Dual

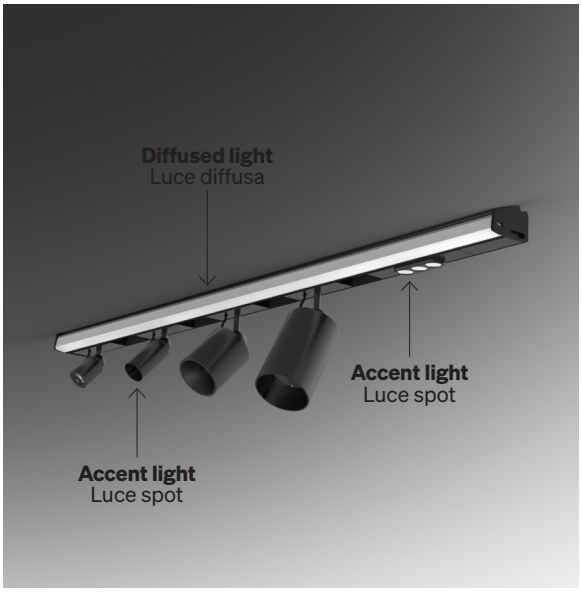
Patented Product

↓ Linear Light
182 LED/m • 55 LED/ft
3,0 W/m • 0,9 W/ft
182 LED/m • 55 LED/ft
5,0 W/m • 1,5 W/ft
182 LED/m • 55 LED/ft
9,5 W/m • 2,9 W/ft
182 LED/m • 55 LED/ft
15,7 W/m • 4,8 W/ft

↓ Accent Light
Spot LED Honor Dual
3,4 W @24 V DC
Spot LED Play Short Dual
1,3 W @24 V DC
Spot LED Play Small Dual
1,3 W @24 V DC
Spot LED Play Medium Dual
1,6 W @24 V DC
Spot LED Play Large Dual
6,4 W @24 V DC



Dual



Sharp

Spotted

Body Corpo

Mixed light on asymmetrical linear profile
Luce mista su profilo lineare asimmetrico

Fastening Fissaggio	Caps + Magnets Tappi + Magneti Caps + Steel clips Tappi + Clip in acciaio
Optic (Honor, Pl. Short, Small) Ottica (Honor, Pl. Short, Small)	20° • 25° • 38° • 44° • 62° • OVAL (45°×25°)
Optic (Play Medium Dual) Ottica (Play Medium Dual)	16° • 18° • 30° • 47°
Optic (Play Large Dual) Ottica (Play Large Dual)	14° • 20° • 32° • 52°
Screen (FRS) Schermo (FRS)	**FRS** (Flux Recovery System) - **Patented**
Wiring set Cavo alimentazione	2000 mm • 78,74 "
Custom size Lunghezza ordinabile	Up to 3000 mm • 118,10 " Fino a 3000 mm
Finishing Finitura	● Black anodized ● Anodica nera
Listings and marks Certificazioni e marchi	CE UKCA cULus US LISTED IP20 F
Where we produce Dove produciamo	Made in Italy
LED (See page CRI) LED (Vedi pagina CRI)	NICHIA Standard On request Standard for Spot

Dual

Examples of configurations Esempi di configurazioni

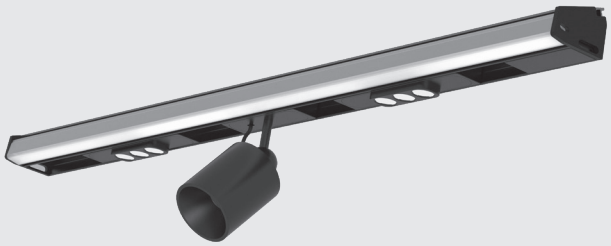
A



B



C



D



A	B	C	D
Linear Light: FRS99	**Linear Light:** FRS99	**Linear Light:** FRS99	**Linear Light:** FRS99
Spotlight: 1 × Honor Dual 1 × Play Short Dual 1 × Play Small Dual 1 × Play Medium Dual	**Spotlight:** 2 × Honor Dual	**Spotlight:** 2 × Honor Dual 1 × Play Medium Dual	**Spotlight:** 3 × Play Medium Dual

Dual

Light Luce

Type Tipologia	**↓ Accent Light** **Honor Dual**	**↓ Accent Light** **Play Short Dual**	**↓ Accent Light** **Play Small Dual**	**↓ Accent Light** **Play Medium Dual**	**↓ Accent Light** **Play Large Dual**
Light source Sorgente luminosa	Spot LED	Spot LED	Spot LED	Spot LED	Spot LED
Power consumption Consumo energia	3,4 W @24 V DC	1,3 W @24 V DC	1,3 W @24 V DC	1,6 W @24 V DC	6,4 W @24 V DC
CCT K **On request/Su richiesta:** • Mixing/Miscelazione • 2200 K	2700 K 3000 K 3500 K 4000 K 5000 K	2700 K 3000 K 3500 K 4000 K 5000 K	2700 K 3000 K 3500 K 4000 K 5000 K	2700 K 3000 K 3500 K 4000 K 5000 K	2700 K 3000 K 3500 K 4000 K 5000 K
CRI **R9** **Rf** @ 3000 K **Rg** @ 3000 K **MacAdam ellipse**	Min 90 Min 80 96 103 2	Min 90 Min 80 96 103 2	Min 90 Min 80 96 103 2	Min 90 Min 80 96 103 2	Min 90 Min 80 92 100 2
Delivered lumen output Flusso luminoso emesso 3000 K	254 lm 76 lm/W	91 lm 70 lm/W	80 lm 62 lm/W	130 lm 81 lm/W	510 lm 80 lm/W
Input voltage Tensione di ingresso	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC

Light Luce

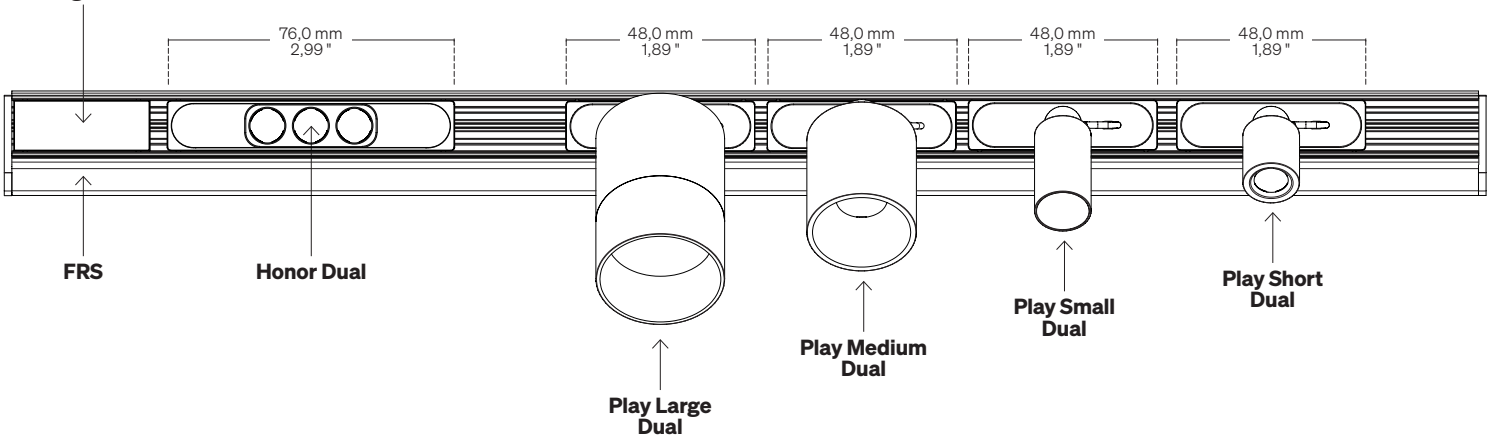
Type Tipologia	**↓ Linear Light** **FRS**	**↓ Linear Light** **FRS**	**↓ Linear Light** **FRS**	**↓ Linear Light** **FRS**
Light source Sorgente luminosa	182 LED/m • 55 LED/ft	182 LED/m • 55 LED/ft	182 LED/m • 55 LED/ft	182 LED/m • 55 LED/ft
Power consumption Consumo energia	3,0 W/m • 0,9 W/ft	5,0 W/m • 1,5 W/ft	9,5 W/m • 2,9 W/ft	15,7 W/m • 4,8 W/ft
CCT K	1800 2500 3500 2000 2700 4000 2200 3000 5000	1800 2500 3500 2000 2700 4000 2200 3000 5000	1800 2500 3500 2000 2700 4000 2200 3000 5000	1800 2500 3500 2000 2700 4000 2200 3000 5000
CRI **R9** **Rf** @ 3000 K **Rg** @ 3000 K **MacAdam ellipse**	Min 90 Min 50 92 100 3	Min 90 Min 50 92 100 3	Min 90 Min 50 92 100 3	Min 90 Min 50 92 100 3
Delivered lumen output → Screen FRS 3000 K	↓ **FRS** – 168 lm/W 494 lm/m • 151 lm/ft	↓ **FRS** – 155 lm/W 728 lm/m • 222 lm/ft	↓ **FRS** – 150 lm/W 1414 lm/m • 431 lm/ft	↓ **FRS** – 146 lm/W 2218 lm/m • 676 lm/ft
Input voltage Tensione di ingresso	24 V DC	24 V DC	24 V DC	24 V DC

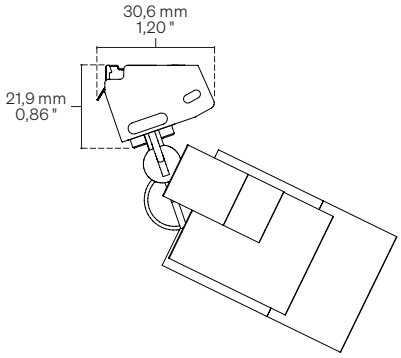
Dual

Dimensions Dimensioni

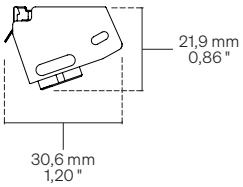
Scale/Scala 1:2

Feeding module

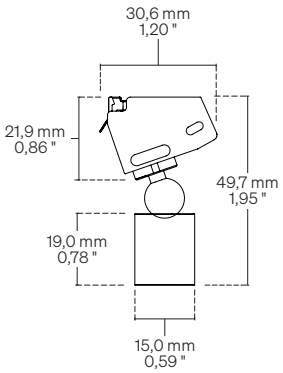




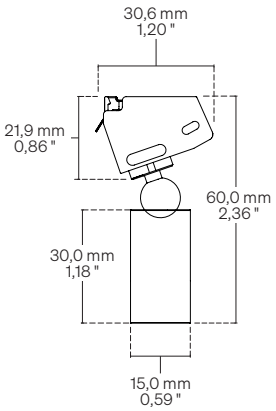
Honor Dual



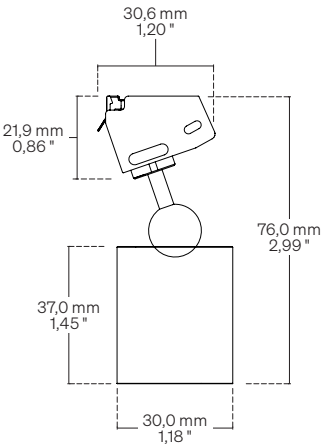
Play Short Dual



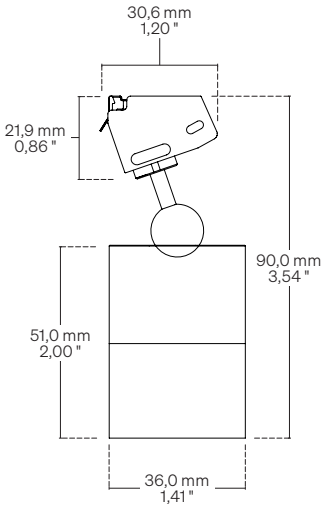
Play Small Dual



Play Medium Dual



Play Large Dual

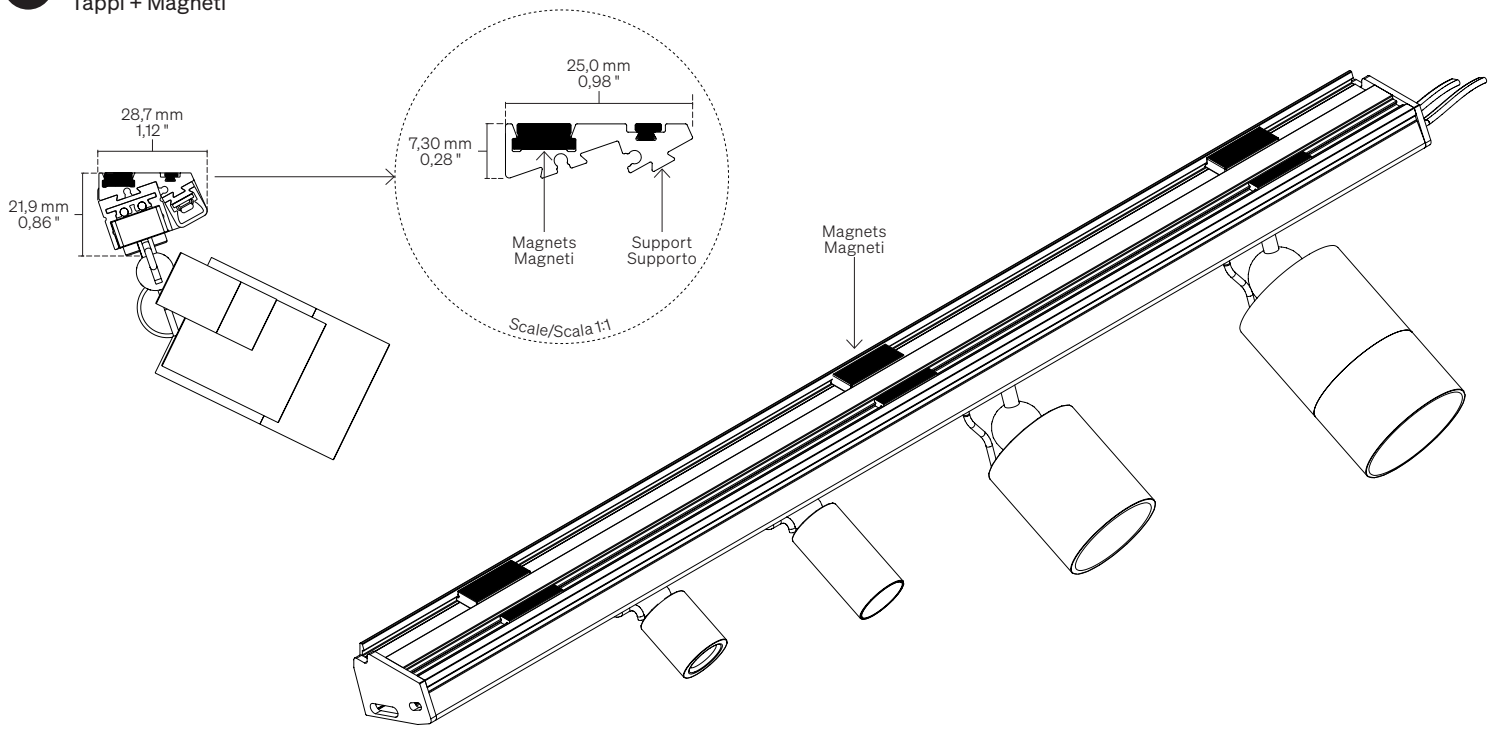


Dual

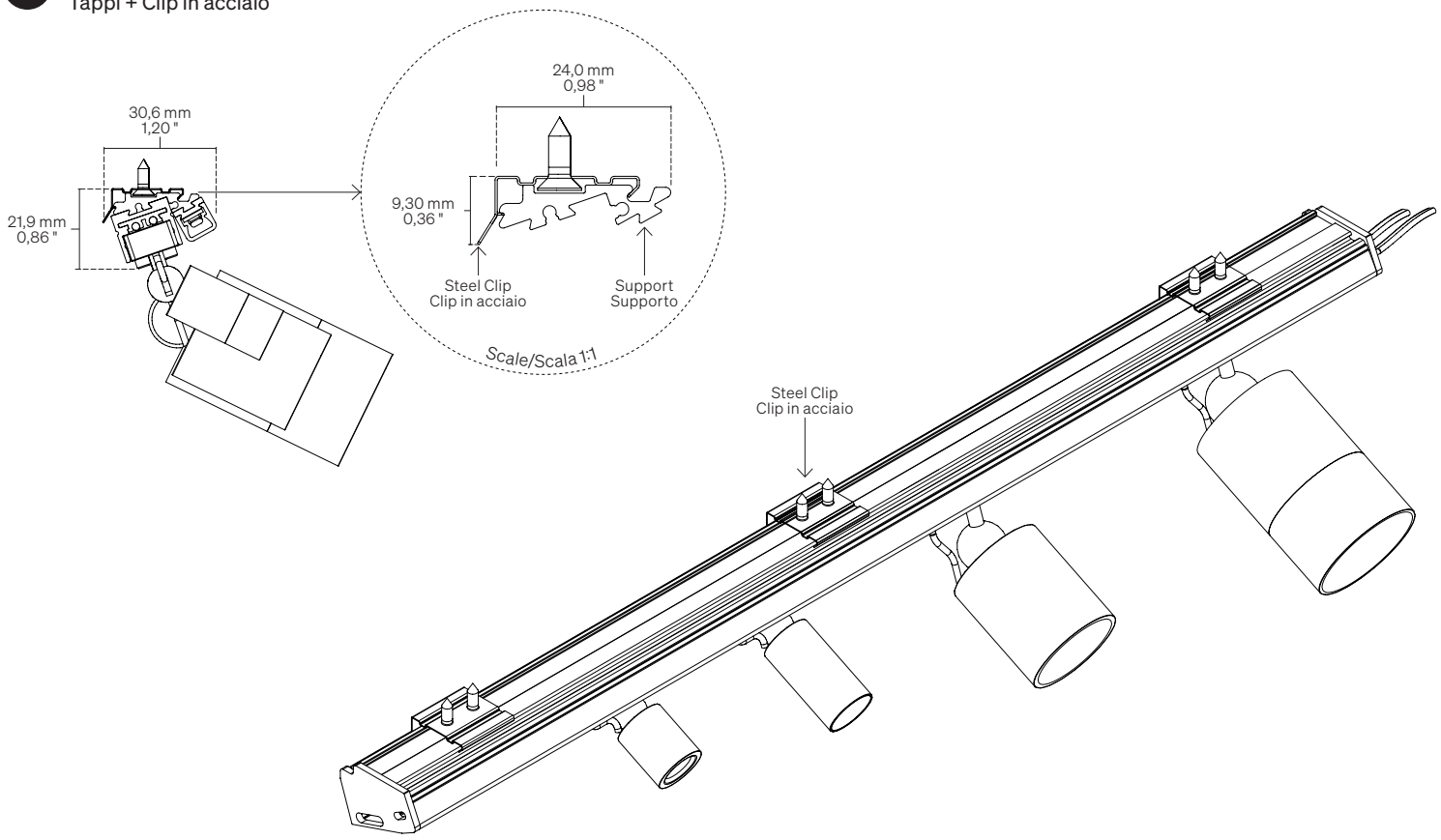
Fastening options Opzioni di fissaggio

Scale/Scala 1:2

TAM Caps + Magnets
Tappi + Magneti



TAC Caps + Steel clips
Tappi + Clip in acciaio



Dual

Order code Codice ordine

Basic code Codice base	**DSAFRS**	Dual System support for magnets (TAM) Supporto per sistema Dual per magneti (TAM)
	DSBFRS	Dual System support for clips (TAC) Supporto per sistema Dual per clip (TAC)
FRS Light source Sorgente luminosa FRS	**1823**	Dual System FRS 182 LED/m • 55 LED/ft 3,0 W/m • 0,9 W/ft
	1825	Dual System FRS 182 LED/m • 55 LED/ft 5,0 W/m • 1,5 W/ft
	1829	Dual System FRS 182 LED/m • 55 LED/ft 9,5 W/m • 2,9 W/ft
	18215	Dual System FRS 182 LED/m • 55 LED/ft 15,7 W/m • 4,8 W/ft
CCT K CCT K	**18**	● 1800 K
	20	● 2000 K
	22	● 2200 K
	25	● 2500 K
	27	● 2700 K
	30	● 3000 K
	35	● 3500 K
	40	● 4000 K
	50	● 5000 K
Finishing Finitura	**02**	● Black anodized ● Anodica nera
Ordering length Lunghezza ordinabile	**--**	→ Specify the custom size or visit formulaluci.com, for standard lenght. → Specificare la misura custom oppure visitare il sito formulaluci.com, per le lunghezze standard.
Order example Esempio ordine	**DSAFRS 1823 18 02 • 0,32** Dual System support for magnets (TAM), Dual System FRS 182 LED/m • 55 LED/ft 3,0 W/m • 0,9 W/ft, Warm White 1800, Black anodized • 0,32 m Supporto per sistema Dual per magneti (TAM), Dual System FRS 182 LED/m 3,0 W/m, Warm White 1800, Anodica nera • 0,32 m	

Order code Codice ordine

Accessories Accessori	**DSFML**	Dual System, Feeding Module, Left Dual System, Modulo di alimentazione, Sinistro
	DSFMR	Dual System, Feeding Module, Right Dual system, Modulo di alimentazione, Destro
Finishing Finitura	**02**	● Black anodized ● Anodica nera
	10	● RAL 9005

Dual

Order code Codice ordine

Basic code Codice base	**DSPTSH**	Dual System Play Short LED 1,3 W
	DSPTS	Dual System Play Small LED 1,3 W
CCT K CCT K	**27**	2700 K
	30	3000 K
	35	3500 K
	40	4000 K
	50	5000 K
Optics Ottica	**20**	20°
	25	25°
	38	38°
	44	44°
	62	62°
Finishing Finitura	**02**	Black anodized Anodica nera

Order example
Esempio ordine

DSPTSH 27 20 02

Dual System Play Short,
LED 1,3 W, Warm White 2700,
Black anodized, 20° optic

Dual System Play Short,
LED 1,3 W, Warm White 2700,
Anodica nera, Ottica 20°

Order code Codice ordine

Basic code Codice base	**DSPTL**	Dual System Play Large LED 6,4 W
CCT K CCT K	**27**	2700 K
	30	3000 K
	35	3500 K
	40	4000 K
	50	5000 K
Optics Ottica	**14**	14°
	20	20°
	32	32°
	52	52°
Finishing Finitura	**02**	Black anodized Anodica nera
Accessories Accessori	**DF**	Diffusing filter/ Filtro diffondente
	HO	Honeycomb

Order example
Esempio ordine

DSPTL 27 14 DF 02

Dual System Play Large, LED 6,4 W,
Warm White 2700, 14° optic,
Black anodized, Diffusing filter

Dual System Play Large, LED 6,4 W,
Warm White 2700, Ottica 14°,
Anodica nera, Filtro diffondente

Order code Codice ordine

Basic code Codice base	**DSPTM**	Dual System Play Medium LED 1,6 W
CCT K CCT K	**27**	2700 K
	30	3000 K
	35	3500 K
	40	4000 K
	50	5000 K
Optics Ottica	**16**	16°
	18	18°
	30	30°
	47	47°
Finishing Finitura	**02**	Black anodized Anodica nera

Order example
Esempio ordine

DSPTM 27 16 02

Dual System Play Medium,
LED 1,6 W, Warm White 2700,
Black anodized, 16° optic

Dual System Play Medium,
LED 1,6 W, Warm White 2700,
Anodica nera, Ottica 16°

Dual

Order code Codice ordine

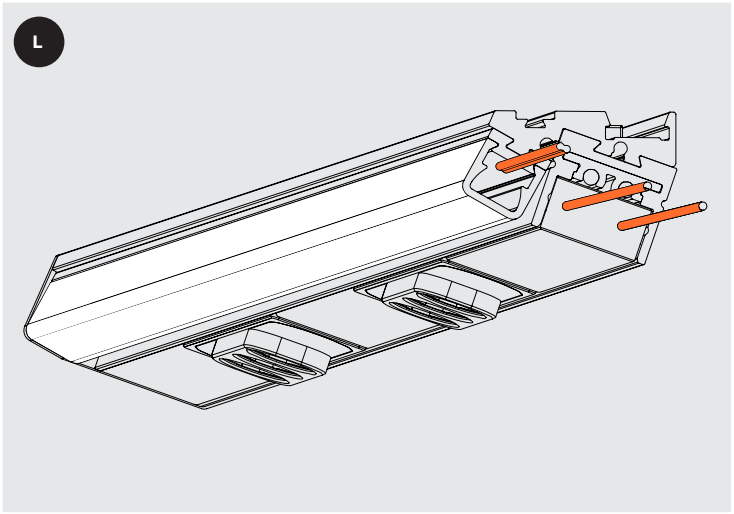
Basic code Codice base	**DSHO**	Dual System Honor
CCT K CCT K	**27**	2700 K
	30	3000 K
	35	3500 K
	40	4000 K
	50	5000 K
Optics Ottica	**20**	20°
	25	25°
	38	38°
	44	44°
	62	62°
	4525	Oval (45°×25°)
Finishing Finitura	**02**	Black anodized Anodica nera

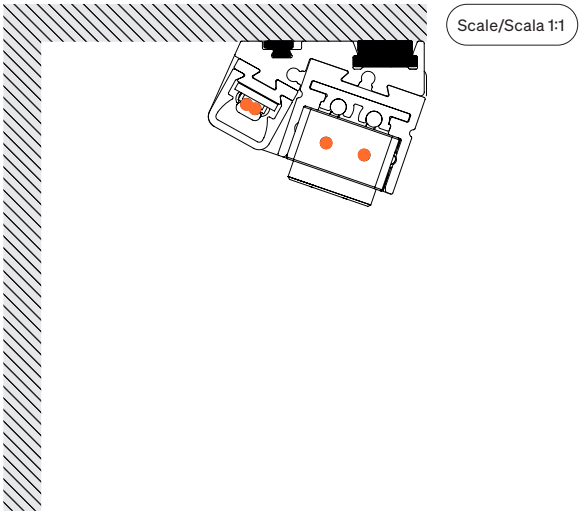
Order example Esempio ordine	**DSHO 27 20 02** Dual System Honor, Warm White 2700, 20° Optic, Black anodized Dual System Honor, Warm White 2700, Ottica 20°, Anodica nera

Dual

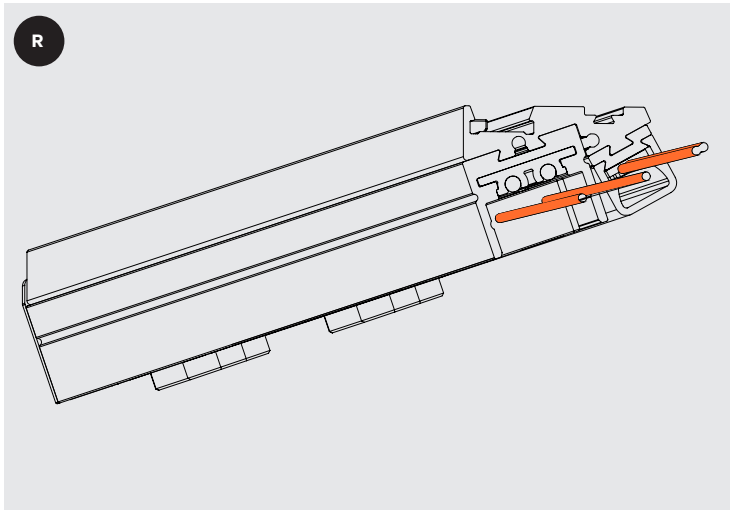
Cable outlet Uscita cavi

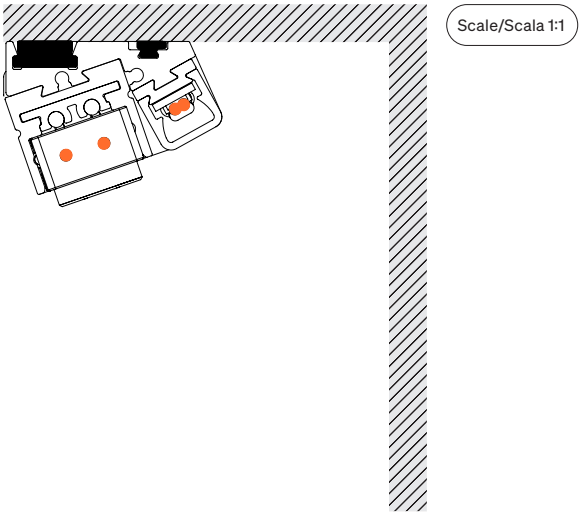
Left side
Lato sinistra





Right side
Lato destro

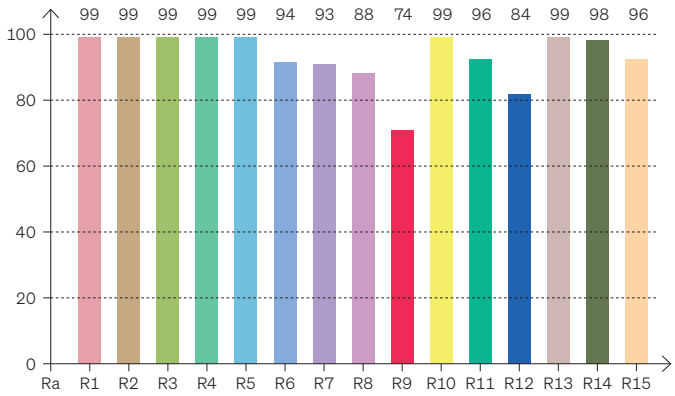




CRI Typical* CRI Tipici*

R9050 – H6 • 3SDCM
High Efficacy
3000 K

CRI: 94,5 (R1-R8)



* Values taken from sample measurements
* Valori presi da misurazioni a campione

CRI Values Valori CRI — CCTK: 3000 K

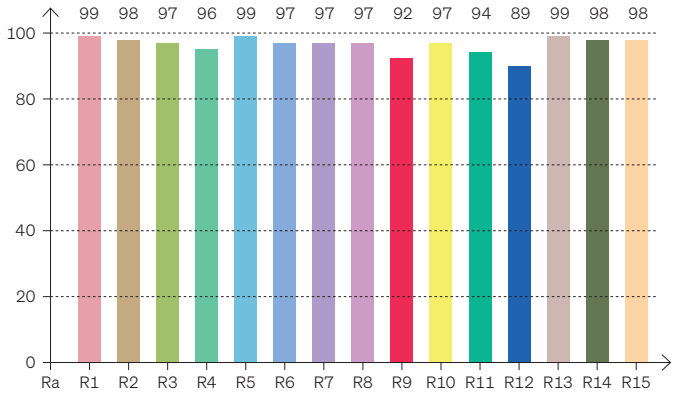
CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,4	99	99	99	99	99	94	93	88	74	99	96	84	99	98	96

Color Parameters Parametri del colore

Color Temperature	Color Render Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coord. CIE 1931	Color Coord. CIE 1931	Color Coordinate	Color Coordinate	Color Diviation from Black Body
CCT K	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	X	Y	U	V	ΔUV
3042 K	96,2	74,4	92,2	100,5	92,9	0,441	0,399	0,255	0,347	-0,0009

FULL SPECTRUM • 3SDCM
OPTISOLIS™
3000 K

CRI: 97,6 (R1-R8)



* Values taken from sample measurements
* Valori presi da misurazioni a campione

CRI Values Valori CRI — CCTK: 3000 K

CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,6	99	98	97	96	99	97	97	97	92	97	94	89	99	98	98

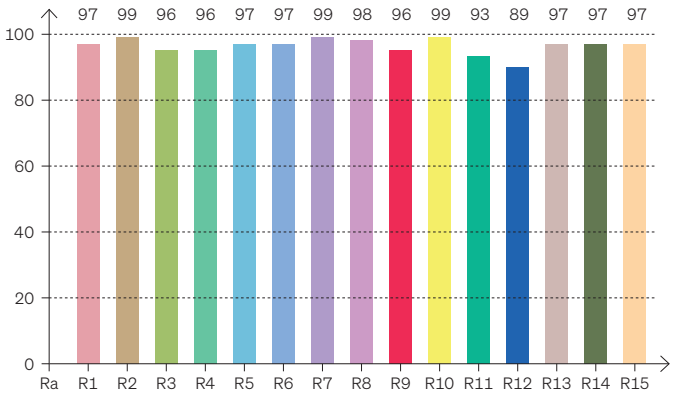
Color Parameters Parametri del colore

Color Temperature	Color Render Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coord. CIE 1931	Color Coord. CIE 1931	Color Coordinate	Color Coordinate	Color Diviation from Black Body
CCT K	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	X	Y	U	V	ΔUV
3491 K	97,6	92,2	95,2	102,7	96,5	0,404	0,386	0,237	0,339	-0,0019

CRI Typical* CRI Tipici*

R9080 • 2 SDCM
Power LED
3000 K

CRI: 97,4 (R1-R8)



* Values taken from sample measurements
* Valori presi da misurazioni a campione

CRI Values Valori CRI

CCTK: 3000 K

CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,4	97	99	96	96	97	97	99	98	96	99	93	89	97	97	97

Color Parameters Parametri del colore

Color Temperature	Color Render Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coord. CIE 1931	Color Coord. CIE 1931	Color Coordinate	Color Coordinate	Color Diviation from Black Body
CCT K	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	X	Y	U	V	ΔUV
3067 K	97,4	96,3	95,8	102,3	96,3	0,431	0,399	0,249	0,346	-0,0010

Warnings Avvertenze

The installation of the product, must be done as illustrated in the catalogue or inside the technical data-sheet that can be asked to the manufacturer. An installation performed differently from the one indicated may compromise the durability and characteristics of the product itself.

An installation performed differently from the one indicated may compromise the durability and characteristics of the product. Unsuitable cross-section / length of the cable can negatively affect the lighting power of the product. If Power supplies, even those with a plastic case, are located in spaces that are too small for their dimensions; they will be subjected to dissipation problems that will compromise their functionality. Silicones or resins subjected to temperature changes and used near the product, if not in accordance with the specifications issued by the manufacturer, they can seriously damage the LED component. The products can not be modified without any authorization by the manufacturer.

L'installazione del prodotto, dovrà eseguirsi come illustrato nel catalogo o nella documentazione tecnica richiedibile al produttore. Un'installazione eseguita diversamente da quella indicata, può compromettere la durata e le caratteristiche del prodotto.

Prima dell'installazione verificare la corretta sezione del cavo collegato tra LED e alimentatore. Sezione / lunghezza del cavo non congrui, possono alterare in negativo la luminosità del prodotto. Gli alimentatori, anche quelli con contenitore plastico, inseriti in spazi troppo piccoli, saranno soggetti a problemi di dissipazione che comprometteranno la loro funzionalità. Siliconi o resine soggetti a sbalzi di temperature e utilizzati in prossimità del prodotto, se non conformi alle specifiche rilasciate dal produttore possono danneggiare gravemente il componente LED. I prodotti non possono essere modificati senza autorizzazione da parte del produttore.