

# MATRIC-L3

## DE

LED-Einbau-Lichtlinie, direktstrahlend. Microprismenoptik und Ausführung mit Raster, alternativ Opaldiffusor mit perfekt homogener Lichtpunktauflösung oder Wallwasher mit asymm. Abstrahlung.

Leuchtenkörper aus Aluminium-Strangpressprofil silbermatt naturelxiert. Beliebige Längen als durchgängiges Lichtband sowie Vielzahl möglicher Konfigurations- und Gestaltungsmöglichkeiten nach Maß.

LED-Konverter wahlweise schaltbar oder dimmbar (1-10V, DALI, Touch-Dim). Werkseitige Konverterprogrammierung ermöglicht unterschiedliche Lichtstromoptionen.

Standard LED-Farbtemperatur 3000K und 4000K. Auf Wunsch 2200K, 2700K, 3500K, 5000K, 6500K. Enge Farbtoleranz MacAdam 3. Farbwiedergabe  $Ra \geq 80$ , auf Anfrage  $Ra > 90$  möglich.

Geeignet für Montage in Decken mit versteckten Tragschienen und Akustikdecken. Umfangreiches Zubehör für Decken von Ecophon und Rockfon, Befestigungssets separat zu ordern.

Lichtstromrückgang auf 80% des Ursprungswertes bei 50000h (L80B10 bei 25°C und max. Medium-Power). 5 Jahre Garantie auf LED-Module und LED-Betriebsgeräte.

Beachten Sie die Übersicht "optionale Ausführungen"

## EN

Recessed mounted LED light line with direct only light distribution. Microprismatic screen or louver for glare-free illumination, optionally opal diffuser for perfect uniform and enhanced light transmission or Wallwasher for asymmetrical light distribution.

Luminaire body made of aluminium-profile, surface matt silver anodized. Custom made seamless light lines in any length and a wide range of additional configurations and designs possible.

LED drivers optionally switched or dimmed (1-10V, DALI, Touch-Dim). Factory-set drivers enable different output levels.

Standard LED colour temperature 3000K and 4000K. On request 2200K, 2700K, 3500K, 5000K, 6500K. MacAdam 3 step binning. Colour rendering  $CRI \geq 80$ ,  $CRI > 90$  on request.

Suitable for installation in ceilings with concealed grids and acoustic ceilings. Extensive accessories-range for Ecophon and Rockfon, mounting brackets to be ordered separately.

90% of initial output after 50000 operating hours (L90B10 at 25°C and max. Medium-Power). 5 year warranty on all LED boards and LED drivers.

Refer to "options" overview

## FR

Ligne de lumière LED encastrée, éclairage direct. Diffuseur micro-prismatique en verre acrylique adapté pour les postes de travail ou grille BAP, en option: diffuseur opale avec une diffusion homogène des points lumineux ou wallwasher avec une diffusion asymétrique.

Corps en aluminium extrudé gris mat. Toutes les longueurs de bande lumineuse continue sont possibles ainsi qu'un grand nombre d'autres configurations (sur mesure).

Convertisseurs LED au choix: commutable ou graduable (1-10V, DALI, Touch-Dim). Programmation en usine offrant différentes options de flux lumineux.

Température de couleur LED standard 3000K ou 4000K. Sur demande: 2200K, 2700K, 3500K, 5000K, 6500K (MacAdam 3). Rendu de couleur  $IRC \geq 80$ , sur demande  $IRC > 90$ .

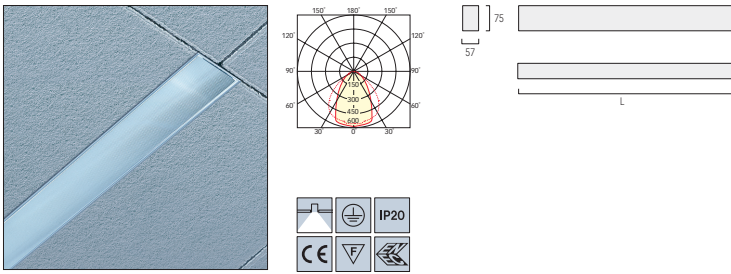
Approprié pour faux plafonds avec rails dissimulés et plafonds acoustiques. Large éventail d'accessoires d'Ecophon et Rockfon, support de fixation à commander séparément.

50 000 heures de fonctionnement avec une utilisation à 80% de la puissance (L80B10 à 25°C et max. Medium-Power). 5 ans de garantie sur tous les modules LED et convertisseurs LED.

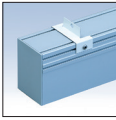
Voir les différentes options



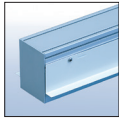
MATRIC-L3 / FOR ACOUSTIC CEILINGS / MICROPRISMATIC



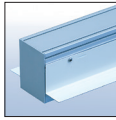
PLEASE ORDER SEPARATELY (SEE PAGE 485) :



LL3-MOC1  
BRACKET FOR  
SUSPENSION



LL3-MOC3  
BRACKET FOR  
ECOPHON FOCUS  
DS CEILING



LL3-MOC4  
BRACKET FOR  
ROCKFON SONAR  
X CEILING

L	LUMEN/WATT	CODE	KG
LED - LOW POWER			
600	1178lm/12W*	LL3AE-##E-L600	1,5
890	1767lm/17W*	LL3AE-##E-L890	1,9
1182	2356lm/21W*	LL3AE-##E-L1182	2,1
1475	2945lm/26W*	LL3AE-##E-L1475	2,5
1765	3534lm/31W*	LL3AE-##E-L1765	3,8
2350	4712lm/40W*	LL3AE-##E-L2350	4,2
2930	5889lm/49W*	LL3AE-##E-L2930	5,0

LED - MEDIUM POWER			
600	1613lm/16W*	LL3AE-##M-L600	1,5
890	2420lm/23W*	LL3AE-##M-L890	1,9
1182	3226lm/30W*	LL3AE-##M-L1182	2,1
1475	4033lm/36W*	LL3AE-##M-L1475	2,5
1765	4840lm/43W*	LL3AE-##M-L1765	3,8
2350	6453lm/57W*	LL3AE-##M-L2350	4,2
2930	8067lm/70W*	LL3AE-##M-L2930	5,0

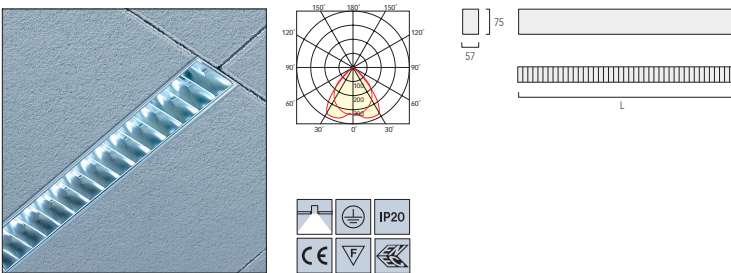
LED - HIGH POWER			
600	2331lm/24W*	LL3AE-##H-L600	1,5
890	3496lm/34W*	LL3AE-##H-L890	1,9
1182	4662lm/45W*	LL3AE-##H-L1182	2,1
1475	5827lm/56W*	LL3AE-##H-L1475	2,5
1765	6993lm/66W*	LL3AE-##H-L1765	3,8
2350	9324lm/87W*	LL3AE-##H-L2350	4,2
2930	11655lm/109W*	LL3AE-##H-L2930	5,0

FLUORESCENT			
878	T5 1x21/39W	LL3AEE-121/39	2,4
1182	T5 1x28/54W	LL3AEE-128/54	3,0
1486	T5 1x35/49/80W	LL3AEE-135/49/80	3,5
1682	T5 2x1x21/39W	LL3AEE-2-121/39	4,1
2290	T5 2x1x28/54W	LL3AEE-2-128/54	5,5
2898	T5 2x1x35/49W	LL3AEE-2-135/49	7,1
3400	T5 3x1x28/54W	LL3AEE-3-128/54	8,6
4310	T5 3x1x35/49W	LL3AEE-3-135/49	10,7

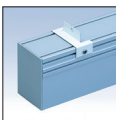
<b>CONTROL</b>	<b>E:</b> NON DIMMABLE, <b>D:</b> DIM 1-10V, <b>L:</b> DIM DALI, <b>H:</b> TOUCH-DIM
<b>LED COLOUR TEMPERATURE ##</b>	<b>830:</b> 3000K, <b>840:</b> 4000K

\*Leuchtenlichtstrom bei 4000K | Luminaire luminous flux at 4000K | Flux de luminaire à 4000K

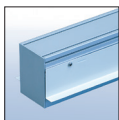
MATRIC-L3 / FOR ACOUSTIC CEILINGS / SATIN LOUVER



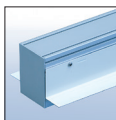
PLEASE ORDER SEPARATELY (SEE PAGE 485) :



LL3-MOC1  
BRACKET FOR  
SUSPENSION



LL3-MOC3  
BRACKET FOR  
ECOPHON FOCUS  
DS CEILING



LL3-MOC4  
BRACKET FOR  
ROCKFON SONAR  
X CEILING

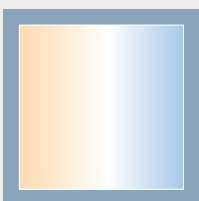
L1	LAMPS	CODE	KG
LED MEDIUM POWER			
890	1654lm/23W*	LL3MEE-##M-L890	2,4
1182	2206lm/30W*	LL3MEE-##M-L1182	2,9
1475	2758lm/36W*	LL3MEE-##M-L1475	3,5
1765	3310lm/43W*	LL3MEE-##M-L1765	4,1
2350	4412lm/57W*	LL3MEE-##M-L2350	5,5
2930	5515lm/70W*	LL3MEE-##M-L2930	7,1

FLUORESCENT			
878	T5 1x21/39W	LL3MEET-121/39	3,9
1182	T5 1x28/54W	LL3MEET-128/54	5,0
1486	T5 1x35/49/80W	LL3MEET-135/49/80	6,4
1754	T5 2x1x21/39W	LL3MEET-2-121/39	7,3
2362	T5 2x1x28/54W	LL3MEET-2-128/54	9,6
2970	T5 2x1x35/49W	LL3MEET-2-135/49	12,6
2970	T5 2x1x80W	LL3MEET-2-180	14,5
3542	T5 3x1x28/54W	LL3MEET-3-128/54	19,2
4454	T5 3x1x35/49W	LL3MEET-3-135/49	10,5
4454	T5 3x1x80W	LL3MEET-3-180	10,5

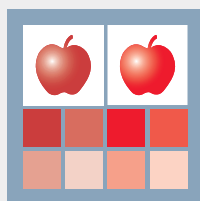
<b>CONTROL</b>	<b>E:</b> NON DIMMABLE, <b>D:</b> DIM 1-10V, <b>L:</b> DIM DALI, <b>H:</b> TOUCH-DIM
<b>LED COLOUR TEMPERATURE ##</b>	<b>830:</b> 3000K, <b>840:</b> 4000K

\*Leuchtenlichtstrom bei 4000K | Luminaire luminous flux at 4000K | Flux de luminaire à 4000K

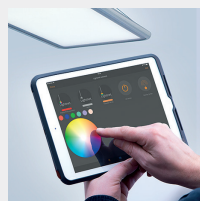
OPTIONAL



ALTERNATIVE COLOUR  
TEMPERATURES:  
2200K/ 3500K/ 6500K



LEDS WITH  
HIGHER CRI  
Ra>90



BLUETOOTH  
MODULE FOR  
WIRELESS CONTROL

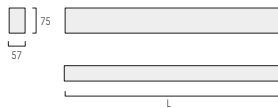
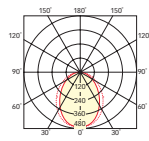


EMERGENCY  
MODULE WITH  
3 HOUR BATTERY

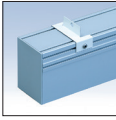


RADAR SENSOR  
FOR HIGH FREQUENCY  
MOTION CONTROL

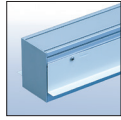
## MATRIC-L3 / FOR ACOUSTIC CEILINGS / OPAL



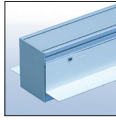
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BRACKET FOR  
SUSPENSION



LL3-MOC3  
BRACKET FOR  
ECOPHON FOCUS  
DS CEILING



LL3-MOC4  
BRACKET FOR  
ROCKFON SONAR  
X CEILING

L	LUMEN/WATT	CODE	KG
LED - LOW POWER			
600	1244lm/12W*	LL30EE-###E-L600	1,5
890	1866lm/17W*	LL30EE-###E-L890	1,9
1182	2488lm/21W*	LL30EE-###E-L1182	2,1
1475	3110lm/26W*	LL30EE-###E-L1475	2,5
1765	3732lm/31W*	LL30EE-###E-L1765	3,8
2350	4976lm/40W*	LL30EE-###E-L2350	4,2
2930	6220lm/49W*	LL30EE-###E-L2930	5,0

LED - MEDIUM POWER			
600	1704lm/16W*	LL30EE-###M-L600	1,5
890	2556lm/23W*	LL30EE-###M-L890	1,9
1182	3408lm/30W*	LL30EE-###M-L1182	2,1
1475	4260lm/36W*	LL30EE-###M-L1475	2,5
1765	5113lm/43W*	LL30EE-###M-L1765	3,8
2350	6817lm/57W*	LL30EE-###M-L2350	4,2
2930	8521lm/70W*	LL30EE-###M-L2930	5,0

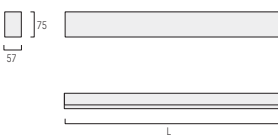
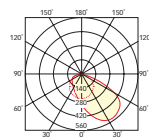
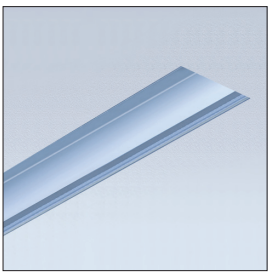
LED - HIGH POWER			
600	2462lm/24W*	LL30EE-###H-L600	1,5
890	3693lm/34W*	LL30EE-###H-L890	1,9
1182	4924lm/45W*	LL30EE-###H-L1182	2,1
1475	6156lm/56W*	LL30EE-###H-L1475	2,5
1765	7387lm/66W*	LL30EE-###H-L1765	3,8
2350	9849lm/87W*	LL30EE-###H-L2350	4,2
2930	12311lm/109W*	LL30EE-###H-L2930	5,0

L	LUMEN/WATT	CODE	KG
FLUORESCENT			
878	T5 1x21/39 W	LL30EET-121/39	2,4
1182	T5 1x28/54 W	LL30EET-128/54	3,0
1486	T5 1x35/49/80 W	LL30EET-135/49/80	3,5
1682	T5 2x1x21/39 W	LL30EET-2-121/39	4,1
2290	T5 2x1x28/54 W	LL30EET-2-128/54	5,5
2898	T5 2x1x35/49 W	LL30EET-2-135/49	7,1
3400	T5 3x1x28/54 W	LL30EET-3-128/54	8,6
4310	T5 3x1x35/49 W	LL30EET-3-135/49	10,7

<b>CONTROL</b>	<b>E:</b> NON DIMMABLE, <b>D:</b> DIM 1-10V, <b>L:</b> DIM DALI, <b>H:</b> TOUCH-DIM
<b>LED COLOUR TEMPERATURE ###</b>	<b>830:</b> 3000K, <b>840:</b> 4000K

\*Leuchtenlichtstrom bei 4000K | Luminaire luminous flux at 4000K | Flux de luminaire à 4000K

## MATRIC-L3 / FOR ACOUSTIC CEILINGS / WALLWASHER

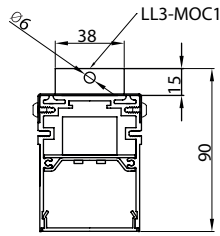
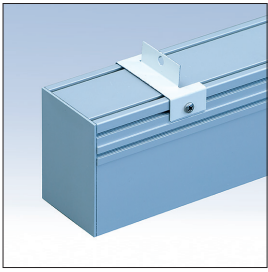


L	LUMEN/WATT	CODE	KG
LED - MEDIUM POWER			
600	773lm/12W*	LL3GEE-###M-L600	2,1
890	1160lm/17W*	LL3GEE-###M-L890	2,6
1182	1550lm/22W*	LL3GEE-###M-L1182	3,0
1475	1932lm/26W*	LL3GEE-###M-L1475	3,7
1765	2320lm/31W*	LL3GEE-###M-L1765	4,5
2350	3100lm/40W*	LL3GEE-###M-L2350	5,3
2930	3865lm/49W*	LL3GEE-###M-L2930	6,4

<b>CONTROL</b>	<b>E:</b> NON DIMMABLE, <b>D:</b> DIM 1-10V, <b>L:</b> DIM DALI, <b>H:</b> TOUCH-DIM
<b>LED COLOUR TEMPERATURE ###</b>	<b>830:</b> 3000K, <b>840:</b> 4000K

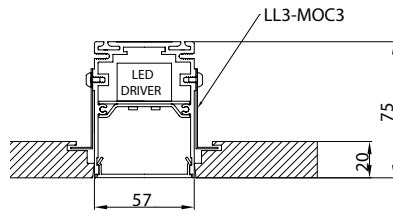
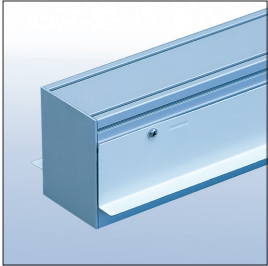
\*Leuchtenlichtstrom bei 4000K | Luminaire luminous flux at 4000K | Flux de luminaire à 4000K

MATRIC-L3 / BRACKET FOR SUSPENSION



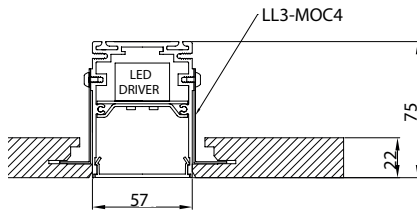
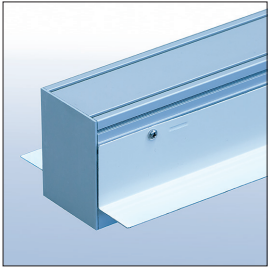
L	CODE	AMOUNT PER LUMINAIRE
600	LL3-MOC1	2
890	LL3-MOC1	2
1182	LL3-MOC1	2
1475	LL3-MOC1	2
1765	LL3-MOC1	2
2350	LL3-MOC1	3
2930	LL3-MOC1	3

MATRIC-L3 / BRACKET FOR ECOPHON FOCUS DS CEILING



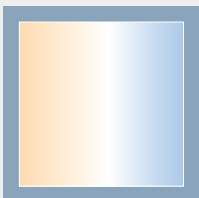
L	CODE
SPECIAL L-BRACKET FOR ECOPHON FOCUS DS CEILING (SET FOR ONE LUMINAIRE)	
600	LL3-MOC3-L600
890	LL3-MOC3-L890
1182	LL3-MOC3-L1182
1475	LL3-MOC3-L1475
1765	LL3-MOC3-L1765
2350	LL3-MOC3-L2350
2930	LL3-MOC3-L2930

MATRIC-L3 / BRACKET FOR ROCKFON SONAR X CEILING

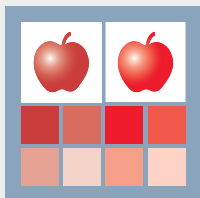


L	CODE
SPECIAL L-BRACKET FOR FOR ROCKFON SONAR X CEILING (SET FOR ONE LUMINAIRE)	
600	LL3-MOC4-L600
890	LL3-MOC4-L890
1182	LL3-MOC4-L1182
1475	LL3-MOC4-L1475
1765	LL3-MOC4-L1765
2350	LL3-MOC4-L2350
2930	LL3-MOC4-L2930

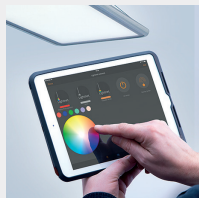
OPTIONAL



ALTERNATIVE COLOUR TEMPERATURES:  
2200K/ 3500K/ 6500K



LEDS WITH HIGHER CRI  
Ra>90



BLUETOOTH MODULE FOR WIRELESS CONTROL



EMERGENCY MODULE WITH 3 HOUR BATTERY



RADAR SENSOR FOR HIGH FREQUENCY MOTION CONTROL