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# SRound

For those who want the best...



# S R o u n d

## L u m i n a i r e   S e r i e s



S R o u n d   V . 3   A r e n a   ( 6 0 ° )	8
S R o u n d   V . 3   L o w b a y   ( 9 0 ° )	9
S R o u n d   V . 3   A s i m e t r i k	10
S R o u n d   V . 2   I n d u s t r y   A r e n a   ( 6 0 ° )   -   L o w b a y   ( 9 0 ° )	12
S R o u n d   C r a n e	14
S R o u n d   M i n i	15

# SYSTEM OVERVIEW



## **IK 09** IMPACT STRENGTH\*

Robust resistant housing structure. **IK Class 09**

\*IK09 is valid for fragile parts of luminaire.



*interior environment*     *outdoor environment*

## **IP65 - IP66** PROTECTION CLASS

**SR**ound, having IP66 protection class, shows maximum resistance in many fields of industry.



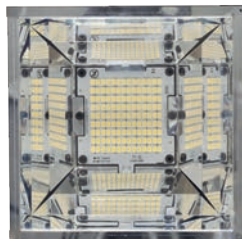
## **In models reaching up to 70 °C**

60.000 HOURS LIFE

@ Luminaire life exceeding 72.000 hours at ambient temperature of 70°C

Led Life - L70 : 72.000 @ Ta = 70 °C

Note: Driver life 50.000 hours.



## **UNIQUE** OPTICAL DESIGN

3 different optical luminescence options provide **SR**ound to be used in a wide range. It carries its specially designed optical efficiency to the top level via MIRO<sup>®</sup>04 aluminum reflectors.

UGR: < 22



60°  
Arena



90°  
Lowbay



110°  
Low Lowbay



Asymmetric

**Up to 177 lm/W\***  
**HIGH EFFICACY**

Efficiency starting from 135 lm/W and up to 177 lm/W. (@4000K)

\*Lumen values of the product.

**MULTIPLE  
USAGE**

It provides dual-use due to special design T profile.



Double **SRound**



Single **SRound**

**TEMPERED GLASS  
WITH SECURITY FILM**



Glass covered with security film preventing glass particles to fall in case of breakage on glass.

**WORKING AMBIENT  
TEMPERATURE IN RANGE OF**

 **-35 °C and +70 °C** 

Its has a wide working ambient temperature due to its superior housing design.



## MODERN DESIGN

**S**Round high ceiling lighting fixture not only meets the requirements but also sets innovative standards. Sround brings lighting solutions with 4 different optical options together. it has efficient led technology and a specially developed optical system that combines the best light quality with visual comfort. Sround offers the perfect lighting experience at equal mounting heights.



## OPTICAL OPTIONS



SRound provides the opportunity to be applied to different ceiling heights due to its rich optical variety.



60°  
Arena



90°  
Lowbay



110°  
Low Lowbay

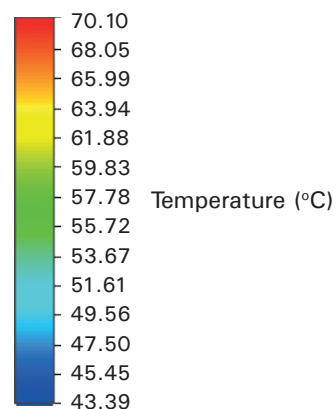
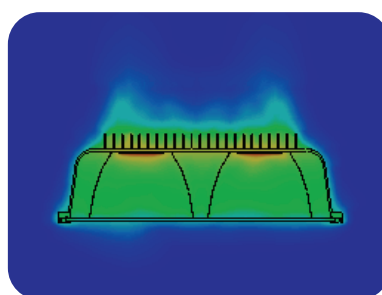
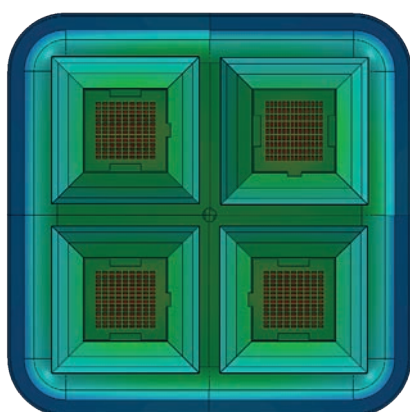


Asymmetric

Optic  
Options

## TERMAL PERFORMANCE

It shows maximum performance in industrial application fields with its specially designed compact housing which provides homogenous heat distribution.



Note: During product design, thermal distribution analysis of SRound obtained results close to 99% by using FloEFD thermal analysis program.





# SRound v.3

## ARENA (60°)

HIGH-BAY LUMINAIRE



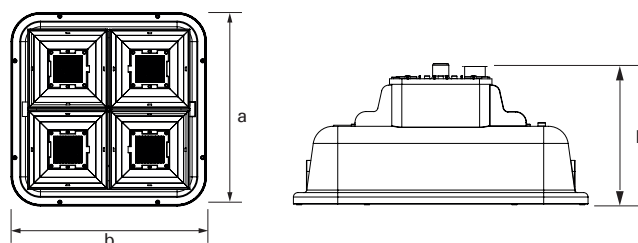
SRound V3, which shows maximum resistance to the challenging conditions of industrial facilities with its aluminum body; meets the lighting needs of different height production facilities with a wide lumen range of 9000 ~ 25400. With its armature efficiency reaching 177lm / W, arena optical angle options, it provides ideal lighting for industrial environment conditions where high performance is expected.



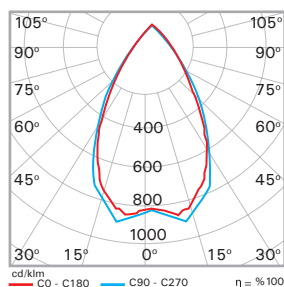
### Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector
Diffuser	: Tempered transparent glass / Tempered sanded glass
Light Source	: Mid Power LED
Power	: 52 W / 67 W / 90 W / 113 W / 163 W
Lumen	: 9168 lm / 11497 lm / 15206 lm / 18901 lm / 25448 lm
Input Voltage	: 220-240V AC 50/60Hz
Color Temp.	: 4000K / 5700K / 6500K
CRI	: > 80
IP	: IP65
Installation	: Surface mounted / Pendant
Colors	: SW 306G

### Technical Drawing



### Photometric Curve



### Dimensions (mm)

a	b	h
400	400	190

### Options

Emergency Kit	: Yes (1-3 hours)
Electronic Control	: DALI / Traceable DALI Kit

### Purchase Order Table

Product Type	Product Code	Power (W)	Weight (kg)
56 W (4000K)	SRD 052U 40FS00 AR 9K16 V.3.504	51,8	8,2
67 W (4000K)	SRD 067U 40FS00 AR 11K4 V.3.504	66,7	8,2
90 W (4000K)	SRD 090U 40FS00 AR 15K2 V.3.504	89,6	8,2
113 W (4000K)	SRD 113U 40FS00 AR 18K9 V.3.504	113,3	8,2
163 W (4000K)	SRD 163U 40FS00 AR 25K4 V.3.504	162,7	8,2
163 W (4000K) 1Hour With Emergency Kit	SRD 163U 40FS01 AR 25K4 V.3.504 HRC	221,8	9,5





# Sround v.3

## LOWBAY (90°)

HIGH-BAY LUMINAIRE



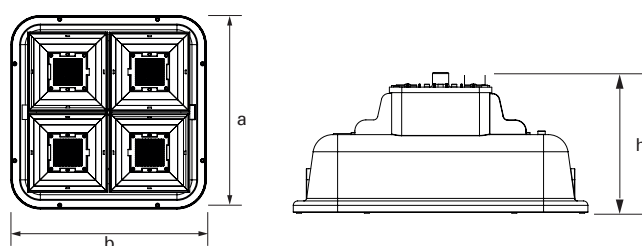
*Sround V3, which shows maximum resistance to the challenging conditions of industrial facilities with its aluminum body; meets the lighting needs of different height production facilities with a wide lumen range of 9000 ~ 25400. With its armature efficiency reaching 177lm / W, lowbay optical angle options, it provides ideal lighting for industrial environment conditions where high performance is expected.*



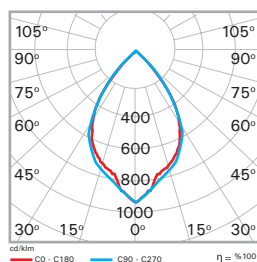
### Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector
Diffuser	: Tempered transparent glass / Tempered sanded glass
Light Source	: Mid Power LED
Power	: 52 W / 67 W / 80 W / 90 W / 113 W / 134 W / 163 W
Lumen	: 9130 lm / 11399 lm / 13426 lm / 15129 lm 18738 lm / 21292 lm / 25253 lm
Input Voltage	: 220-240V AC
Color Temp.	: 4000K / 5700K / 6500K
CRI	: > 80
IP	: IP65
Installation	: Surface mounted / Pendant
Colors	: SW 306G

### Technical Drawing



### Photometric Curve



### Dimensions (mm)

a	b	h
400	400	190

### Options

Emergency Kit	: Yes (1-3 hours)
Electronic Control	: DALI / Traceable DALI Kit
Angle Options	: 110°
Glass Options	: Sanded Glass

### Purchase Order Table

Product Type	Product Code	Power (W)	Weight (kg)
52 W (4000K)	SRD 052U 40FS00 LB 9K13 V.3.504	51,8	8,2
67 W (4000K)	SRD 067U 40FS00 LB 11K3 V.3.504	66,6	8,2
80 W (4000K)	SRD 080U 40FS00 LB 13K4 V.3.504	79,3	8,2
90 W (4000K)	SRD 090U 40FS00 LB 15K1 V.3.504	89,5	8,2
113 W (4000K)	SRD 113U 40FS00 LB 18K7 V.3.504	113,3	8,2
134 W (4000K)	SRD 134U 40FS00 LB 21K2 V.3.504	134,4	8,2
163 W (4000K)	SRD 163U 40FS00 LB 25K2 V.3.504	162,8	8,2
163 W (4000K) 1 Hour With Emergency Kit	SRD 163U 40FS01 LB 25K2 V.3.504 HRC	162,8	8,2



# SRound v.3

## ASYMMETRIC

HIGH-BAY LUMINAIRE



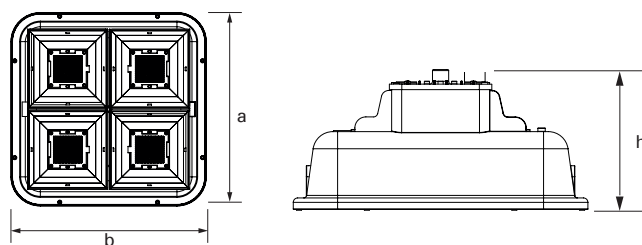
*SRound V3, which shows maximum resistance to the challenging conditions of industrial facilities with its aluminum body; meets the lighting needs of different height production facilities with a wide lumen range of 9000 ~ 25400. With its armature efficiency reaching 177lm / W, asymmetric optical angle options, it provides ideal lighting for industrial environment conditions where high performance is expected.*



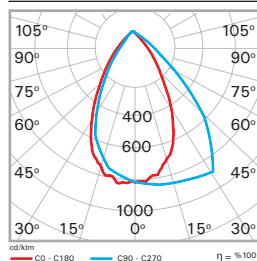
### Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector
Diffuser	: Tempered transparent glass / Tempered sanded glass
Light Source	: Mid Power LED
Power	: 113 W / 160 W
Lumen	: 18900 lm / 23557 lm
Input Voltage	: 220-240V AC 50/60Hz
Color Temp.	: 4000K / 5700K / 6500K
CRI	: > 80
IP	: IP65
Installation	: Surface mounted / Pendant
Colors	: SW 306G

### Technical Drawing



### Photometric Curve



### Dimensions (mm)

a	b	h
400	400	190

### Options

Emergency Kit	: Yes (1-3 hours)
Electronic Control	: DALI / Traceable DALI Kit

### Purchase Order Table

Product Type	Product Code	Power (W)	Weight (kg)
113 W (4000K)	SRD 113U 40FS00 AS 18K9 65 V.3.504	113	8,2
160 W (4000K)	SRD 160U 40FS00 AS 23K5 65 V.3.504	160,8	8,2









# SRound v.2 INDUSTRY

## ARENA (60°) - LOWBAY (90°)

-35°C +70°C



### HIGH-BAY LUMINAIRE

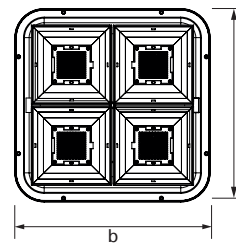
SRound V2 with its high IP-protected aluminum body, which offers maximum resistance to heavy industrial ambient conditions, guarantees excellent lighting performance in low-high temperature ambient conditions. With its 9000 ~ 18000 wide lumen range and arena / low bay optical options, it is the ideal lighting solution for demanding production conditions with an operating ambient temperature of -35°C ~ +75°C. It is preferred in areas specializing in a wide range of implementations from iron and steel industry to shipyards.



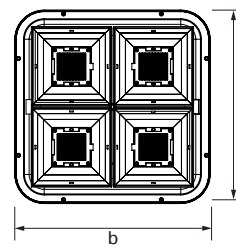
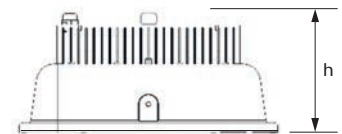
### Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector
Diffuser	: Tempered transparent glass
Light Source	: Mid Power LED
Power	
Arena	: 56 W / 69 W / 80 W / 103 W / 110 W / 137 W / (165 W External case) / (216 W External case)
Lowbay	: 56 W / 69 W / 80 W / 103 W
Input Voltage	: 220-240V AC 50/60Hz
Color Temp.	: 4000K / 5700K / 6500K
CRI	: Mid Power LED : > 80
IP	: IP65 / IP66
Installation	: Surface mounted / Pendant
Colors	: SW 306G

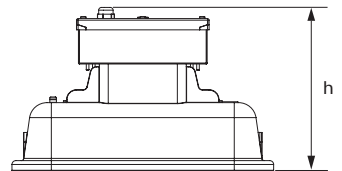
### Technical Drawing



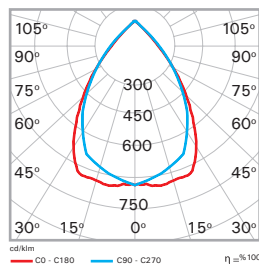
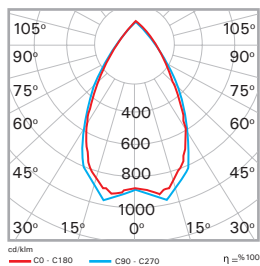
Mid Power LED Model / IP65



Mid Power LED External Case / IP66



### Photometric Curve



### Dimensions (mm)

#### Mid Power LED Model

a	b	h
400	400	190

### Options

DALI Compatibility : Yes

### Purchase Order Table

#### Arena

Product Type	Product Code	Max. Ambient temperature
56 W (4000K)	SRD 056U 40FS06 AR 9K10 65 V.2.504	70°C
69 W (4000K)	SRD 069U 40FS06 AR 11K4 65 V.2.468	65°C
80 W (4000K)	SRD 080U 40FS06 AR 13K3 65 V.2.468	60°C
103 W (4000K)	SRD 103U 40FS06 AR 17K9 65 V.2.468	60°C
110 W (4000K)	SRD 110U 40FS06 AR LLLL 65 V.2.468	60°C
137 W (4000K)	SRD 137U 40FS06 AR 21K4 65 V.2.468	55°C
165 W (4000K)	SRD 165U 40FS06 AR 25K0 65 V.2.468	55°C
216 W (4000K)	SRD 216U 40FS24 AR 31K4 65 V.2.140	50°C

#### Lowbay

Product Type	Product Code	Max. Ambient temperature
56 W (4000K)	SRD 056U 40FS06 LB 9K10 65 V.2.504	70°C
69 W (4000K)	SRD 069U 40FS06 LB 11K4 65 V.2.468	60°C
80 W (4000K)	SRD 080U 40FS06 LB 13K3 65 V.2.468	60°C
103 W (4000K)	SRD 103U 40FS06 LB 17K9 65 V.2.468	55°C
216 W (4000K)	SRD 216U 40FS24 LB 31K4 65 V.2.140	50°C









# Sround Crane

-35°C +70°C



HIGH-BAY LUMINAIRE

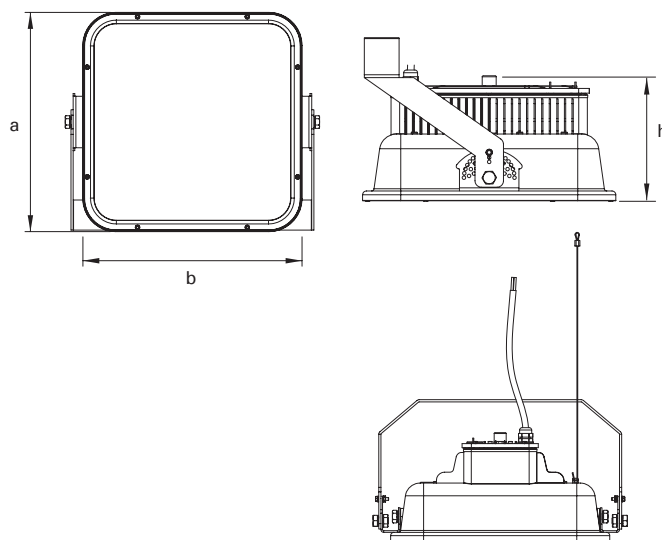
*SROUND CRANE, put into use more quickly by being mounted with special Crane suspension sets, meets all lighting requirements of cranes lighting. Sround Crane provides high protection against water and dust (IP66) with its perfect and simple designed housing.*



## Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector, Narrow angle (60°)
Diffuser	: Tempered transparent glass
Light Source	: Mid Power LED / Power LED
Power	: 71 W / 137 W / 160 W
Input Voltage	: 220-240V AC 50/60Hz
Color Temp.	: 4000K / 5000K
CRI	: > 80 (Mid Power LED)
IP	: IP66
Installation	: Crane mounted
Colors	: SW 306G

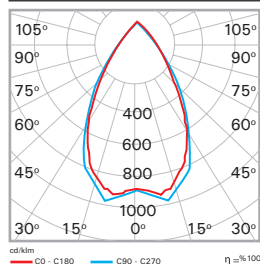
## Technical Drawing



## Dimensions (mm)

a	b	h
400	400	190

## Photometric Curve



## Options

Emergency Kit	: Yes (1-3 hours)
Electronic Control	: DALI / Traceable DALI Kit
Angle Options	: 90° / 110° / Asymmetric

## Purchase Order Table

Product Type	Product Code	Power (W)	Weight (kg)
71 W 4000K	SRD 071U 50FS24 AR 11K4 66 V2.468 CRP	67.8	8.1 kg
137 W 4000K	SRD 137U 50FS24 AR 18K0 66 V2.88 CRP	136.6	8.1 kg
160 W 4000K	SRD 160U 50FS24 AR 24K3 66 V2.504 CRP	160.2	8.1 kg



# SRound Mini

HIGH-BAY LUMINAIRE



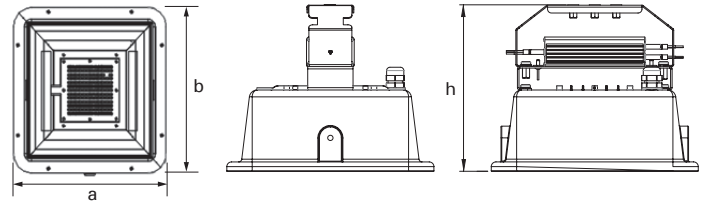
*With the body that have been created with aluminium injection, SROUND MINI will endure to the maximum for the compelling circumstances of the industrial areas.*



## Technical Specifications

Housing	: Aluminium injection housing
Optical	: Miro silver reflector 75° (LB) / 108° (XW)
Diffuser	: Single side film tempered clear glass
Light Source	: Mid Power LED
Power	: 28 W / 62 W (108°) / 88 W (75°)
Lumen	: 7087 lm (62 W) / 10278 lm (88 W)
Input Voltage	: 220-590V 50-60 HZ
Color Temp.	: 4000K / 5700K / 6500K
CRI	: > 80
IP	: IP65
Installation	: Surface mounted / Pendant
Colors	: SW 306G

## Technical Drawing



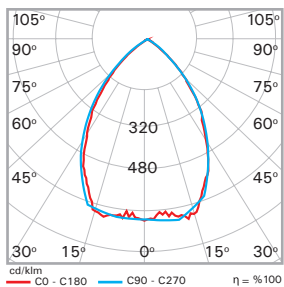
IP Box



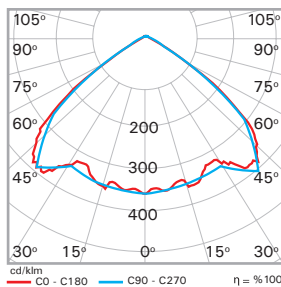
## Dimensions (mm)

a	b	h
265	265	215
265	265	245

## Photometric Curve



75°



108°

## Options

DALI Compatibility : Yes

## Purchase Order Table

Product Type	Product Code	Power (W)	Weight (kg)
28 W (4000K)	SRD 028U 40KC00 108 4K15 65 V.MN		
28 W (4000K)	SRD 028U 40KC00 75 4K15 65 V.MN		
62 W (4000K)	SRD 062U 40KC00 108 7K08 65 V.MN		
62 W (4000K)	SRD 062U 40KC00 75 7K89 65 V.MN		
88 W (4000K)	SRD 088U 40KC00 108 10K2 65 V.MN		
88 W (4000K)	SRD 088U 40KC00 75 10K2 65 V.MN		







# PRODUCT KEY CODES



S	R	D	0	5	6	U	4	0	F	S	0	0	L	B	9	K	1	6	5	V	2	504	PEND			
Product Code <i>SRD</i>			Power Consumption 56 62 69 71 76 79 80 87 92 100 103 110 132 137 163 165 210 220			Ceiling Type Surface Mounted <i>U</i>	Difusser Detail <i>Clear glass</i> <i>Single Filmed</i> <i>Sanded glass</i>			Kelvins 3000 4000 5000 5700 6500			Luminaire Type <i>AR: Arena</i> <i>LB: LowBay</i> <i>XW: Low LowBay</i> <i>AS: Asymmetric</i>			Lumen <i>Sample</i> <i>9K1: 9100</i>			IP <i>IP65</i>		Version		LED Pieces 504 468		Model <i>CRN: Crane</i>	
							Driver Code <i>00: Standard</i> <i>01: 1 Hour Emergency Kit</i> <i>02: 3 Hours Emergency Kit</i> <i>03: DALI</i> <i>04: DALI + 1 Hour Emergency Kit</i> <i>05: DALI + 3 Hours Emergency Kit</i> <i>06: Industrial</i> <i>24: Industrial + DALI</i> <i>49: DALI Driver + 3 Hours ACK + DALI Kit</i>																			



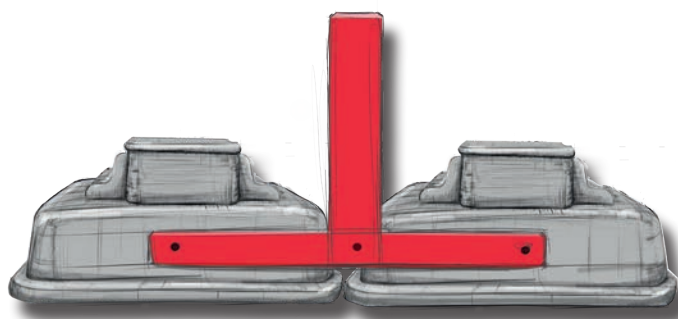
## SUSPENSION SET SIZES AND TYPES



**18.3 KG**  
Double luminaire

### MULTIPLE USAGE

It provides dual-use due to special design T profile.



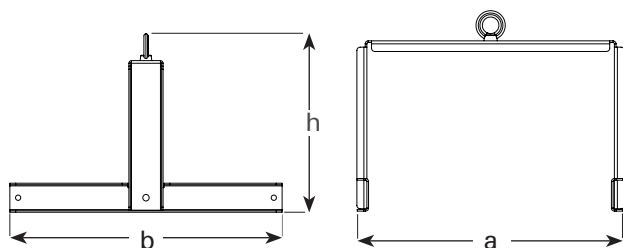
Single SRound



Double SRound



### DOUBLE HANGER SET

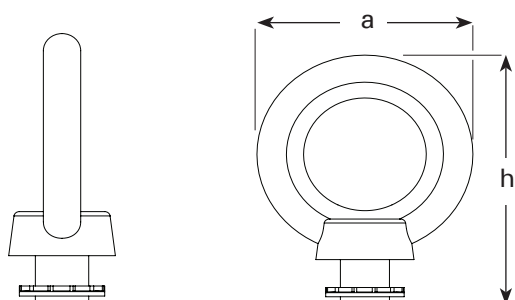


a	b	h	Weight
365 mm	470 mm	300 mm	2.7 kg

Order Code : 3093653  
Product Code : SRD Double S. TK



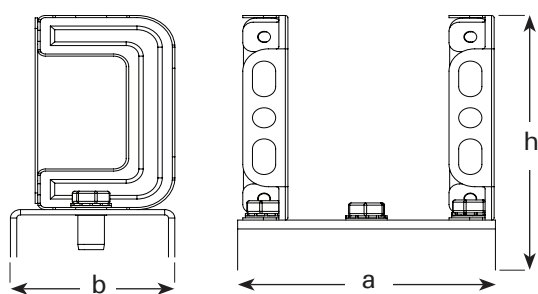
### SINGLE POINT SUSPENSION SET



a	h	Weight
44 mm	55 mm	0,025 kg

Order Code : 3096325  
 Product Code : SRD SINGLE  
 POINT SUSPENSION SET

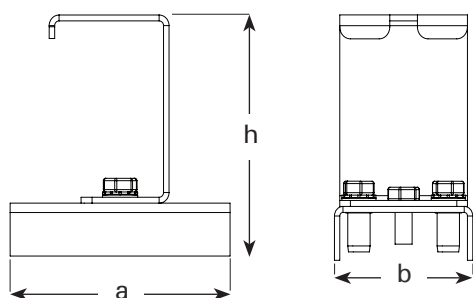
### BUSBAR SUSPENSION SET



a	b	h	Weight
100 mm	65 mm	114,5 mm	0,3 kg

Order Code : 3096326  
 Product Code : SRD BUSBAR  
 SUSPENSION SET

### CABLE TRAY SUSPENSION SET



a	b	h	Weight
100 mm	65 mm	102,5 mm	0,4 kg

Order Code : 309634  
 Product Code : SRD CABLE TRAY  
 SUSPENSION SET

## OPERATION COST ANALYSIS



400 W  
Metal Halide



4x54 W  
REVO Fluorescent



113 W  
**SRound**

Light Level (Eort)	350 lux	350 lux	350 lux
Bulb Life (Hour)	8.000	23.000	60.000
Luminaire Number (Pieces)	25	30	20
Bulb Number (Pieces)	25	120	0
Bulb Power (W)	400	216	163
Balast / Driver Loss (W)	50	16	10
Luminaire Power (W)	450 W	232 W	113 W
Total Consumption Power (kW)	11.3 kW	7,0 kW	<b>2,3 kW</b>
Annual Bulb Changing Cost (\$)	360,00	61,31	<b>0,00</b>
Daily Working Hours (Hour / Day)	16	16	16
Annual Working Day Number	330,0	330,0	330,0
Annual Working Hours (Hour / Year)	5,280	5.280	5.280
Energy Unit Price (\$/kwh)	0,10	0,10	0,10

**Annual Energy Cost (\$)** 5,940,00 3,674,88 1.193,28

**Annual Operation Cost (\$/Year)** 6.300,00 3.736,19 1.193,28

**Annual Earning (\$/Year)**

REFERENCE -1



**5.106,72**

ANNUAL EARNING

REFERENCE -2






**2.542,91**

ANNUAL EARNING

# INVESTMENT RETURN ANALYSIS

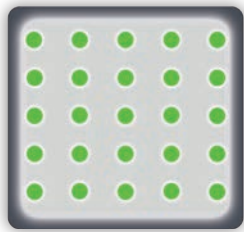


<b>NEW INVESTMENT</b>	400 W Metal Halide		113 W SRound
	REFERENCE PRODUCT		6 MON. 
<b>REFIT</b>	4x54 Revo Fluorescent		113 W SRound
	REFERENCE PRODUCT		12 MON. 
	400 W Metal Halide		113 W SRound
	REFERENCE PRODUCT		12 MON. 
	4x54 Revo Fluorescent		113 W SRound
	REFERENCE PRODUCT		24 MON. 

## ENERGY SAVING ANALYSIS

### SAMPLE AREA

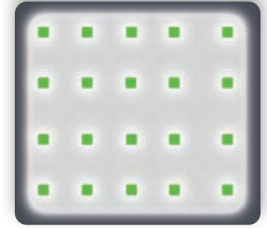
Height : 12m  
Area : 30x30 m<sup>2</sup>



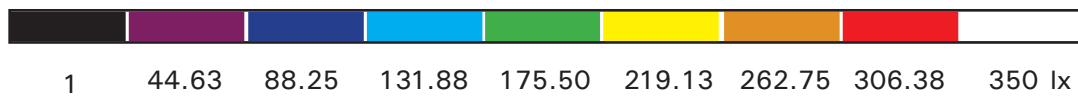
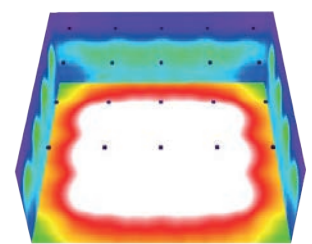
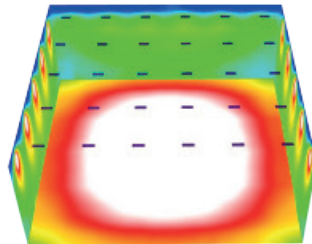
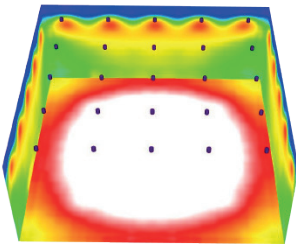
400 W Metal Halide  
**25 Pieces**



4x54 W Revo Fluorescent  
**30 Pieces**



113 W SRound LED Luminaire  
**20 Pieces**



350 lux is the average light value of all luminaires.





Light Level	350 lux	350 lux	350 lux
Luminaire Number	25	30	20
Luminaire Power (W)	450 W	232 W	113 W
Total Consumption Power (kW)	11,3 kW	7,0 kW	<b>2,3 kW</b>

### REFERENCE PRODUCT 1



**%80**  
Energy Saving  
(Changing Metal Halide With SRound)

### REFERENCE PRODUCT 2



**%67**  
Energy Saving  
(Changing 4x54 Revo Fluorescent With SRound)

# SRound

For those who want the best...

EAE LIGHTING-Brochure SRound - EN - Uptade Date: 05.04.2021  
EAE. is provided with the right to perform changes deemed necessary without notifying in advance.  
Please contact us for further information about products and details partaking in catalogue.



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*engineering the light*