



Luminaire series SHL/SHLA ... PSB/SB/W/SG

Luminaire housing: White powder coated steel housing, fitted with fluorescent lamp T16, lamp colour 840 (other lamp colours on request). Closed luminaires supplied ready for mounting and connection, suitable for ceiling and pendant mounting on TRAS trunking.

Electrical equipment:

- Electronic ballasts (EVG) or electronic multi-watt ballasts (EVG-MW) 220-240V, 0/50...60Hz.
- Radio interference suppression in accordance with EC Directives.
- Externally accessible connector block 5x2.5 mm² for mains connection and through wiring.

Pendant mounting: Time-saving click mounting of individual and continuous luminaires onto chain suspensions and trunking system TRAS. Simple through wiring possible through the trunking.

Ball-proof pendant mounting of the 1 and 2-lamp luminaires onto one length of trunking, 4-lamp luminaires onto two parallel lengths of trunking.

For mounting accessories, refer to page 446 and 447.

Ceiling mounting: Time-saving click mounting of individual and continuous luminaires onto the TRAS trunking system mounted on the ceiling or ceiling-like structures. Simple through wiring possible through the trunking.


For mounting accessories, refer to page 446 and 447.

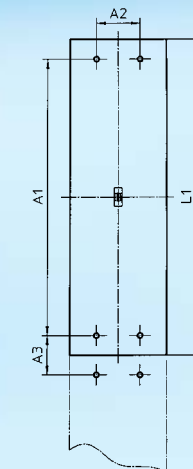
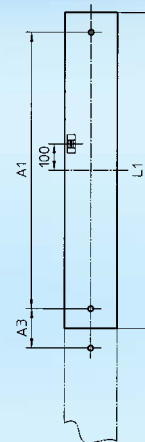
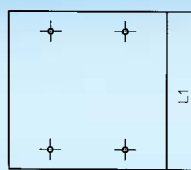
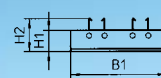
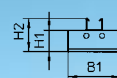
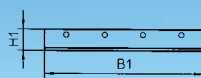
Top reflectors: The symmetrical light distribution luminaire series SHL ... and the asymmetrical light distribution luminaire series SHLA ... are fitted with top reflectors in high reflectance super-purity aluminium.


Special versions: The luminaires are available in the following special versions in response to customer request and against a surcharge:

- Non-standard colour in accordance with the RAL colour chart.
- Prefitted ballasts for brightness control.
- Inverter EVG for emergency light.

Note "ball-resistant"

RIDI recessed luminaires with the  sign are produced to the appropriate mechanical and photometric standards demanded for sports hall lighting. They comply with ball-resistant safety requirements according to DIN 18032, part 13 and have been tested for that purpose by the FMPA in Stuttgart.



Voltage	230V/50Hz
Protection class	IP 40
acc. to VDE 0711 / 0875	

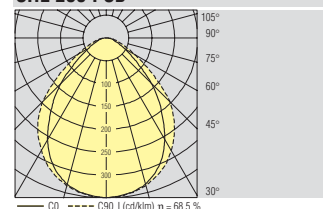


SHL ... PSB

Cover with prismatic glazing panel PSB

Ball-resistant frame made of extruded aluminium with bonded-in impact-resistant acrylic glazing panel with photometrically effective prismatic structure, symmetrical light distribution. The frame is held in the luminaire by fastening catches and hinges down on either side.

SHL 280 PSB



CD --- C90 I (cd/km) η = 68.5 %

E in lux	MH in m	Room area in m ²									
		20	30	40	50	70	80	90	100		
300	1,65	2	2	3	3	4	5	5	6	6	
	2,15	2	2	3	4	5	5	6	6	6	
	2,65	2	3	3	4	5	5	6	6	6	
500	1,65	3	4	4	5	7	8	9	9	10	
	2,15	3	4	5	6	7	8	9	10	10	
	2,65	3	4	5	6	8	9	9	10	10	

Maintenance factor: 0,67

Lighting data: www.ridi.de

Model	Lamps	Dimensions [mm]							Weight [kg]	Prod. code with EVG
		L ₁	B ₁	H ₁	H ₂	A ₁	A ₂	A _{3+n-150}		
SHL 180 PSB-EVG	1xT16/80 W	1500	185	81	130	1350	-	150	8,8	0626678
SHL 280 PSB-EVG	2xT16/80 W	1500	185	81	130	1350	-	150	8,8	0626679
SHL 480 PSB-EVG	4xT16/49,80 W	1500	370	81	130	1350	168	150	11,3	0626681
SHL 424 PSB-EVG	4xT16/24 W	600	600	81	-	-	-	-	-	0626682

Other rated outputs available on request



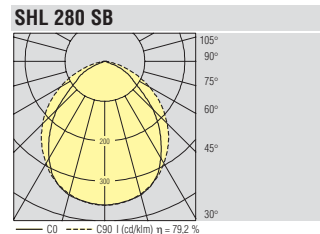
Surface mounted sports hall luminaires SHL/SHLA



SHL ... SB

Cover with clear glazing panel SB

Ball-resistant frame made of extruded aluminium with bonded-in impact-resistant clear acrylic glazing panel, symmetrical light distribution. The frame is held in the luminaire by fastening catches and hinges down on either side.



►► Lighting data: www.ridi.de

SHLA ... SB

Same specification as above, but with asymmetrical light distribution.

Model	Lamps	Dimensions [mm]							Weight [kg]	Prod. code with EVG
		L ₁	B ₁	H ₁	H ₂	A ₁	A ₂	A _{3+n-150}		
SHL 180 SB-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	8,8	0626683
SHL 280 SB-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	8,8	0626684
SHL 480 SB-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	11,5	0626686
SHLA 180 SB-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	8,8	0626687
SHLA 280 SB-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	8,8	0626688
SHLA 480 SB-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	11,5	0626690

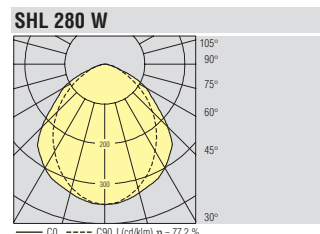
Other rated outputs available on request



SHL ... W

Cover with white louvre W

Ball-resistant frame made of extruded aluminium with bonded-in impact-resistant clear acrylic glazing panel and inserted cross-blade white louvre, symmetrical light distribution. The frame is held in the luminaire by fastening catches and hinges down on either side.



►► Lighting data: www.ridi.de

SHLA ... W

Same specification as above, but with asymmetrical light distribution.

Model	Lamps	Dimensions [mm]							Weight [kg]	Prod. code with EVG
		L ₁	B ₁	H ₁	H ₂	A ₁	A ₂	A _{3+n-150}		
SHL 180 W-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626691
SHL 280 W-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626692
SHL 480 W-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	13,0	0626694
SHLA 180 W-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626695
SHLA 280 W-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626696
SHLA 480 W-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	13,0	0626698

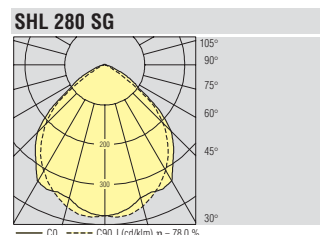
Other rated outputs available on request



SHL ... SG

Cover with parabolic mirror louvre SG

Ball-resistant frame made of extruded aluminium with bonded-in impact-resistant clear acrylic glazing panel and inserted specular anodised high-reflectance parabolic mirror louvre, symmetrical light distribution. Very good lengthways and crossways luminance cut-off. The frame is held in the luminaire by fastening catches and hinges down on either side.



Quick calculation table (Reflectances: 70/ 50/ 20)									
E in lux	MH in m	2 x T16/80W/840 / 12300 lm							
		Room area in m ²							
		20	30	40	50	70	80	90	100
300	1,65	2	2	3	3	4	4	5	5
	2,15	2	2	3	3	4	5	5	6
	2,65	2	2	3	3	4	5	5	6
500	1,65	2	3	4	5	6	7	8	8
	2,15	3	3	4	5	6	7	8	9
	2,65	3	4	5	5	7	8	8	9

Maintenance factor: 0,67

►► Lighting data: www.ridi.de

SHLA ... SG

Same specification as above, but with asymmetrical light distribution.

Model	Lamps	Dimensions [mm]							Weight [kg]	Prod. code with EVG
		L ₁	B ₁	H ₁	H ₂	A ₁	A ₂	A _{3+n-150}		
SHL 180 SG-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626699
SHL 280 SG-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626700
SHL 480 SG-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	13,0	0626702
SHLA 180 SG-EVG	1xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626703
SHLA 280 SG-EVG	2xT16/80 W	1500	185	80	130	1350	-	150	9,0	0626704
SHLA 480 SG-EVG	4xT16/49,80 W	1500	370	80	130	1350	168	150	13,0	0626706

Other rated outputs available on request

