530 37		B 1758 77									
B 546 91	B 1131 27	B 1260 52	B 1379 16	B 1480 35	B 1531 37		B 1760 77									
B 547 91	B 1132 27	B 1261 52	B 1381 68	B 1481 35	B 1532 47		B 1764 78									
B 549 91	B 1133 27	B 1262 32	B 1382 38	B 1482 71	B 1533 49		B 1771 84									
B 550 90	B 1134 27	B 1263 32		B 1483 71	B 1534 49		B 1787 66									
B 551 90	B 1152 33	B 1264 28		B 1484 20	B 1536 12		B 1788 66									
B 552 90	B 1153 33	B 1265 28		B 1485 20	B 1537 12		B 1791 67									
B 553 90	B 1160 36	B 1266 32	B 1406 38	B 1486 20	B 1538 64		B 1793 66									
B 560 90	B 1162 36	B 1267 32	B 1409 71	B 1487 35	B 1539 64		B 1797 77									
	B 1164 25	B 1269 13	B 1410 82	B 1488 35	B 1540 64		B 1687 39									
	B 1165 25	B 1270 12	B 1415 71	B 1489 22	B 1541 64		B 1688 83									
Accessories	B 1166 25	B 1271 12	B 1426 63	B 1490 22	B 1543 72		B 1689 72									
B 555 88	B 1167 25	B 1272 31	B 1427 62	B 1491 22	B 1544 72		B 1693 72									
B 556 88	B 1168 25	B 1273 31	B 1428 63	B 1492 22	B 1546 72											
B 557 88	B 1169 25	B 1274 31	B 1429 62	B 1493 76	B 1547 72											
B 570 89	B 1172 28	B 1275 31	B 1430 62	B 1494 76	B 1548 80											
B 571 88	B 1173 28	B 1276 80	B 1431 68	B 1495 23	B 1549 80											
B 572 89	B 1174 28	B 1277 80	B 1433 60	B 1496 23	B 1550 64											
B 573 89	B 1175 28	B 1278 80	B 1434 71	B 1497 23	B 1551 64											
B 574 89	B 1179 46	B 1280 18	B 1435 70	B 1498 23	B 1552 64											
B 575 88	B 1180 36	B 1281 19	B 1438 76	B 1499 71	B 1553 68											
B 579 88	B 1181 36	B 1282 18	B 1439 76		B 1554 60											
B 582 89	B 1191 20	B 1283 19	B 1441 40		B 1559 72											
B 583 88	B 1192 20	B 1284 18	B 1442 63		B 1562 76											
B 585 88	B 1193 20	B 1285 19	B 1444 62		B 1563 76											
B 586 88	B 1194 20	B 1286 18	B 1446 76		B 1564 72											
B 595 88	B 1195 20	B 1287 19	B 1449 76		B 1570 40											
		B 1288 80	B 1451 30		B 1571 64											
		B 1289 80	B 1452 30		B 1573 64											

We supply luminaires, poles and accessories with painted surface finish in the colour graphite but some additionally in the colour white. If the colour white = **W** is not specified after the article number in the order, we automatically supply the colour graphite. Luminaire poles with painted surface finish are supplied at catalogue prices in any required RAL colour.

General Conditions of Sale

Our deliveries are effected only in accordance with the “General Conditions of Supply and Delivery for Products and Services of the Electrical Industry” as amended as well as the supplementary clause: Extended Reservation of Title. In addition, our terms and conditions of sale and delivery hereinafter set forth shall apply.

Offers – All offers are subject to change without notice.

Delivery – Deliveries are effected ex works for the account and at the risk of the purchaser. The risk of breakage shall be borne by the purchaser. On request, we shall assume the risk of breakage to the delivery address and shall charge this separately at 1% of the net value of goods.

Time of delivery – Times of delivery shall be advised at our discretion. They shall only be binding if expressly confirmed by us. Damage claims due to delay in delivery shall be excluded unless we are responsible for gross negligence or intent.

Prices – The prices valid at the time of delivery shall be charged. Prices are ex works excluding packing. Outer packing shall be charged except in the case of routine deliveries by our contractual forwarders.

Payment – If not otherwise arranged, payment is to be made by irrevocable and confirmed documentary letter of credit, to be established through a first class foreign bank. If we agree to open an account, our invoices are payable net within 30 days of date of invoice. If date of payment is exceeded, we are authorized to charge default interest at the rate customary in banking.

Workmanship – We reserve the right to make any changes to the design and construction of our products due to technical progress.

Guarantee – We assume the guarantee according to Article IX of the “General Conditions of Supply and Delivery for Products and Services of the Electrical Industry” for our products. Other guarantee or damage claims against us – for whatever legal ground – shall be excluded.

This especially applies to compensation for damages not affecting the actually supplied product. Complaints regarding quantity or complaints about visible damages shall only be considered if they are notified within 7 days of receipt of the goods.

We accept no liability for consequential damages due to incorrect lighting planning provided by us as a service free of charge.

Luminaires are technical products according the German Act concerning the Safety of Appliances and must only be used according to their intended purpose.

If luminaires, spare parts and accessories are not used according to their intended purpose, or if luminaires are altered arbitrarily without our explicit written consent, we shall be released from all liabilities in the case of damage.

Returns – Returns shall only be credited if we have given our prior consent. We credit 80% of the calculated price for undamaged goods in their original packing. Any necessary reconditioning and repacking costs and any transport costs incurred shall also be deducted from our credit note without special notification. Special orders and special electrical productions cannot be returned.

Exports – Our products must not be offered or sold in countries outside the European Union – nor through third parties – without our prior consent.

Place of fulfilment and legal venue is Menden.
All contractual relationships shall be governed by German Law.