

UNIQUELY DESIGNED, FLEXIBLE AND EFFICIENT LIGHT LINE SYSTEM

# BALDUR

- ✔ Unique combination of both accent and ambient lighting in one design, great aesthetic fit between the light line and the spots: the drivers for the spots are 'hidden' inside the trunk
- ✔ Easy to adapt the configuration of the light line when a changing layout of the environment requires this:
  - Flexibility to place general lighting units, sensors and lighting controls, emergency lighting units and blind covers at specific positions
  - The combination of trunk lengths up to 5,058 mm and the Nordeon ClickFast system enables fast and easy installation
- ✔ Electrical units for three circuit lighting track systems (3C systems) and recessed version available



WIDE VARIETY OF OPTICS, PERFECTLY SUITABLE FOR INDUSTRIAL AND RETAIL ENVIRONMENTS

- UNB** Ultra narrow beam for very narrow high rack applications (25°)\*
- NB** Narrow beam for high halls and high rack areas (32°)\*
- MB** Medium beam for general lighting in open areas best glare control, UGR 19, (74°)\* (MB-O version, slightly opalised\*\*)
- WB** Wide beam for low installation height (88°)\* (WB-O version, slightly opalised\*\*)
- UWB** Ultra wide beam for general lighting and wide aisles (111°)\*
- DA20** Double asymmetrical shelf lighting at regular aisles in retail (2 x 24°) (DA-O version, slightly opalised\*\*)
- DA40** Double asymmetrical shelf lighting at wide aisles in retail (2 x 40°)
- A** Asymmetrical wall washer (25°)
- O** Opal for Fashion / high aestetical standard (96°)\*
- O-DI** Opal direct/indirect for applications with ceiling illumination (116°)\*

\* half-peak  
\*\* for a homogenous light emission



1. Connect trunking sections



2. Select electrical phase at the unit



3. Click lighting unit into trunking line



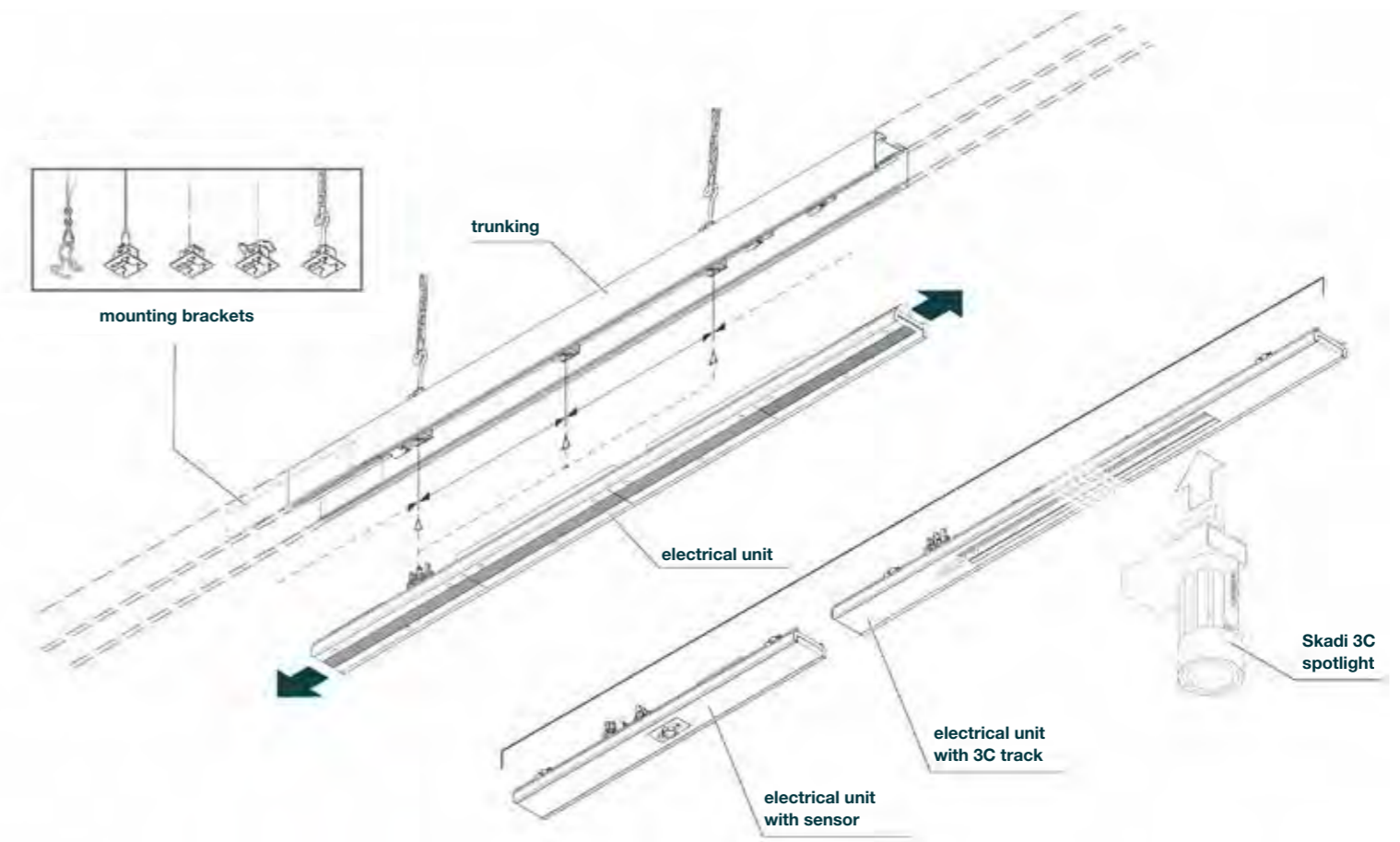
4. All units can be removed and easily placed at other positions when desired

# BALDUR



## GENERAL SPECIFICATIONS

<b>Light unit length</b>	1124 mm (4FT)				
<b>Luminaire luminous flux</b>	3200lm	4000 lm	6000 lm	8000 lm	n.a.
<b>System power (min. at light colour 4000K)</b>	19,5 W	24,5 W	38 W	53 W	n.a.
<b>LED degradation</b>	70.000 h (L80)				
<b>Light unit length</b>	1686 mm (6FT)				
<b>Luminaire luminous flux</b>	4800 lm	6000 lm	9000 lm	12000 lm	16000lm
<b>System power (min. at light colour 4000K)</b>	29 W	36 W	56,5 W	78,5 W	99 W
<b>LED degradation</b>	70.000 h (L80)				100.000 h (L80)
<b>Light unit length</b>	2248 mm (8FT)				
<b>Luminaire luminous flux</b>	6400	8000 lm	12000 lm	16000 lm	21000 lm
<b>System power (min. at light colour 4000K)</b>	37,5 W	49 W	73,5 W	102 W	127 W
<b>LED degradation</b>	70.000 h (L80)				100.000 h (L80)
<b>Light colour</b>	3000 K / 4000 K / 6500 K				
<b>Colour rendering index</b>	CRI > 80; (> 90 on request)				
<b>Optic / light distribution</b>	ultra narrow, narrow , medium , wide, ultra wide, 2 x double asymmetrical and asymmetrical light beams; moreover opal optic and opal with indirect share				
<b>Ambient temperature</b>	- 20°C bis 45°C				
<b>Weight approx.</b>	3.2 kg per meter (including trunking and accessories)				
<b>Additional options</b>	EL3, daylight and presence sensor, Smart Lighting, blindcover (metal or plastic), 3C rails, recessed frame, Skadi at Baldur				
<b>Driver</b>	Standard on/off or DALI, DC suitable				

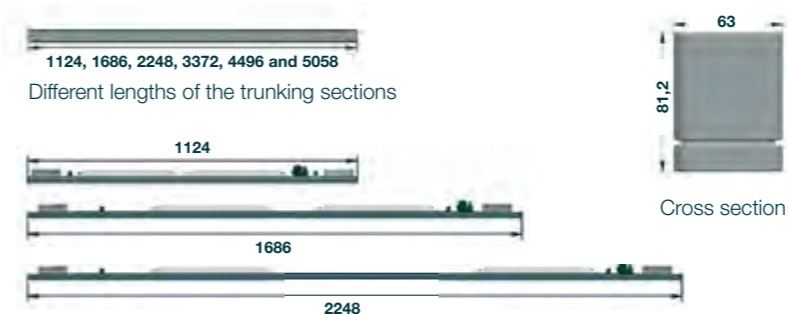


## TRUNKING SECTIONS RANGE

<b>System</b>	1124 mm (4 FT)	1686 mm (6 FT)	2248 mm (8FT)
<b>Throughwiring</b>	5 x 2,5 mm <sup>2</sup> , 7 x 2,5 mm <sup>2</sup> , 9 x 2,5 mm <sup>2</sup> , 11 x 2,5 mm <sup>2</sup>		
<b>Position distance between electrical contacts</b>	2 FT (562 mm) 4 FT (1124 mm)	2 FT (562 mm) 6 FT (1686 mm)	2FT (562 mm) 4FT (1124 mm) 8FT (2248 mm) coming soon
<b>Length of trunking sections</b>	1124 mm (4 FT) 2248 mm (2 x 4 FT) 3372 mm (3 x 4 FT) 4496 mm (4 x 4 FT)	1686 mm (6 FT) 3372 mm (2 x 6 FT) 5058 mm (3 x 6 FT)	2248 mm (8 FT) 4496 mm (2 x 8 FT)
<b>Material / cover</b>	white (RAL9016), black (RAL9005) or silver (RAL9006) coated steel		

## DIMENSIONAL DRAWING

All measures in millimeter



Baldur units

### BALDUR CONFIGURATION MATRIX

**SYSTEM LENGTH 1686 MM (6 FT)**

Length of light line (meter)	Light units 1686 mm	Trunking sections			Mounting brackets	Coupling pieces between trunking	Power sets incl. two end caps
		1686 mm	3372 mm	50558 mm			
1,69	1	1			2	0	1
3,37	2		1		2	0	1
5,06	3			1	2	0	1
6,74	4		2		3	1	1
8,43	5		1	1	3	1	1
10,12	6			2	4	1	1
11,8	7		2	1	4	2	1
13,49	8		1	2	5	2	1
15,17	9			3	6	2	1
16,86	10		2	2	6	3	1
18,55	11		1	3	7	3	1
20,23	12			4	7	3	1
21,92	13		2	3	8	4	1
23,60	14		1	4	8	4	1
25,29	15			5	9	4	1
26,98	16		2	4	9	5	1
28,66	17		1	5	10	5	1
30,35	18			6	11	5	1

**SYSTEM LENGTH 2248 MM (8FT)**

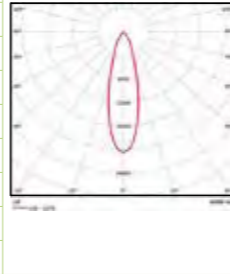
Length of light line (meter)	Light units 2248 mm	Trunking sections		Mounting brackets	Coupling pieces between trunking	Power sets incl. two end caps
		2248 mm	4496 mm			
2,25	1	1		2	0	1
4,50	2		1	2	0	1
6,74	3	1	1	3	1	1
8,99	4		2	4	1	1
11,24	5	1	2	5	2	1
13,49	6		3	6	2	1
15,74	7	1	3	7	3	1
17,98	8		4	7	3	1
20,23	9	1	4	8	4	1
22,48	10		5	9	4	1
24,73	11	1	5	10	5	1
26,98	12		6	10	5	1
29,22	13	1	6	11	6	1
31,47	14		7	12	6	1
33,72	15	1	7	13	7	1
35,97	16		8	13	7	1
38,21	17	1	8	14	8	1
40,46	18		9	15	8	1

PREFERRED SELECTION FOR LIGHTING UNITS

ULTRA NARROW BEAM (UNB) → FOR VERRY HIGH AND NARROW RACKS

Installation height	> 12 m					
$I_{max/2}$ (half peak) / $UGR_{4thh}$ (glare control)	2 x 12,5° (25°), UGR12 (for 6000lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD UNB L1686 WH	29,0	4800	166	4000	> 80	2004947
Baldur 6000LM 840 STD UNB L1686 WH	36,0	6000	167	4000	> 80	92018116
Baldur 9000LM 840 STD UNB L1686 WH	56,5	9000	159	4000	> 80	92018117
Baldur 12000LM 840 STD UNB L1686 WH	78,5	12000	153	4000	> 80	92018118
Baldur 6400LM 840 STD UNB L2248 WH	37,5	6400	171	4000	> 80	92018597
Baldur 8000LM 840 STD UNB L2248 WH	49	8000	163	4000	> 80	92018123
Baldur 12000LM 840 STD UNB L2248 WH	73,5	12000	163	4000	> 80	92018124
Baldur 16000LM 840 STD UNB L2248 WH	102	16000	157	4000	> 80	92017965

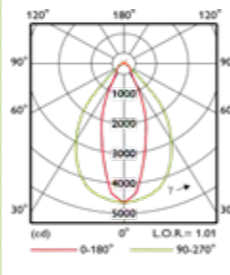
Available: SI, BK, DALI, 830, EL3



NARROW BEAM (NB) → FOR HIGH HALLS AND HIGH RACK AREAS (32°)

Installation height	6-12 m					
$I_{max/2}$ (half peak) / $UGR_{4thh}$ (glare control)	2 x 16° (32°), UGR22 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD NB L1686 WH	29,0	4800	166	4000	> 80	911118162207
Baldur 6000LM 840 STD NB L1686 WH	36,0	6000	167	4000	> 80	911118162209
Baldur 9000LM 840 STD NB L1686 WH	56,5	9000	159	4000	> 80	911118162211
Baldur 12000LM 840 STD NB L1686 WH	78,5	12000	153	4000	> 80	2005584
Baldur 16000LM 840 STD NB L1686 WH	99,0	16000	162	4000	> 80	92017966
Baldur 6400LM 840 STD NB L2248 WH	37,5	6400	171	4000	> 80	92018593
Baldur 8000LM 840 STD NB L2248 WH	49	8000	163	4000	> 80	92018636
Baldur 12000LM 840 STD NB L2248 WH	73,5	12000	163	4000	> 80	92018678
Baldur 16000LM 840 STD NB L2248 WH	102	16000	157	4000	> 80	92018722
Baldur 21000LM 840 STD NB L2248 WH	127	21000	165	4000	> 80	92017978

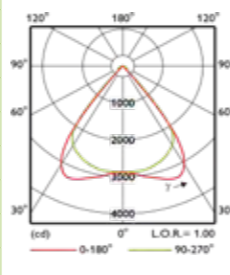
Available: SI, BK, DALI, 830, EL3



MEDIUM BEAM (MB) → FOR GENERAL LIGHTING IN OPEN AREAS BEST GLARE CONTROL (74°)

Installation height	5-7 m					
$I_{max/2}$ (half peak) / $UGR_{4thh}$ (glare control)	2 x 37° (74°), UGR19 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD MB L1686 WH	29,0	4800	166	4000	> 80	911118161207
Baldur 6000LM 840 STD MB L1686 WH	36,0	6000	167	4000	> 80	911118161209
Baldur 9000LM 840 STD MB L1686 WH	56,5	9000	159	4000	> 80	911118161211
Baldur 12000LM 840 STD MB L1686 WH	78,5	12000	153	4000	> 80	2005578
Baldur 16000LM 840 STD MB L1686 WH	99,0	16000	162	4000	> 80	92018429
Baldur 6400LM 840 STD MB L2248 WH	37,5	6400	171	4000	> 80	92018587
Baldur 8000LM 840 STD MB L2248 WH	49	8000	163	4000	> 80	92018632
Baldur 12000LM 840 STD MB L2248 WH	73,5	12000	163	4000	> 80	92017976
Baldur 16000LM 840 STD MB L2248 WH	102	16000	157	4000	> 80	92017977
Baldur 21000LM 840 STD MB L2248 WH	127	21000	165	4000	> 80	92018760

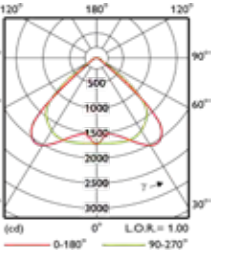
Available: SI, BK, DALI, 830, EL3



WIDE BEAM (WB) → FOR LOW INSTALLATION HEIGHT (88°)

Installation height	3-5 m					
$I_{max/2}$ (half peak) / $UGR_{4thh}$ (glare control)	2 x 44° (88°), UGR22 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD WB L1686 WH	29,0	4800	166	4000	> 80	911118160207
Baldur 6000LM 840 STD WB L1686 WH	36,0	6000	167	4000	> 80	911118160209
Baldur 9000LM 840 STD WB L1686 WH	56,5	9000	159	4000	> 80	911118160211
Baldur 12000LM 840 STD WB L1686 WH	78,5	12000	153	4000	> 80	2005608
Baldur 16000LM 840 STD WB L1686 WH	99,0	16000	162	4000	> 80	92017470
Baldur 6400LM 840 STD WB L2248 WH	37,5	6400	171	4000	> 80	92017974
Baldur 8000LM 840 STD WB L2248 WH	49	8000	163	4000	> 80	92017975
Baldur 12000LM 840 STD WB L2248 WH	73,5	12000	163	4000	> 80	92018673
Baldur 16000LM 840 STD WB L2248 WH	102	16000	157	4000	> 80	92018717
Baldur 21000LM 840 STD WB L2248 WH	127	21000	165	4000	> 80	92018762

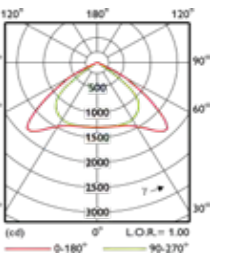
Available: SI, BK, DALI, 830, EL3



ULTRA WIDE BEAM (UWB) → FOR GENERAL LIGHTING AND WIDE AISLES (111°)

Installation height	< 3 m					
$I_{max/2}$ (half peak) / $UGR_{4thh}$ (glare control)	2 x 55° (111°), UGR25 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD UWB L1686 WH	29,0	4800	166	4000	> 80	911118166207
Baldur 6000LM 840 STD UWB L1686 WH	36,0	6000	167	4000	> 80	911118166209
Baldur 9000LM 840 STD UWB L1686 WH	56,5	9000	159	4000	> 80	911118166211
Baldur 12000LM 840 STD UWB L1686 WH	78,5	12000	153	4000	> 80	2005602
Baldur 16000LM 840 STD UWB L1686 WH	99,0	16000	162	4000	> 80	92018431
Baldur 6400LM 840 STD UWB L2248 WH	37,5	6400	171	4000	> 80	92018590
Baldur 8000LM 840 STD UWB L2248 WH	49	8000	163	4000	> 80	92018634
Baldur 12000LM 840 STD UWB L2248 WH	73,5	12000	163	4000	> 80	92018675
Baldur 16000LM 840 STD UWB L2248 WH	102	16000	157	4000	> 80	92018719
Baldur 21000LM 840 STD UWB L2248 WH	127	21000	165	4000	> 80	92018764

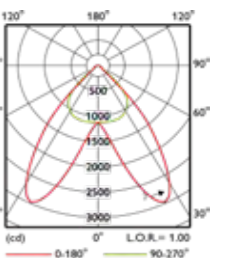
Available: SI, BK, DALI, 830, EL3



DOUBLE ASYMMETRICAL → (DA) FOR AISLE LIGHTING (2 X 24°)

Typische Installationshöhe	3-3.5 m height, aisle width approx. 2 m					
$I_{max/2}$ (Halbstreuwinkel) / $UGR_{4thh}$ (Blendungswert)	$I_{max}$ at 2 x 24°, UGR22 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>s</sub> )	Order number
Baldur 4800LM 840 STD DA20 L1686 WH	29,0	4800	166	4000	> 80	911118163207
Baldur 6000LM 840 STD DA20 L1686 WH	36,0	6000	167	4000	> 80	911118163209
Baldur 9000LM 840 STD DA20 L1686 WH	56,5	9000	159	4000	> 80	911118163211
Baldur 12000LM 840 STD DA20 L1686 WH	78,5	12000	153	4000	> 80	2005566
Baldur 16000LM 840 STD DA20 L1686 WH	99,0	16000	162	4000	> 80	92018432
Baldur 6400LM 840 STD DA20 L2248 WH	37,5	6400	171	4000	> 80	92018591
Baldur 8000LM 840 STD DA20 L2248 WH	49	8000	163	4000	> 80	92018635
Baldur 12000LM 840 STD DA20 L2248 WH	73,5	12000	163	4000	> 80	92018676
Baldur 16000LM 840 STD DA20 L2248 WH	102	16000	157	4000	> 80	92018720
Baldur 21000LM 840 STD DA20 L2248 WH	127	21000	165	4000	> 80	92018765

Available: SI, BK, DALI, 830

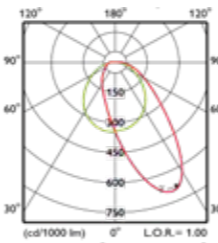


PREFERRED SELECTION FOR LIGHTING UNITS

ASYMMETRICAL (A) → ASYMMETRICAL WALL WASHER (25°)

Installation height	3-5 m					
$I_{max/2}$ (half peak) / UGR <sub>4hsh</sub> (glare control)	$I_{max}$ at approx. 25°					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>a</sub> )	Order number
Baldur 4800LM 840 STD A20 L1686 WH	30,5	4800	157	4000	> 80	911118165207
Baldur 6000LM 840 STD A20 L1686 WH	38,5	6000	156	4000	> 80	911118165209
Baldur 9000LM 840 STD A20 L1686 WH	61,0	9000	148	4000	> 80	911118165211
Baldur 12000LM 840 STD A20 L1686 WH	81,5	12000	147	4000	> 80	2005563
Baldur 16000LM 840 STD A20 L1686 WH	105,0	16000	152	4000	> 80	92018436
Baldur 6400LM 840 STD A20 L2248 WH	40,5	6400	158	4000	> 80	92018596
Baldur 8000LM 840 STD A20 L2248 WH	51,5	8000	155	4000	> 80	92018638
Baldur 12000LM 840 STD A20 L2248 WH	79,0	12000	152	4000	> 80	92018681
Baldur 16000LM 840 STD A20 L2248 WH	107,0	16000	150	4000	> 80	92018725
Baldur 21000LM 840 STD A20 L2248 WH	136,0	21000	154	4000	> 80	92018769

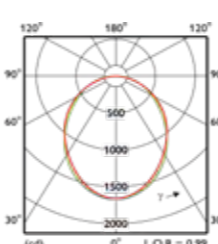
Available: SI, BK, DALI, 830, EL3



OPAL (O) → FOR FASHION / HIGH AESTHETIC STANDARD (96°)

Installation height	approx. 3 m					
$I_{max/2}$ (half peak) / UGR <sub>4hsh</sub> (glare control)	2 x 48° (96°), UGR27 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>a</sub> )	Order number
Baldur 4800LM 840 STD O L1686 WH	32,5	4800	148	4000	> 80	911118167207
Baldur 6000LM 840 STD O L1686 WH	41,0	6000	146	4000	> 80	911118167209
Baldur 9000LM 840 STD O L1686 WH	64,0	9000	141	4000	> 80	911118167211
Baldur 12000LM 840 STD O L1686 WH	81,5	11000	135	4000	> 80	2005590
Baldur 16000LM 840 STD O L1686 WH	113,0	16000	142	4000	> 80	92018434
Baldur 6400LM 840 STD O L2248 WH	43,0	6400	149	4000	> 80	92018594
Baldur 8000LM 840 STD O L2248 WH	56,0	8000	143	4000	> 80	92018637
Baldur 12000LM 840 STD O L2248 WH	83,0	12000	145	4000	> 80	92018679
Baldur 16000LM 840 STD O L2248 WH	107,0	15000	140	4000	> 80	92018723
Baldur 21000LM 840 STD O L2248 WH	144,0	21000	146	4000	> 80	92018767

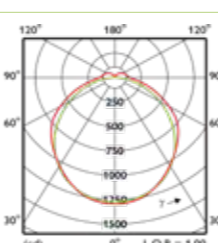
Available: SI, BK, DALI, 830, EL3



OPAL DIRECT/INDIRECT (O-DI) → FOR RETAIL AND INDUSTRY WITH CEILING ILLUMINATION (116°)

Typische Installationshöhe	depends on application					
$I_{max/2}$ (Halbstreuwinkel) / UGR <sub>4hsh</sub> (Blendungswert)	2 x 58° (116°), UGR25 (for 6000 lm at 1686 mm)					
Type	System power (W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Color temperature (K)	CRI (R <sub>a</sub> )	Order number
Baldur 4800LM 840 STD O-DI L1686 WH	32,5	4800	148	4000	> 80	911118168207
Baldur 6000LM 840 STD O-DI L1686 WH	41,0	6000	146	4000	> 80	911118168209
Baldur 9000LM 840 STD O-DI L1686 WH	64,0	9000	141	4000	> 80	911118168211
Baldur 12000LM 840 STD O-DI L1686 WH	81,5	11000	135	4000	> 80	2005596
Baldur 16000LM 840 STD O-DI L1686 WH	113,0	16000	142	4000	> 80	92018435

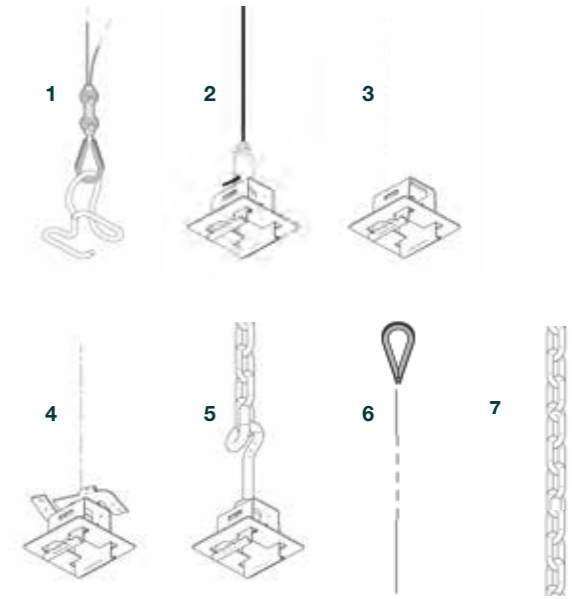
Available: SI, BK, DALI, 830, EL3



BALDUR ACCESSORIES

Type	Order number	Index
BALDUR MB-E	911118190101	1
BALDUR/BRAGI MB-SWA	911118190004	2
BALDUR/BRAGI MB-SFM	911118190002	3
BALDUR/BRAGI MB-TPR	911118190003	4
BALDUR/BRAGI MB-RT	911118190005	5
BALDUR Steel Cable / grommet D2 L1250	911118194001	6
BALDUR Steel Cable / grommet D2 L3000	911118194002	6
BALDUR Steel Cable / grommet D2 L6000	911118194003	6
BALDUR chain DIN5686	911118100019	7

Available: Silver (SI), Black (BK)



Type	Order number	Index
BALDUR CP	911118191001	7.1
BALDUR T EP-SET 5/7 WIRES WH	911118192101	8
BALDUR T EP-SET 5/7 WIRES O-DI WH	911118192103	8
BALDUR T EP-SET 9/11 WIRES WH	911118192102	9
BALDUR T EP-SET 9/11 WIRES O-DI WH	911118192104	9
BALDUR T CORNER FIXATION PLATE L	911118191002	10
BALDUR T CORNER FIXATION PLATE T	911118191003	11
BALDUR T CORNER FIXATION PLATE X	911118191004	12
BALDUR T MAINS OUT/MAINS IN CONNECT SET	911118192001	13
BALDUR 3C L1124 WH	911118196101	14
BALDUR BC 2FT/L560 WH	911118193102	15
BALDUR BC 4FT/L1124 WH	911118193103	15
BALDUR BC 6FT/L1686 WH	911118193104	15

