

BÄRO

Retail  
Lighting

# EC LUMINAIRE SERIES

Ontero  
Intara  
Pendiri





# Ontero Intara Pendiro

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# EC luminaire series

ONTERO, INTARA, PENDIRO

Ontero EC, Intara EC and Pendiro EC are innovative LED luminaires with a clear and consistent design idiom. The luminaire series was specially developed for LED light sources and offers architects, light planners and users maximum design freedom for retail lighting projects.

Both passively and actively cooled LED versions are available. Integrated cooling fins in the luminaire head enable excellent thermal management. This ensures optimum operating conditions for the light sources fitted and therefore a long life and high light quality. The reflectors with a MIRO® surface specially developed by BÄRO are extremely efficient in channelling light and have a very high level of efficiency. The luminaire heads are made of die-cast aluminium and are available with powder coating in strato silver, strato black and strato white. They are also optionally in all RAL colours.



# The squaring of the circle

An interview with designer Jens Pattberg  
and BÄRO CEO J. Manuel von Möller  
on the development of the EC luminaire series.

PHOTOGRAPHY: HARTMUT NÄGELE



Mr Pattberg, Mr von Möller, how has the cooperation been between BÄRO and brains4design? After all, this is already the third luminaire that you are realising together.

**Jens Pattberg:** We found that LED technology has not yet really played a major role in the field of design. And we discovered that when we really work intensively with this technology we come up with new and innovative designs.

**J. Manuel von Möller:** It was important to me not to focus solely on appearance; the product also had to be well-equipped for the demands of everyday use. Anything else is neither in our interests nor in those of our customers. On the one hand we wanted to create a more delicate design idiom, but we were also aware of the technical challenges associated with the medium of light: a certain amount of space is needed to accommodate the reflector, and you must deal with the heat so that there is no heat build-up. A luminaire

must be 100% functional in all different kinds of ambient conditions – even on a hot summer’s day.

**Jens Pattberg:** For example, we tried to integrate the cooling equipment directly in the housing and combined different materials for this. As a designer, when I examine technologies intensively I can create new designs. This is why for me, concerning myself with new technologies forms the basis for developing innovative products. And it goes without saying that they must be well designed.

**Does the design and development process for an LED luminaire differ from that for a conventional luminaire? The technology plays a much greater role, doesn’t it?**

**Jens Pattberg:** Now I’d say: No. When I look at our previous projects with reflector technology and housing structure, I studied the technology in the same depth as I do now with LED technology. For me as a designer it is particularly

exciting that the use of LED technology offers us completely new opportunities. For example, if you fly to Asia in an A380, you notice how the colours of the light slowly become darker and redder – and in the morning a little bluer again. This shows that even unexpected markets can be served with LED technology in future.

**What was the basic idea for the design of the EC luminaire series? And where were the greatest challenges?**

**Jens Pattberg:** Right at the beginning of the cooperation we set ourselves the target of developing a design style that puts the focus on light and reduces and simplifies the product design idiom. This approach also formed the basis for developing the EC luminaire series. We wanted to translate complex technology into simple shapes and design elements.

**J. Manuel von Möller:** Right from the start our unusual request was to “square the circle”.

We wanted a product that conveys high quality – in terms of material, look and feel. At the same time the product costs had to stay within reasonable limits. With the help of brains4design we reached an excellent solution: the EC luminaires – where the squaring of the circle has also been achieved visually. The shape of the luminaire head changes from square at the top end to round where the light is emitted. There is barely any better metaphor for what we aimed to achieve with the EC series and have succeeded in doing.

**What advantages does LED technology offer the retail sector?**

**Jens Pattberg:** The most important advantage is energy efficiency and the potential savings in connection with this. The savings are so great that sooner or later everyone will have to invest in LED technology. Depending on the amount of time that such systems operate each day, the time needed to amortise the

We wanted a product that conveys high quality – in terms of material, look and feel. At the same time the product costs had to stay within reasonable limits.

J. MANUEL VON MÖLLER



investment can vary, but ultimately no one will be able to avoid LED technology.

**J. Manuel von Möller:** And there is a further factor that is equally important: the reduced maintenance. LEDs have a much longer service life than conventional light sources. It goes without saying that this offers our customers huge advantages.

**What role does the light colour play in product lighting – especially in lighting for fresh foodstuffs?**

**J. Manuel von Möller:** We have concerned ourselves with this topic for decades. For example, we have had light colours specifically developed for us, tested them together with our customers, and regularly matched and perfected them – until we ultimately achieved the precise result desired by the customer. The ambience of a store is largely defined by being able to present different products in colours appropriate for them. But it is not only the light colour that is important –

product preservation also plays a decisive role. LED technology also offers advantages here. But I'd like to add something to the previous point: the cost savings and the efficiency advantages are very important aspects. But ultimately, it is being able to present a store and the products in such a way that the consumer feels comfortable there, enjoys going there and spending time there that offers retailers the biggest opportunities. And this is where there is further considerable potential – not just for LEDs, but for good lighting as a whole.

**To what extent have the demands on good lighting changed? Are products presented differently nowadays?**

**Jens Pattberg:** I believe that the better the lighting planner, the architect and the designer understand the opportunities offered by LED technology, the more the lighting will be integrated in the architecture. In the retail sector in particular the focus is less on the luminaire and much more on the light.

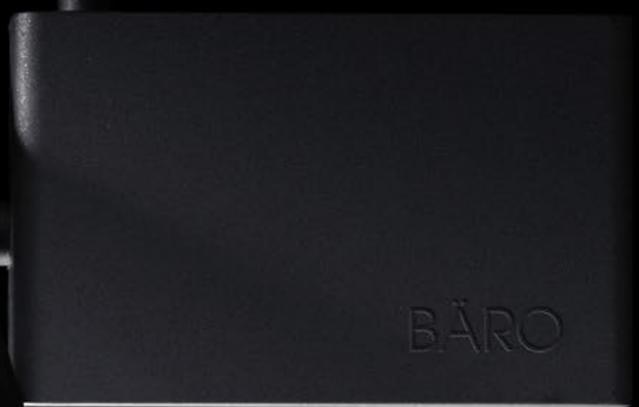
**J. Manuel von Möller:** Customers are not usually very interested in luminaires themselves – with the exception of spectacular unique luminaires as design highlights. They want excellent illumination producing the desired effect. Of course that presents us as a luminaire manufacturer with a challenge: on the one hand we want to offer an attractive product with state-of-the-art technology and design. And on the other hand we know that our products are first and foremost good when they can be perfectly integrated into the design concept of the store in question. This balancing act between highly efficient and unobtrusive functionality on the one hand and an elegant, filigree design on the other hand is easier to master with LEDs than with discharge lamps.

**And finally, a hypothetical question: you aim to create the perfect light for every sales situation. Let's turn the tables. What is the perfect environment for BÄRO lighting systems?**



**J. Manuel von Möller:** For us every environment that presents us with new challenges is good. Then we're in our element and we can showcase our knowledge and skills. For example, a challenge could be directing light to products from a great height, or dealing with different spatial dimensions within a building. Imagine that you have a transition from suspended ceilings to open, hall-like building structures within a premises. How do you manage to ensure that not only is the light evenly distributed, but also that the whole lighting system appears harmonious? This can be done very successfully with a luminaire family such as the EC series. You can cover some areas extremely well with the recessed luminaire, others with the surface-mounted luminaire and yet others with the suspended luminaire – all with a consistent design idiom.

Mr Pattberg, Mr von Möller, thank you for the interview.



# Ontero EC

## SURFACE-MOUNTED LUMINAIRE

Ontero EC is a multi-functional luminaire with a prize-winning design. The surface-mounted luminaire can be rotated and swivelled and moved as required, which means that it is suitable for almost all lighting tasks. The design of the luminaire, which is characterised by smooth transitions from round to angular elements, was awarded the iF label.

Depending on the lighting situation and the desired lighting effect, Ontero EC is available as a passively and an actively cooled version and with various light colours and reflectors. State-of-the-art LED arrays and modern driver technology guarantee perfect light quality and very high efficiency.

The luminaire is also available as a DALI version for integration in a light control system.

# Ontero EC 122

LED passive

**COLOUR CODE** 927 830 835 840

Luminous flux [lm]	2.180	2.900	2.970	3.010
System power [W]	25	25	25	25

**COLOUR SPECTRUM** Sun GoldenBread PearlWhite

Luminous flux [lm]	2.460	2.160	2.420
System power [W]	42	25	25

**COLOUR SPECTRUM** FreshMeat SpecialMeat Fish&Seafood

Luminous flux [lm]	1.180	1.420	1.650
System power [W]	25	25	25

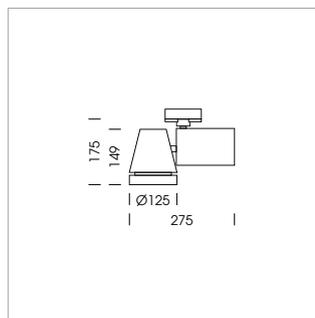


These are the smallest available system wattages and the resulting luminaire luminous fluxes for Spot, Flood and OvalBasic reflectors.

All data are typical values. System features may change with product improvements due to technical advances.

Surface-mounted spotlight with LED, passive cooling, chromaticity point tolerance 3 SDCM (initial), reflector 99.99% pure aluminium in MIRO-SILVER®, pivotable emitter, adjustable luminaire head, die cast aluminium luminaire housing, powder-coated, multi-adap-ter, including glass cover, luminaire colours strato black, silver, white, protection rating IP 20, protection class I, weight 2.1 kg

Luminaire body in RAL colours, filter discs, chrome-plated filter holder and DALI-compatible driver optional



Further information and light distribution curves can be found from page 26 onwards



# Ontero EC 123

LED active

COLOUR CODE	927	830	835	840
Luminous flux [lm]	4.150	5.490	5.630	5.710
System power [W]	53	53	53	53

COLOUR SPECTRUM	Sun	GoldenBread	PearlWhite
Luminous flux [lm]	2.980	4.100	4.580
System power [W]	53	53	53

COLOUR SPECTRUM	FreshMeat	SpecialMeat	Fish&Seafood
Luminous flux [lm]	2.250	2.550	2.970
System power [W]	53	53	53

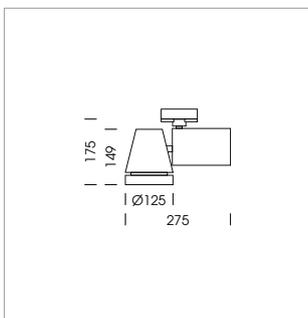


These are the smallest available system wattages and the resulting luminaire luminous fluxes for Spot, Flood and OvalBasic reflectors.

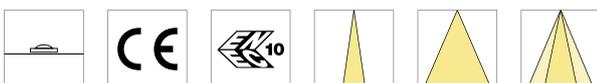
All data are typical values. System features may change with product improvements due to technical advances.

Surface-mounted spotlight with LED, active cooling, chromaticity point tolerance 3 SDCM (initial), reflector 99.99% pure aluminium in MIRO-SILVER®, pivotable emitter, adjustable luminaire head, die cast aluminium luminaire housing, powder-coated, multi-adapter, including glass cover, luminaire colours strato black, silver, white, protection rating IP 20, protection class I, weight 2.1 kg

Luminaire body in RAL colours, filter discs, filter holder chrome-plated and DALI-capable driver optional



Further information and light distribution curves can be found from page 26 onwards





# Intara EC

## SEMI-RECESSED LUMINAIRE

The semi-recessed luminaire Intara EC combines the low-key elegance of a recessed luminaire with the flexibility of a surface-mounted luminaire. It can be pivoted so that even the ceiling is illuminated. It has a 65 degree angle of adjustment and a pivot angle of 170 degrees.

Like Ontero EC, Intara EC is available as a passively and an actively cooled version and with various light colours and reflectors. All models have a built-in lightproof housing. The separate driver unit is supplied with a feed-through wiring set.

# Intara EC 122

LED passive

COLOUR CODE	927	830	835	840
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Luminous flux [lm]	2.180	2.900	2.970	3.010
System power [W]	25	25	25	25

COLOUR SPECTRUM	Sun	GoldenBread	PearlWhite
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Luminous flux [lm]	2.460	2.160	2.420
System power [W]	42	25	25

COLOUR SPECTRUM	FreshMeat	SpecialMeat	Fish&Seafood
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Luminous flux [lm]	1.180	1.420	1.650
System power [W]	25	25	25

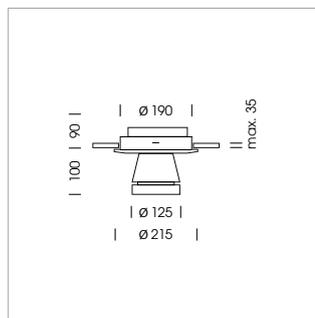


These are the smallest available system wattages and the resulting luminaire luminous fluxes for Spot, Flood and OvalBasic reflectors.

All data are typical values. System features may change with product improvements due to technical advances.

Semi-recessed luminaire with LED, passive cooling, chromaticity point tolerance 3 SDCM (initial), reflector 99.99% pure aluminium in MIRO-SILVER®, infinitely adjustable and pivotable luminaire head, built-in sheet steel housing, lightproof, die-cast aluminium luminaire head, powder coated, separate driver unit, including glass cover, luminaire colours strato black, silver, white, protection rating IP 20, protection class I, weight 2.0 kg

Luminaire body in RAL colours, filter discs, filter holder chrome-plated, mounting accessories and DALI-capable driver optional



Further information and light distribution curves can be found from page 26 onwards



# Intara EC 123

LED active

COLOUR CODE	927	830	835	840
Luminous flux [lm]	4.150	5.490	5.630	5.710
System power [W]	53	53	53	53

COLOUR SPECTRUM	Sun	GoldenBread	PearlWhite
Luminous flux [lm]	2.980	4.100	4.580
System power [W]	53	53	53

COLOUR SPECTRUM	FreshMeat	SpecialMeat	Fish&Seafood
Luminous flux [lm]	2.250	2.550	2.970
System power [W]	53	53	53

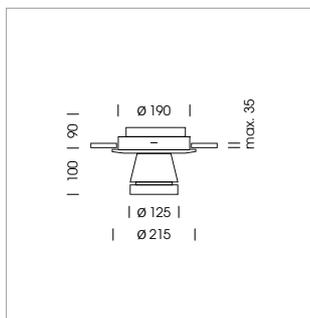


These are the smallest available system wattages and the resulting luminaire luminous fluxes for Spot, Flood and OvalBasic reflectors.

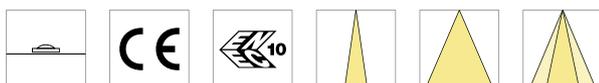
All data are typical values. System features may change with product improvements due to technical advances.

Semi-recessed luminaire with LED, active cooling, chromaticity point tolerance 3 SDCM (initial), reflector 99.99% pure aluminium in MIRO-SILVER®, infinitely adjustable and pivotable luminaire head, built-in sheet steel housing, lightproof, die-cast aluminium luminaire head, powder coated, separate driver unit, including glass cover, luminaire colours strato black, silver, white, protection rating IP 20, protection class I, weight 2.0 kg

Luminaire body in RAL colours, filter discs, filter holder chrome-plated, mounting accessories and DALI-capable driver optional



Further information and light distribution curves can be found from page 26 onwards





# Pendiro EC

## SUSPENDED LUMINAIRE

Pendiro EC is particularly suited to adding accents in shop-fitting concepts. The luminaire is suspended from two thin cables which also supply the electricity, making a separate supply cable superfluous. What's more, a special control mechanism prevents the luminaire head from twisting. Depending on the type of premises in question, Pendiro EC can be attached either with a canopy for mounting in or on ceilings or with a conductor rail. If an eye-catching, decorative lighting solution is desired, the luminaire can be fitted with various attachments and shades without the need for tools.

# Pendiro EC 122

LED passive

COLOUR CODE	927	830	835	840
Luminous flux [lm]	2.180	2.900	2.970	3.010
System power [W]	25	25	25	25

COLOUR SPECTRUM	Sun	GoldenBread	PearlWhite
Luminous flux [lm]	2.460	2.160	2.420
System power [W]	42	25	25

COLOUR SPECTRUM	FreshMeat	SpecialMeat	Fish&Seafood
Luminous flux [lm]	1.180	1.420	1.650
System power [W]	25	25	25

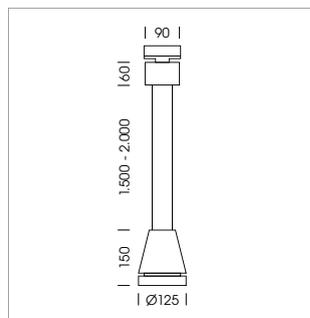
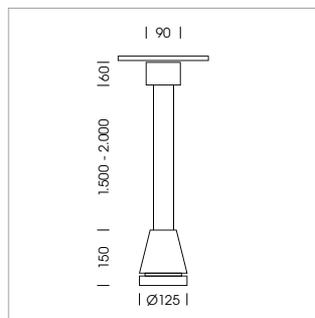
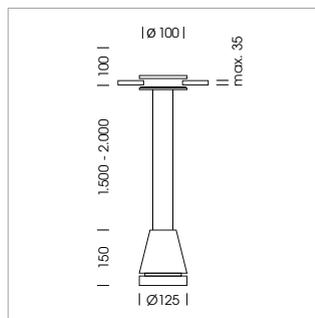


These are the smallest available system wattages and the resulting luminaire luminous fluxes for Spot, Flood and OvalBasic reflectors.

All data are typical values. System features may change with product improvements due to technical advances.

Suspended luminaire with LED, passive cooling, chromaticity point tolerance 3 SDCM (initial), reflector 99.99% pure aluminium in MIRO-SILVER®, die-cast aluminium luminaire head, powder coated, power supply via suspension cable, including glass cover, luminaire colours strato black, silver, white, protection rating IP 20, protection class I, weight 2.1 kg

Luminaire body in RAL colours, filter discs, filter holder chrome-plated, decorative cylinder, decorative metal and fabric shades and DALI-capable driver optional for ceiling installation



Decorative accessories can be found from page 22 onwards, further information and light distribution curves can be found from page 26 onwards





# Decorative accessories

ACRYLIC ATTACHMENTS, METAL SHADES, FABRIC SHADES

The BÄRO portfolio is supplemented by various luminaire attachments and shades for Pendiro EC, expanding the design options for retail lighting projects.

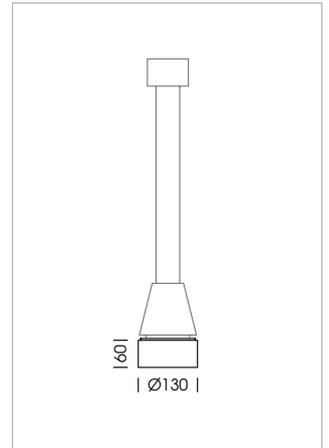
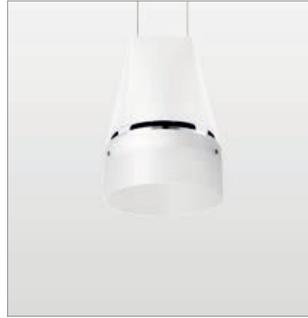
The range comprises satinised, translucent acrylic attachments, metal shades made of antique-look aluminum, steel or sheet steel, and fabric shades made of smooth single-coloured chintz – all in different shapes and colours.

# Pendiro EC

Acrylic attachments

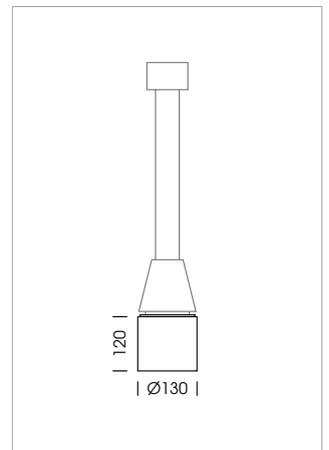
## ACRYLIC ATTACHMENT

Attachment	short
Material	acrylic
Dimensions	130 x 3 x 60 mm
Weight	ca. 0.3 kg
Colour	translucent



## ACRYLIC ATTACHMENT

Attachment	long
Material	acrylic
Dimensions	130 x 3 x 120 mm
Weight	ca. 0.4 kg
Colour	translucent



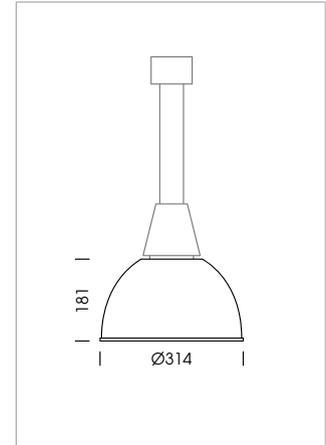
# Pendiro EC

Metal shades

## SHADE

Material Aluminium  
 Dimensions 314 x 134 x 181 mm  
 Weight ca. 0.4 kg

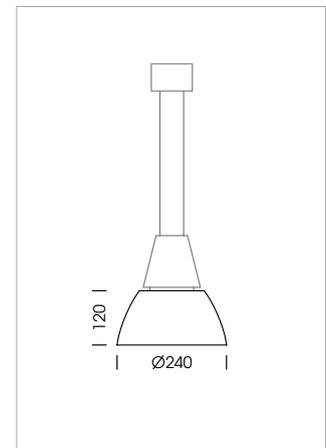
Inside colour painted white  
 Outside colour · strato black  
 · strato silver  
 · powder-coated strato white  
 · RAL and NCS colours on request  
 · Surface alloys  
 Copper . Chrome . Gold  
 Copper, burnished . Nickel, matt . Brass, old



## SHADE

Material Aluminium  
 Dimensions 240 x 142 x 120 mm  
 Weight ca. 0.4 kg

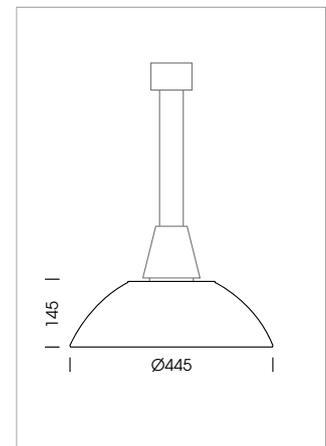
Inside colour painted white  
 Outside colour · strato black  
 · strato silver  
 · powder-coated strato white  
 · RAL and NCS colours on request  
 · Surface alloys  
 Copper . Chrome . Gold  
 Copper, burnished . Nickel, matt . Brass, old



## SHADE

Material Metal shade  
 Dimensions 445 x 186 x 145 mm  
 Weight ca. 0.7 kg

Inside colour painted white  
 Outside colour · strato black  
 · strato silver  
 · powder-coated strato white  
 · RAL and NCS colours on request  
 · Surface alloys  
 Copper . Chrome . Gold  
 Copper, burnished . Nickel, matt . Brass, old

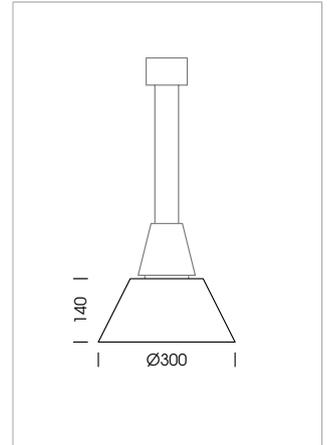


# Pendiro EC

Fabric shades

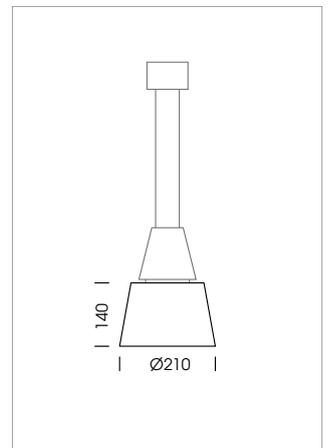
## SHADE

Material Chintz  
 Dimensions 300 x 160 x 140 mm  
 Weight ca. 0.2 kg  
 Inside colour white painted plastic  
 Outside colour Chintz in line with colour sample



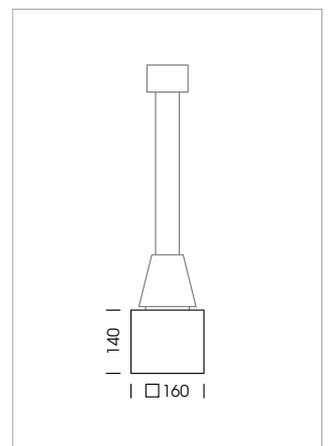
## SHADE

Material Chintz  
 Dimensions 210 x 160 x 140 mm  
 Weight ca. 0.2 kg  
 Inside colour white painted plastic  
 Outside colour Chintz in line with colour sample



## SHADE

Material Chintz  
 Dimensions 160 x 160 x 140 mm  
 Weight ca. 0.2 kg  
 Inside colour white painted plastic  
 Outside colour Chintz in line with colour sample



# Lighting technology

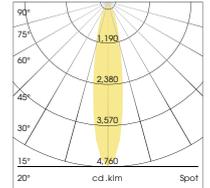
## HT DISTRIBUTION CURVES AND CONE DIAGRAMS

Depending on the application and the light planning requirements, different lighting technologies can be chosen. The EC luminaire series consists of the passively cooled EC 122 and the actively cooled EC 123. Different reflector types are available for these LED models: Flood reflectors are suitable both for illuminating larger areas and for general lighting. Thanks to its oval light distribution pattern, Oval-Basic enables particularly effective illumination of product presentations whilst Spot reflectors are predestined for accent lighting.

In addition to the standard light colours, luminaires are also available in special light colours for the natural and fresh illumination of meat and cold cuts.

# Spot

Spot reflectors have a narrow-type, clearly defined light distribution pattern. They produce high illuminances on a relatively small area and are predestined for accent lighting.



COLOUR CODE*	927	830	835	840
Luminaire luminous flux [lm]	2,180 . 4,580	2,900 . 6,090	2,970 . 6,240	3,010 . 6,340
System power [W]	25 . 61	25 . 61	25 . 61	25 . 61
Illuminance [lx]				
	10,333 . 21,708	13,745 . 28,865	14,077 . 29,576	14,267 . 30,050
	2,583 . 5,427	3,436 . 7,216	3,519 . 7,394	3,567 . 7,513
	1,148 . 2,412	1,527 . 3,207	1,564 . 3,286	1,585 . 3,339
	646 . 1,357	859 . 1,804	880 . 1,849	892 . 1,878
	413 . 868	550 . 1,155	563 . 1,183	571 . 1,202

COLOUR CODE*	Sun	GoldenBread	PearlWhite
Luminaire luminous flux [lm]	2,460 . 2,980	2,160 . 4,100	2,420 . 4,580
System power [W]	42 . 53	25 . 53	25 . 53
Illuminance [lx]			
	12,895 . 15,621	10,238 . 19,433	11,470 . 21,708
	3,224 . 3,905	2,559 . 4,858	2,868 . 5,427
	1,433 . 1,736	1,138 . 2,159	1,274 . 2,412
	806 . 976	640 . 1,215	717 . 1,357
	516 . 625	410 . 777	459 . 868

COLOUR CODE*	FreshMeat	SpecialMeat	Fish & Seafood
Luminaire luminous flux [lm]	1,180 . 2,250	1,420 . 2,550	1,650 . 2,970
System power [W]	25 . 53	25 . 53	25 . 53
Illuminance [lx]			
	5,593 . 10,664	6,730 . 12,086	7,821 . 14,077
	1,398 . 2,666	1,683 . 3,022	1,955 . 3,519
	621 . 1,185	748 . 1,343	869 . 1,564
	350 . 667	421 . 755	489 . 880
	224 . 427	269 . 483	313 . 563

\*Further light colours / LED spectrums on request.

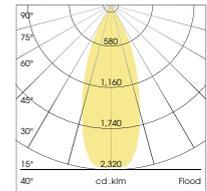
The values specified are the minimum and maximum values available.

Please refer to our data sheets at [www.baero.com](http://www.baero.com) for information on colour rendering, rated lamp lifetime and further technical details. All data are typical values.

System features may change with product improvements due to technical advances. Errors excepted.

# Flood

Flood reflectors have a wide and soft-edged light cone. They are suitable both for illuminating larger surfaces and for general lighting.



COLOUR CODE*	927	830	835	840
Luminaire luminous flux [lm]	2,180 . 4,580	2,900 . 6,090	2,970 . 6,240	3,010 . 6,340
System power [W]	25 . 61	25 . 61	25 . 61	25 . 61
Illuminance [lx]				
	4,234 . 8,896	5,633 . 11,829	5,419 . 12,120	5,847 . 12,315
	1,059 . 2,224	1,408 . 2,957	1,355 . 3,030	1,462 . 3,079
	470 . 988	626 . 1,314	602 . 1,347	650 . 1,368
	265 . 556	352 . 739	339 . 758	365 . 770
	169 . 356	225 . 473	217 . 485	234 . 493

COLOUR CODE*	Sun	GoldenBread	PearlWhite
Luminaire luminous flux [lm]	2,460 . 2,980	2,160 . 4,100	2,420 . 4,580
System power [W]	42 . 53	25 . 53	25 . 53
Illuminance [lx]			
	5,595 . 6,777	4,196 . 7,964	4,701 . 8,896
	1,399 . 1,694	1,049 . 1,991	1,175 . 2,224
	622 . 753	466 . 885	522 . 988
	350 . 424	262 . 498	294 . 556
	224 . 271	168 . 319	188 . 356

COLOUR CODE*	FreshMeat	SpecialMeat	Fish & Seafood
Luminaire luminous flux [lm]	1,180 . 2,250	1,420 . 2,550	1,650 . 2,970
System power [W]	25 . 53	25 . 53	25 . 53
Illuminance [lx]			
	2,292 . 4,370	2,758 . 4,953	3,205 . 5,769
	573 . 1,093	690 . 1,238	801 . 1,442
	255 . 486	306 . 550	356 . 641
	143 . 273	172 . 310	200 . 361
	92 . 175	110 . 198	128 . 231

\*Further light colours / LED spectrums on request.

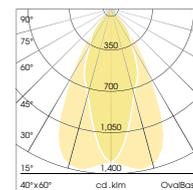
The values specified are the minimum and maximum values available.

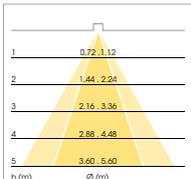
Please refer to our data sheets at [www.baero.com](http://www.baero.com) for information on colour rendering, rated lamp lifetime and further technical details. All data are typical values.

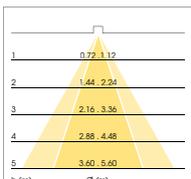
System features may change with product improvements due to technical advances. Errors excepted.

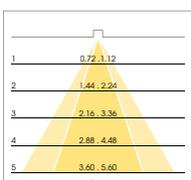
# OvalBasic

OvalBasic reflectors enable wide spacing between luminaires and are ideal for homogeneous illumination of long product displays from a normal room height.



COLOUR CODE*	927	830	835	840
Luminaire luminous flux [lm]	2,180 . 4,580	2,900 . 6,090	2,970 . 6,240	3,010 . 6,340
System power [W]	25 . 61	25 . 61	25 . 61	25 . 61
Illuminance [lx]				
	2,816 . 5,917	3,746 . 7,867	3,837 . 8,061	3,888 . 8,190
	704 . 1,479	937 . 1,967	959 . 2,015	972 . 2,048
	313 . 657	416 . 874	426 . 896	432 . 910
	176 . 370	234 . 492	240 . 504	243 . 512
	113 . 237	150 . 315	153 . 322	156 . 328

COLOUR CODE*	Sun	GoldenBread	PearlWhite
Luminaire luminous flux [lm]	2,430 . 2,980	2,160 . 4,100	2,420 . 4,580
System power [W]	42 . 53	25 . 53	25 . 53
Illuminance [lx]			
	3,542 . 4,286	2,790 . 5,296	3,126 . 5,917
	886 . 1,071	698 . 1,324	782 . 1,479
	394 . 476	310 . 588	347 . 657
	221 . 268	174 . 331	195 . 370
	142 . 171	112 . 212	125 . 237

COLOUR CODE*	FreshMeat	SpecialMeat	Fish & Seafood
Luminaire luminous flux [lm]	1,180 . 2,250	1,420 . 2,550	1,650 . 2,970
System power [W]	25 . 53	25 . 53	25 . 53
Illuminance [lx]			
	1,524 . 2,907	1,834 . 3,294	2,132 . 3,837
	381 . 727	459 . 824	533 . 959
	169 . 323	204 . 366	237 . 426
	95 . 182	115 . 206	133 . 240
	61 . 116	73 . 132	85 . 153

\*Further light colours / LED spectrums on request.

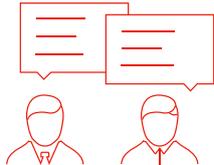
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System features may change with product improvements due to technical advances. Errors excepted.



# BÄRO – Your lighting partner right from the start



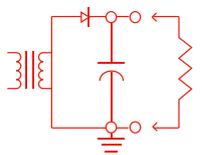
## > ADVICE

A fundamental aspect of our advice is to convey to all those involved in the project the huge potential and the many nuanced possibilities of expression offered by the medium light today thanks to LED technology. Talk to our lighting consultants and find out about the impact that BÄRO products can have in your store – not just in view of effectiveness and efficiency, but also and especially in terms of the emotionality of light.



## > PLANNING

Light can be designed in many different qualities and dimensions. Sophisticated light planning not only supports the dramaturgy of the shopping experience; it also allows the lighting to be perfectly tailored to the different visual tasks and product groups. We are committed to finding a customised, expressive light balance for every concept – through the interplay of light distribution and light channelling, light intensities and light colours.



## > INSTALLATION

Careful and professional installation is just as important as effective and creative lighting planning. BÄRO supports you in the installation and alignment of luminaires on site – so that your customised lighting concept rapidly takes shape and unforeseen issues are quickly resolved. In this way you can be sure that the lighting is perfectly focused on the room and the products.



## > SUPPORT

Our service does not end when your lighting system is put into operation. BÄRO is available for questions and services even after completion of the project – from subsequent adjustments to the concept that only become apparent during operation to straightforward assistance in the unlikely event of a defect. It is not without good reason that we give a 5-year LED guarantee on our products.

## > CONTACT

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