Solstar LED

Solstar LED is a high performance range of LED downlights designed with both new build and retrofit projects in mind. Many new LED downlights have reduced the housing diameter to suit the LED source, however, the traditional dimensions of the two sizes in this range are ideal for retrofit/upgrade situations due to the large cut out diameter left by the existing product.

Available in four light output versions, all are backed up by a 3 hour maintained emergency option. Solstar LED is highly versatile and suits most internal applications. The die-cast aluminium front bezel can be substituted for an ever popular haloglass attachment by retrofitting in a simple twist and lock motion.

- Energy saving of 75% when compared to already low energy fluorescent models
- Twist and lock attachment for ease of installation and clean aesthetics
- Cut out diameter designed to match most compact fluorescent types, which makes Solstar LED an ideal upgrade product
- Highly versatile with a wide range of lumen outputs and 3 hour maintained emergency versions to suit many applications
- DALI dimmable option increases potential energy savings and provides additional user comfort and control

Lamp and Control Gear Options

- High performance LED array and LED driver system
- 4000K, Ra +80

Materials

- Housing - die cast aluminium
- Bezel - die cast aluminium in white finish
- Bezel optic - diffused white finish, opal polycarbonate (TPa rated)

Installation Notes

- The luminaire head is IP44 rated, the remote control gear is IP20 rated
- The integrated ceiling clamp screws are accessed during installation by removing the twist and lock bezel
- The ceiling clamps suit ceiling depths of up to 45mm large, 30mm small
- The haloglass accessory attachment is retained with a twist and lock action and replaces the standard bezel
- Allow a minimum of 100mm clearance around the downlight and 35mm above to allow adequate air flow
- Haloglass accessories reduce the lumen output by approx 6.3%. Photometric data files are available on request or via Relux and Dialux

Options

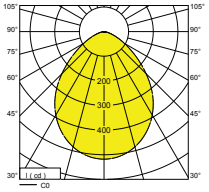
- Haloglass accessory - ordered separately
- Integrated 3hr maintained emergency functionality

Specification

To specify state: Recessed LED downlight with twist and lock die-cast aluminium bezel. HF/DALI control gear with plug and socket connection as Eaton's Solstar LED range, part no. _____

Photometric Data

Solstar LED Small
Cat. No. SLD100KZ



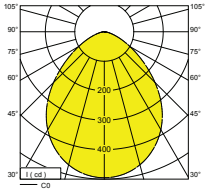
SHR nom: 1.29:1
SHR max: 1.25:1

Utilisation factors / TM5

Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	67	77	83	88	94	98	101	104	107
70	30	20	61	71	77	82	89	94	97	101	104
70	10	20	56	66	73	78	85	90	94	98	102
50	50	20	66	75	81	85	91	95	97	101	103
50	30	20	60	69	76	81	87	91	94	98	100
50	10	20	55	65	72	77	84	88	91	96	98
30	50	20	64	73	79	83	88	92	94	97	99
30	30	20	59	68	75	79	85	89	91	95	97
30	10	20	55	65	71	76	82	86	89	93	95
0	0	0	53	62	69	73	79	83	85	89	91
BZ-class			2	2	2	2	2	2	2	2	2

See page 458 for design guide

Solstar LED Large
Cat. No. SLD260KZ



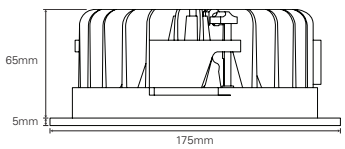
SHR nom: 1.29:1
SHR max: 1.25:1

Utilisation factors / TM5

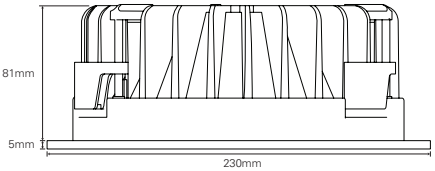
Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	66	76	83	87	93	98	100	104	106
70	30	20	59	69	76	81	88	93	96	101	103
70	10	20	54	65	72	77	84	89	93	98	101
50	50	20	65	74	80	85	90	94	97	100	102
50	30	20	59	68	75	80	86	90	93	97	100
50	10	20	54	64	71	76	86	87	91	95	98
30	50	20	63	72	78	82	88	91	93	97	98
30	30	20	58	67	74	78	84	88	91	94	97
30	10	20	54	63	70	75	81	85	88	92	95
0	0	0	52	61	67	72	78	82	84	88	90
BZ-class			2	3	3	3	3	2	3	3	3

See page 458 for design guide

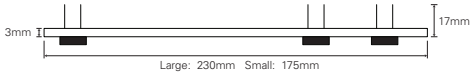
Dimensions



155mm Solstar LED Small



205mm Solstar LED Large



Haloglass Attachment (optional)

Catalogue Numbers

Lumen Output	Wattage (W)	Llm/cW	Cat No	Weight (kg)	Emergency Cat No	Weight (kg)
Solstar LED Small						
966lm	10	96.6	SLD100KZ	0.6	ERSLD100KZ	1.2
1433lm	15	95.5	SLD145KZ	1.2	ERSLD145KZ	1.9
Small Haloglass			SLDSHGLASS	0.24		
Solstar LED Large						
1921lm	18	106.7	SLD195KZ	1.2	ERSLD195KZ	1.9
2608lm	27	96.6	SLD260KZ	1.2	ERSLD260KZ	1.9
Large Haloglass			SLDLHGLASS	0.54		

Note: Standard versions are Class II double insulated
Emergency versions are Class I and must be earthed
For DALI dimmable options, replace the Z with **DD**, e.g. SLD260KZ becomes SLD260**DD**