

UNIQUELY DESIGNED, FLEXIBLE AND EFFICIENT LIGHT LINE SYSTEM

BALDUR



reddot award 2015
winner lighting design



2014
winner lighting design





- ✔ 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


- 


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°)*
- 

DA Double asymmetrical for aisle lighting (2 x 24°) (DA-O version, slightly opalised**)
- 

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 easlily placed at other positions when desired

BALDUR

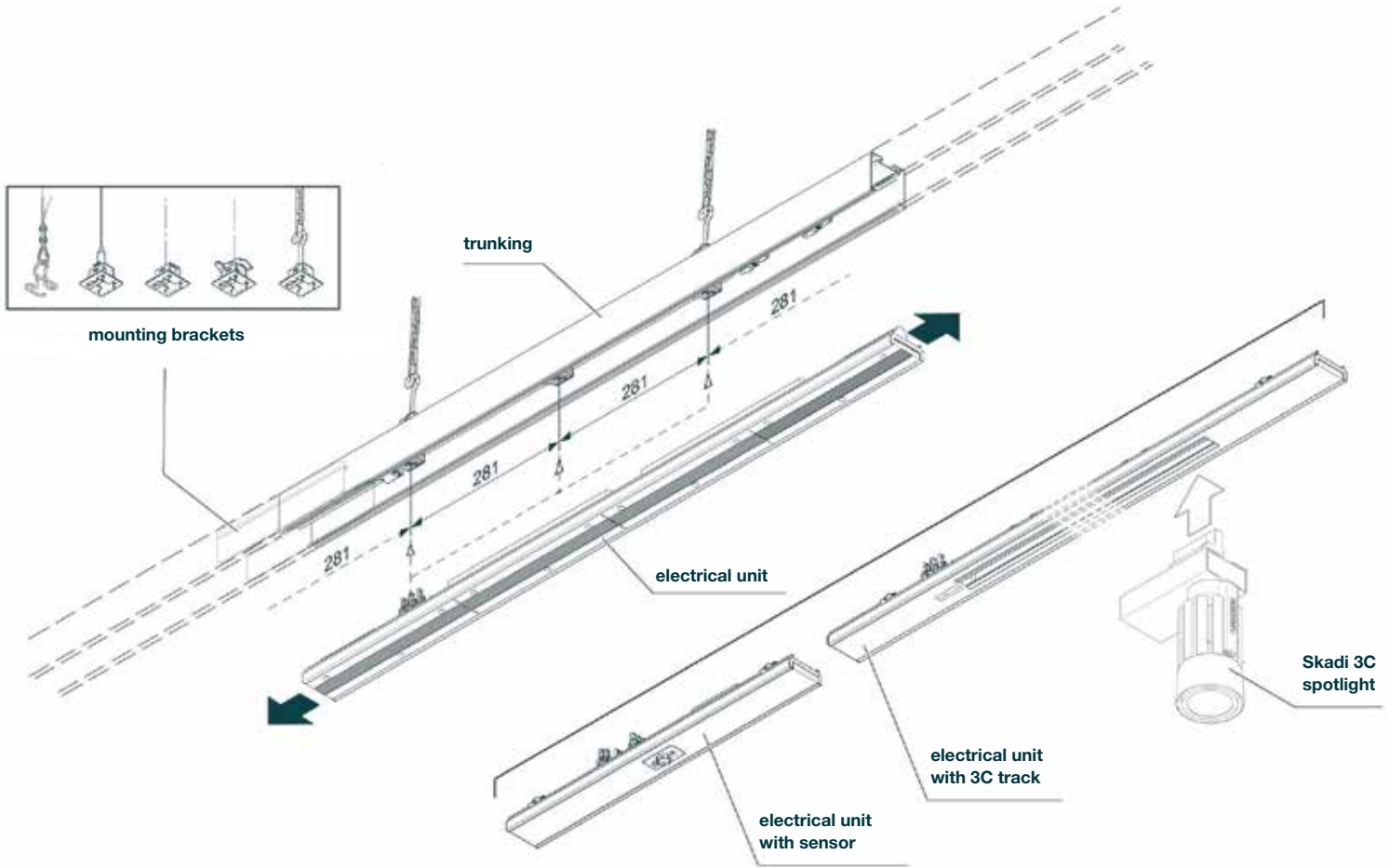


GENERAL SPECIFICATIONS

| Light unit length | 1124 mm (4 FT) | | | | | 1686 mm (6 FT) | | | | |
|-----------------------------------|--|-----------|-----------------|---------|---------|--|-------------|-----------------|----------|-----------|
| Luminous flux | 3200 lm | 4000 lm | 6000 lm | 8000 lm | 10700* | 4800 lm | 6000 lm | 9000 lm | 12000 lm | 16000 lm* |
| System power | 20-23.5 W | 25.5-30 W | 42-49 W | 58-69 W | 67-80 W | 30-35 W | 38.5-44.5 W | 63-73.5 W | 87-104 W | 99-120 W |
| Colour temperature | 3000 K / 4000 K / 6500 K | | | | | | | | | |
| CRI | R _a > 80; (> 90 on request) | | | | | | | | | |
| Optic / light distribution | narrow , medium , wide, ultra-wide, double asymmetrical and asymmetrical light beams, moreover opal optic and opal with indirect share | | | | | | | | | |
| Lifetime | 70.000 h (L80B10) | | 50.000 h (L80) | | | 70.000 h (L80B10) | | 50.000 h (L80) | | |
| Operating temp. | -20 °C to 35 °C (-45 °C on request) | | -20 °C to 35 °C | | | -20 °C to 35 °C (-45 °C on request) | | -20 °C to 35 °C | | |
| Weight approx. | 3.2 kg per meter (including trunking and accessories) | | | | | | | | | |
| Additional | EL3, daylight and presence sensor, blindcover (metal or plastic), 3C rails, recessed frame, Skadi on Baldur | | | | | | | | | |
| Driver | STD standard or DALI dimming, DC suitable | | | | | | | | | |

* preliminary values





TRUNKING SECTIONS RANGE

| | | |
|--|--|---|
| System | 1124 mm (4 FT) | 1686 mm (6 FT) |
| Throughwiring | 5 x 2.5 mm ² , 7 x 2.5 mm ² , 9 x 2.5 mm ² , 11 x 2.5 mm ² | |
| Position distance between electrical contacts | 1 FT (281 mm) 2 FT (562 mm) 4 FT (1124 mm) | 1 FT (281 mm) 2 FT (562 mm) 6 FT (1686 mm) |
| Length of trunking sections | 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), new |
| Material / cover | 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 | 5058 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 |

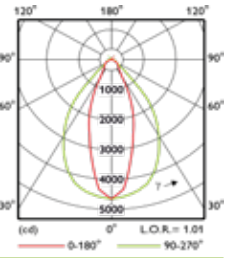
SYSTEM LENGTH 1124 MM (4 FT)

| Length of light line (meter) | Light units 1124 mm | Trunking sections | | | | Mounting brackets | Coupling pieces between trunking | Power sets incl. two end caps |
|------------------------------|---------------------|-------------------|---------|---------|---------|-------------------|----------------------------------|-------------------------------|
| | | 1124 mm | 2248 mm | 3372 mm | 4496 mm | | | |
| 1.12 | 1 | 1 | | | | 2 | 0 | 1 |
| 2.25 | 2 | | 1 | | | 2 | 0 | 1 |
| 3.37 | 3 | | | 1 | | 2 | 0 | 1 |
| 4.5 | 4 | | | | 1 | 2 | 0 | 1 |
| 5.62 | 5 | | 1 | 1 | | 2 | 1 | 1 |
| 6.74 | 6 | | 1 | | 1 | 3 | 1 | 1 |
| 7.87 | 7 | | | 1 | 1 | 3 | 1 | 1 |
| 8.99 | 8 | | | | 2 | 3 | 1 | 1 |
| 10.12 | 9 | | | 3 | | 4 | 2 | 1 |
| 11.24 | 10 | | 1 | | 2 | 4 | 2 | 1 |
| 12.36 | 11 | | | 1 | 2 | 5 | 2 | 1 |
| 13.49 | 12 | | | | 3 | 5 | 2 | 1 |
| 14.61 | 13 | | 1 | 1 | 2 | 5 | 3 | 1 |
| 15.74 | 14 | | 1 | | 3 | 6 | 3 | 1 |
| 16.86 | 15 | | | 1 | 3 | 6 | 3 | 1 |
| 17.98 | 16 | | | | 4 | 6 | 3 | 1 |
| 19.11 | 17 | | | 3 | 2 | 7 | 4 | 1 |
| 20.23 | 18 | | 1 | | 4 | 7 | 4 | 1 |

NARROW BEAM (NB)

FOR HIGH HALLS AND HIGH RACK AREAS (32°)

| Installation height | 6-12 m | | | | | |
|---|---|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| $I_{max/2}$ (half peak) / UGR _{4h8h} (glare control) | 2 x 16° (32°), UGR22 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD NB L1124 WH | 20.0 | 3200 | 160 | 4000 | >80 | 4250854105437 |
| BALDUR 4000LM 840 STD NB L1124 WH | 25.5 | 4000 | 157 | 4000 | >80 | 4250854105451 |
| BALDUR 6000LM 840 STD NB L1124 WH | 42.0 | 6000 | 143 | 4000 | >80 | 4250854105475 |
| BALDUR 4800LM 840 STD NB L1686 WH | 30.0 | 4800 | 160 | 4000 | >80 | 4250854105499 |
| BALDUR 6000LM 840 STD NB L1686 WH | 38.5 | 6000 | 156 | 4000 | >80 | 4250854105512 |
| BALDUR 9000LM 840 STD NB L1686 WH | 63.0 | 9000 | 143 | 4000 | >80 | 4250854105536 |
| BALDUR 12000LM 840 STD NB L1686 WH | 87.0 | 12000 | 138 | 4000 | >80 | 4250854166148 |
| BALDUR 16000LM 840 STD NB L1686 WH* | 99.0 | 16000 | 162 | 4000 | >80 | from January 2019 |

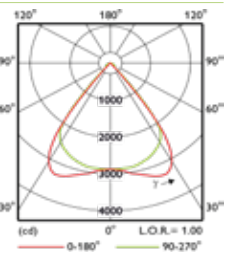


Available: SI, BK, DALI, 830, EL3

MEDIUM BEAM (MB)

FOR GENERAL LIGHTING IN OPEN AREAS BEST GLARE CONTROL (74°)

| Installation height | 5-7 m | | | | | |
|---|---|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| $I_{max/2}$ (half peak) / UGR _{4h8h} (glare control) | 2 x 37° (74°), UGR19 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD MB L1124 WH | 20.0 | 3200 | 160 | 4000 | >80 | 4250854104638 |
| BALDUR 4000LM 840 STD MB L1124 WH | 25.5 | 4000 | 157 | 4000 | >80 | 4250854104652 |
| BALDUR 6000LM 840 STD MB L1124 WH | 42.0 | 6000 | 143 | 4000 | >80 | 4250854104676 |
| BALDUR 4800LM 840 STD MB L1686 WH | 30.0 | 4800 | 160 | 4000 | >80 | 4250854104690 |
| BALDUR 6000LM 840 STD MB L1686 WH | 38.5 | 6000 | 156 | 4000 | >80 | 4250854104713 |
| BALDUR 9000LM 840 STD MB L1686 WH | 63.0 | 9000 | 143 | 4000 | >80 | 4250854104737 |
| BALDUR 12000LM 840 STD MB L1686 WH | 87.0 | 12000 | 138 | 4000 | >80 | 4250854166087 |
| BALDUR 16000LM 840 STD MB L1686 WH* | 99.0 | 16000 | 162 | 4000 | >80 | from January 2019 |

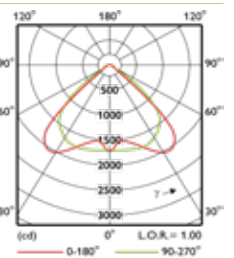


Available: SI, BK, DALI, 830, EL3

WIDE BEAM (WB)

FOR LOW INSTALLATION HEIGHT (88°)

| Installation height | 3-5 m | | | | | |
|---|---|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| $I_{max/2}$ (half peak) / UGR _{4h8h} (glare control) | 2 x 44° (88°), UGR22 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD WB L1124 WH | 20.0 | 3200 | 160 | 4000 | >80 | 4250854103914 |
| BALDUR 4000LM 840 STD WB L1124 WH | 25.5 | 4000 | 157 | 4000 | >80 | 4250854103938 |
| BALDUR 6000LM 840 STD WB L1124 WH | 42.0 | 6000 | 143 | 4000 | >80 | 4250854103952 |
| BALDUR 4800LM 840 STD WB L1686 WH | 30.0 | 4800 | 160 | 4000 | >80 | 4250854103976 |
| BALDUR 6000LM 840 STD WB L1686 WH | 38.5 | 6000 | 156 | 4000 | >80 | 4250854103990 |
| BALDUR 9000LM 840 STD WB L1686 WH | 63.0 | 9000 | 143 | 4000 | >80 | 4250854104010 |
| BALDUR 12000LM 840 STD WB L1686 WH | 87.0 | 12000 | 138 | 4000 | >80 | 4250854166384 |
| BALDUR 16000LM 840 STD WB L1686 WH* | 99.0 | 16000 | 162 | 4000 | >80 | from January 2019 |

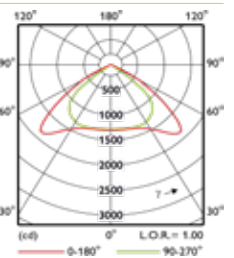


Available: SI, BK, DALI, 830, EL3

ULTRA WIDE BEAM (UWB)

FOR GENERAL LIGHTING AND WIDE AISLES (111°)

| Installation height | < 3 m | | | | | |
|---|--|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| $I_{max/2}$ (half peak) / UGR _{4h8h} (glare control) | 2 x 55° (111°), UGR25 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD UWB L1124 WH | 20.0 | 3200 | 160 | 4000 | >80 | 4250854129921 |
| BALDUR 4000LM 840 STD UWB L1124 WH | 25.5 | 4000 | 157 | 4000 | >80 | 4250854129945 |
| BALDUR 6000LM 840 STD UWB L1124 WH | 42.0 | 6000 | 143 | 4000 | >80 | 4250854129969 |
| BALDUR 4800LM 840 STD UWB L1686 WH | 30.0 | 4800 | 160 | 4000 | >80 | 4250854129983 |
| BALDUR 6000LM 840 STD UWB L1686 WH | 38.5 | 6000 | 156 | 4000 | >80 | 4250854130002 |
| BALDUR 9000LM 840 STD UWB L1686 WH | 63.0 | 9000 | 143 | 4000 | >80 | 4250854130026 |
| BALDUR 12000LM 840 STD UWB L1686 WH | 87.0 | 12000 | 138 | 4000 | >80 | 4250854166322 |
| BALDUR 16000LM 840 STD UWB L1686 WH* | 99.0 | 16000 | 162 | 4000 | >80 | from January 2019 |



Available: SI, BK, DALI, 830, EL3

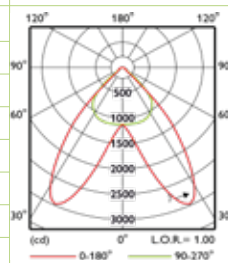
* Preliminary values for 16000lm "high performer"

DOUBLE ASYMMETRICAL (DA)

FOR AISLE LIGHTING (2 x 24°)

| Installation height | 3-3.5 m height, aisle width approx. 2 m | | | | | |
|---|---|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| I_{max} / UGR_{4h8h} (glare control) | I _{max} at 2 x 24°, UGR22 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD DA20 L1124 WH | 20.0 | 3200 | 160 | 4000 | >80 | 4250854106151 |
| BALDUR 4000LM 840 STD DA20 L1124 WH | 25.5 | 4000 | 157 | 4000 | >80 | 4250854106175 |
| BALDUR 6000LM 840 STD DA20 L1124 WH | 42.0 | 6000 | 143 | 4000 | >80 | 4250854106199 |
| BALDUR 4800LM 840 STD DA20 L1686 WH | 30.0 | 4800 | 160 | 4000 | >80 | 4250854106212 |
| BALDUR 6000LM 840 STD DA20 L1686 WH | 38.5 | 6000 | 156 | 4000 | >80 | 4250854106236 |
| BALDUR 9000LM 840 STD DA20 L1686 WH | 63.0 | 9000 | 143 | 4000 | >80 | 4250854106250 |
| BALDUR 12000LM 840 STD DA20 L1686 WH | 87.0 | 12000 | 138 | 4000 | >80 | 4250854165967 |
| BALDUR 16000LM 840 STD DA20 L1686 WH* | 99.0 | 16000 | 162 | 4000 | >80 | from January 2019 |

Available: SI, BK, DALI, 830, EL3

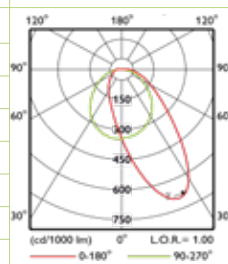


ASYMMETRICAL (A)

ASYMMETRICAL WALL WASHER (25°)

| Installation height | 3-5 m | | | | | |
|---|---------------------------------|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| I_{max/2} (half peak) / UGR_{4h8h} (glare control) | I _{max} at approx. 25° | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD A20 L1124 WH | 22.5 | 3200 | 142 | 4000 | >80 | 4250854107592 |
| BALDUR 4000LM 840 STD A20 L1124 WH | 28.5 | 4000 | 140 | 4000 | >80 | 4250854107615 |
| BALDUR 6000LM 840 STD A20 L1124 WH | 47.0 | 6000 | 128 | 4000 | >80 | 4250854107639 |
| BALDUR 4800LM 840 STD A20 L1686 WH | 33.5 | 4800 | 143 | 4000 | >80 | 4250854107653 |
| BALDUR 6000LM 840 STD A20 L1686 WH | 43.0 | 6000 | 140 | 4000 | >80 | 4250854107677 |
| BALDUR 9000LM 840 STD A20 L1686 WH | 69.5 | 9000 | 129 | 4000 | >80 | 4250854107691 |
| BALDUR 12000LM 840 STD A20 L1686 WH | 93.0 | 12000 | 129 | 4000 | >80 | 4250854165936 |
| BALDUR 16000LM 840 STD A20 L1686 WH* | 106.0 | 16000 | 151 | 4000 | >80 | from January 2019 |

Available: SI, BK, DALI, 830

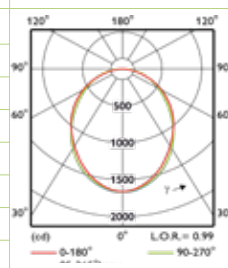


OPAL (O)

FOR FASHION / HIGH AESTHETIC STANDARD (96°)

| Installation height | approx. 3 m | | | | | |
|---|---|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| I_{max/2} (half peak) / UGR_{4h8h} (glare control) | 2 x 48° (96°), UGR27 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD O L1124 WH | 22.5 | 3200 | 142 | 4000 | >80 | 4250854121253 |
| BALDUR 4000LM 840 STD O L1124 WH | 28.5 | 4000 | 140 | 4000 | >80 | 4250854121277 |
| BALDUR 6000LM 840 STD O L1124 WH | 47.0 | 6000 | 128 | 4000 | >80 | 4250854121291 |
| BALDUR 4800LM 840 STD O L1686 WH | 33.5 | 4800 | 143 | 4000 | >80 | 4250854121314 |
| BALDUR 6000LM 840 STD O L1686 WH | 43.0 | 6000 | 140 | 4000 | >80 | 4250854121338 |
| BALDUR 9000LM 840 STD O L1686 WH | 69.5 | 9000 | 129 | 4000 | >80 | 4250854121352 |
| BALDUR 12000LM 840 STD O L1686 WH | 99.5 | 12000 | 121 | 4000 | >80 | 4250854166209 |
| BALDUR 16000LM 840 STD O L1686 WH* | 113 | 16000 | 142 | 4000 | >80 | from January 2019 |

Available: SI, BK, DALI, 830, EL3

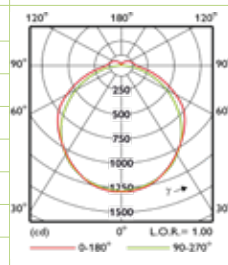


OPAL DIRECT/INDIRECT (O-DI)

FOR RETAIL AND INDUSTRY WITH CEILING ILLUMINATION (116°)

| Installation height | depends on application | | | | | |
|---|--|--------------------|--------------------------|------------------------|-----------------------|-------------------|
| I_{max/2} (half peak) / UGR_{4h8h} (glare control) | 2 x 58° (116°), UGR25 (for 6000 lm at 1686 mm) | | | | | |
| Type | System power (W) | Luminous flux (lm) | Luminous efficacy (lm/W) | Colour temperature (K) | CRI (R _a) | Order number |
| BALDUR 3200LM 840 STD O-DI L1124 WH | 22.5 | 3200 | 142 | 4000 | >80 | 4250854122694 |
| BALDUR 4000LM 840 STD O-DI L1124 WH | 28.5 | 4000 | 140 | 4000 | >80 | 4250854122717 |
| BALDUR 6000LM 840 STD O-DI L1124 WH | 47.0 | 6000 | 128 | 4000 | >80 | 4250854122731 |
| BALDUR 4800LM 840 STD O-DI L1686 WH | 33.5 | 4800 | 143 | 4000 | >80 | 4250854122755 |
| BALDUR 6000LM 840 STD O-DI L1686 WH | 43.0 | 6000 | 140 | 4000 | >80 | 4250854122779 |
| BALDUR 9000LM 840 STD O-DI L1686 WH | 69.5 | 9000 | 129 | 4000 | >80 | 4250854122793 |
| BALDUR 12000LM 840 STD O-DI L1686 WH | 99.5 | 12000 | 121 | 4000 | >80 | 4250854166261 |
| BALDUR 16000LM 840 STD O-DI L1686 WH* | 113.0 | 16000 | 142 | 4000 | >80 | from January 2019 |

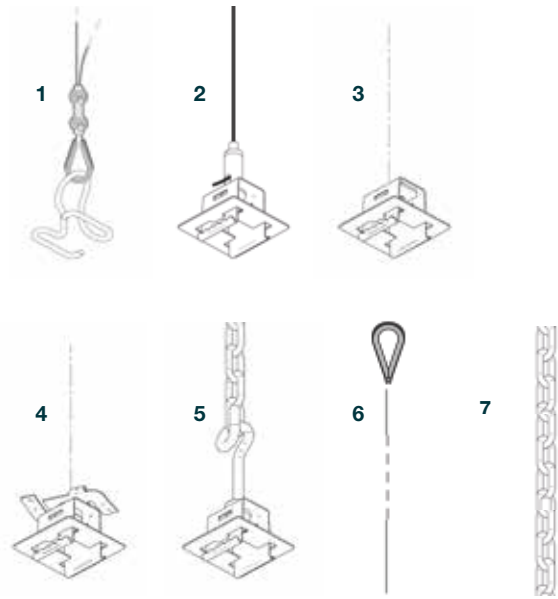
Available: SI, BK, DALI, 830, EL3



* Preliminary values for 16000lm "high performer"

BALDUR ACCESSORIES

| Type | Order number | Index |
|---------------------------------------|---------------|-------|
| BALDUR MB-E | 4250854108186 | 1 |
| BALDUR MB-SWA WH | 4250854108216 | 2 |
| BALDUR MB-SWA | 4250854140100 | 2 |
| BALDUR MB-SFM WH | 4250854108193 | 3 |
| BALDUR MB-SFM | 4250854140087 | 3 |
| BALDUR MB-TPR WH | 4250854108209 | 4 |
| BALDUR MB-TPR | 4250854140094 | 4 |
| BALDUR MB-RT WH | 4250854108223 | 5 |
| BALDUR MB-RT | 4250854140117 | 5 |
| BALDUR Steel Cable / grommet D2 L1250 | 4250854117874 | 6 |
| BALDUR Steel Cable / grommet D2 L3000 | 4250854117881 | 6 |
| BALDUR Steel Cable / grommet D2 L6000 | 4250854117898 | 6 |
| BALDUR chain | 911118100019 | 7 |



Available: Silver (SI), Black (BK)

| Type | Order number | Index |
|---|---------------|-------|
| BALDUR CP | 4250854108360 | 7.1 |
| BALDUR T EP-SET 5/7 WIRES WH | 4250854108469 | 8 |
| BALDUR T EP-SET 5/7 WIRES O-DI WH | 4250854138435 | 8 |
| BALDUR T EP-SET 9/11 WIRES WH | 4250854134338 | 9 |
| BALDUR T EP-SET 9/11 WIRES O-DI WH | 4250854138442 | 9 |
| BALDUR T CORNER FIXATION PLATE L | 4250854117270 | 10 |
| BALDUR T CORNER FIXATION PLATE T | 4250854117287 | 11 |
| BALDUR T CORNER FIXATION PLATE X | 4250854117294 | 12 |
| BALDUR T MAINS OUT/MAINS IN CONNECT SET | 4250854117942 | 13 |
| BALDUR 3C L1124 WH | 4250854112848 | 14 |
| BALDUR BC 1FT/L280 WH | 4250854111223 | 15 |
| BALDUR BC 2FT/L560 WH | 4250854111230 | 15 |
| BALDUR BC 4FT/L1124 WH | 4250854111247 | 15 |
| BALDUR BC 6FT/L1686 WH | 4250854111254 | 15 |

