



# LuxSpace Accent Performance Elbow

## RS782B 49S/827 PSU-E VWB SI

LuxSpace Accent Performance Elbow, Recessed, 37.5 W, D155 mm, 5200 lm, 2700 K, Very wide beam, PerfectAccent reflector, Silver, IP20

Recessed, D155 mm, Aluminum, Silver, White aluminum (RAL9006), Recessed, Power supply unit external (On/Off), 5200 lm, 37.5 W, 139 lm/W, 2700 K, (0.458,0.410)<3, Very wide beam, PerfectAccent reflector, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II, 2 Push-in connector 2-pole

### Warnings and Safety

- All photometrical data is calculated without optional front glass. Flux should be reduced by 3.5% when using a front glass
- Cleaning of the optic should only be done with pressurized air. Touching the LED or reflector is forbidden. For food preparation areas and areas with high levels of dust, the use of the optional front glass is strongly advised, as it can be cleaned with a (dry) microfiber cloth
- During maintenance, the product must be switched off and cooled down
- The product must be installed out of arm's reach. Manipulating the product when hot is only possible with an insulated glove

### Product data

General Information		Warranty period	
Light source replaceable	No	5 years	
Number of gear units	1 unit	Light Technical	
Driver included	Yes	Luminous Flux	5,200 lm
Service tag	Yes	Correlated Color Temperature (Nom)	2700 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	139 lm/W
Value ladder	Specification	Color rendering index (CRI)	>80
		Beam angle of light source	120 degree(s)

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Light source color	827 warm white
Optic type	Very wide beam
Luminaire light beam spread	60°
Unified glare rating CEN	22

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	12 A
Inrush time	100 ms
Power Consumption	37.5 W
Power Factor (Fraction)	0.9
Connection	2 Push-in connector 2-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	No
Protection class IEC	Safety class II
Total harmonic distortion	20 %

## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Constant light output	No
Maximum dim level	Not applicable

## Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate aluminum coated
Optic material	Aluminum and polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	Silver
Optical cover finish	-
Reflector Finish	PerfectAccent reflector
Overall length	0 mm
Overall width	0 mm
Overall height	180 mm
Overall diameter	167 mm
Dimensions (Height x Width x Depth)	180 x 0 x 0 mm
Nominal Ceiling cut-out diameter	155 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Mounting	Recessed
Net Weight (Piece)	1.100 kg

## Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces

CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.5
Ambient temperature range	+10 to +35 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.458,0.410)<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at L90 median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at L85 median useful life* 100000 h	

## Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	7.34 kg CO <sub>2</sub> e
Product non-virgin material ratio	7.76 %
Recyclable content ratio of the finished product	12.5 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kWh)

## Product Data

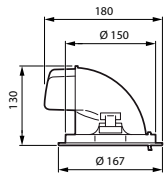
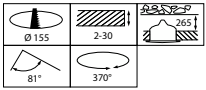
Order product name	RS782B 49S/827 PSU-E VWB SI
Full product name	RS782B 49S/827 PSU-E VWB SI
Full product code	871869997965200

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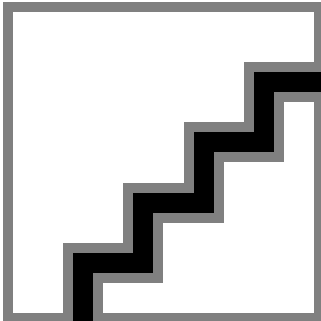
Order code	910505101651
Material Nr. (12NC)	910505101651
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699979652
Numerator - Packs per outer box	1

EAN/UPC - Case	8718699979652
Product family code	RS782B [LUXSPACE ACCENT COMPACT ELBOW RPO]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - RS780BI - 910505101651

